



# Academic Catalog 2021-2022

Your Success is Our Success.





# Welcome to Estrella Mountain Community College, where “Your Success is Our Success.”

As a learning college, EMCC believes learning occurs anyway, anyplace, and anytime. Everything you encounter at the college is by design:

- College buildings are structured to facilitate learning.
- Faculty utilize active learning strategies to foster critical thinking.
- Support services are free to ensure students are successful.
- Events and activities are hosted on campus to cultivate learning connections.

EMCC employees truly want students to be successful in both their education and their lives. With opportunities embedded everywhere, students can ensure they are successful by:

## 1. Identifying a goal.

Who do you want to become? What do you eventually want to do? Find your path using the many resources EMCC has to offer, free of charge.

## 2. Putting your plan into action.

Attend college events and engage with campus resources to advance your success: tutoring, Engage Estrella Mentoring Program, academic advising, Honors Program, Career and Transfer Center, student organizations and clubs, the Student Research Conference, and the Student Success Fair are just a few recommendations.

By becoming an active participant in your learning journey, you are able to pursue positive and enriching opportunities that can change your life.



**Rey Rivera, Ed.D.**  
President



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# **Estrella Mountain Community College**

## **Academic Catalog Archive**

### **2021-2022**

*Published on 8/18/2021*

This document is an archival record of the EMCC Academic Catalog for the 2021-2022 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and college offices for data collection, evaluation purposes and referencing.

Information herein is subject to change throughout the catalog year. Current information, including courses, programs, policies, calendars, and class schedules can be found on our online catalog page:

**EMCC Academic Catalog**

<https://www.estrellamountain.edu/catalog>

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# Vision, Mission, and Values

## VISION

We provide exceptional and creative learning experiences that prepare all learners to achieve their dreams and transform their lives.

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## MISSION

Estrella Mountain is an innovative higher learning organization responding to the diverse needs of West Valley communities. Learners have an opportunity to successfully accomplish their educational and personal goals through the following college purposes:

- Developmental Education
- General Education
- Transfer Education
- Learner Support Services
- Workforce Development
- Community Education
- Civic Responsibility
- Global Engagement

## Purposes

### **Developmental Education**

Building the academic foundation and providing learning support to prepare learners for collegiate success.

### **General Education**

Expanding educational experiences for all learners while fostering core academic abilities.

### **Transfer Education**

Offering transfer courses and programs that enable learners to achieve success at their institution of choice.

### **Learner Support Services**

Supporting learners through exceptional educational services, programs and guidance.

### **Workforce Development**

Responding to the community's dynamic workforce needs by establishing partnerships and creating relevant programs of study, training and services.

### **Community Education**

Providing learning experiences that enhance the knowledge, skills and abilities of life-long learners.

### **Civic Responsibility**

Creating opportunities and partnerships that provide a framework for learners to act responsibly in society.

## **Global Engagement**

Engaging learners in the discovery, contribution and creation of local solutions in response to global issues.

Our Service Strategy reminds us that  
*Your Success is Our Success*

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# VALUES

We value learning and engagement through:

## **Integrity**

- Being accountable to fulfill goals, objectives and responsibilities.
- Being truthful, respectful, sincere, and responsible in your interactions with others.

## **Diversity**

- Considering the contributions and worldviews of others.
- Promoting an inclusive campus culture that supports social awareness.
- Committing to comprehensive inter-cultural learning and awareness.

## **Collaboration**

- Growing partnerships and building relationships that enhance the learning environment.
- Practicing communication methods that engage all learners.

## **Innovation**

- Committing to the continued exploration and development of successful learning practices.
- Encouraging creativity and professional exploration within our community of learners.

## **Sustainability**

- Understanding how our actions impact the local and global community.
- Reducing negative effects on the environment through proactive and sustainable practices.
- Applying practices that encourage environmental, economic and social responsibility.

# Accreditation

Estrella Mountain Community College is accredited by the Higher Learning Commission and a member of the North Central Association.

## **The Higher Learning Commission**

230 North La Salle Street  
Suite 7-500  
Chicago, IL  
60604

800 621 7440

[info@hlcommission.org](mailto:info@hlcommission.org)

Some of Estrella Mountain's programs are also accredited and/or approved by the agencies listed below:

- Accreditation Commission for Education in Nursing  
3343 Peachtree Road NE, Suite 850  
Atlanta, Georgia 30326  
Phone: (404) 975-5000  
Fax: (404) 975-5020  
Email: [info@acenursing.org](mailto:info@acenursing.org)  
Web: [www.acenursing.org](http://www.acenursing.org)
- AZ Board of Nursing (AZBN)  
AZBN, 4747 North 7th Street - Suite 200, Phoenix, AZ 85014  
(602) 771-7800  
<http://www.azbn.gov>

**MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT  
2021-2022 ACADEMIC CALENDAR**

*Dates are subject to change\**

*The most up to date calendar information can be found at*

<https://district.maricopa.edu/regulations/admin-regs/section-2/academic-calendars>

Colleges may modify start dates in order to meet special needs. Dates listed below which are directly related to instruction refer to the traditional academic year model. Some courses may be offered over time-periods for which these dates are not applicable. **Links to ASU, GCU, NAU, and U of A calendars incorporated on last page for reference only and are subject to change without notice.**

**SUMMER SEMESTER – 2021      Note: Subject to the 2021-2022 Catalog**

|         |          |   |
|---------|----------|---|
| Mon     | Apr 26   | Tuition Due for Summer 2021 Semester      |
| Mon     | May 31   | <b>Observance of Memorial Day</b>         |
| Tues    | Jun 1    | Summer Semester Begins                    |
| Mon-Sat | Jul 5-10 | Summer Break for Clock Hour Programs Only |
| Mon     | Jul 5    | Observance of Independence Day            |
| Mon     | Aug 2    | Tuition Due for Fall 2021 Semester        |
| Thu     | Aug 5    | Summer Semester Ends                      |

**FALL SEMESTER – 2021**

|           |              |   |
|-----------|--------------|---|
| Fri       | Aug 13       | First Day of Faculty Accountability                               |
| Sat       | Aug 21       | Classes Begin   |
| Mon       | Sep 6        | <b>Observance of Labor Day</b>                                    |
| Mon       | Sep 20       | Find a Class Opens for Spring                                     |
| Mon       | Oct 4        | Spring 2022 Priority Registration for Currently Enrolled Students |
| Sat+      | Oct 9        | Last Day for Withdrawal without Instructor's Signature            |
| Mon++     | Oct 11       | Student Withdrawal with Instructor's Signature Begins             |
| Mon       | Oct 11       | Spring 2022 Open Registration Begins                              |
| *         |              | Application for December 2021 Graduation                          |
| Thu       | Nov 11       | Observance of Veterans Day  |
| Thu-Sun   | Nov 25-28    | <b>Thanksgiving Holiday (Campus Closed)</b>                       |
| Mon       | Dec 6        | Tuition Due for Spring 2022 Semester                              |
| Sun       | Dec 12       | Last Day of Classes   |
| Mon-Thu** | Dec 13-16    | Final Exams   |
| Fri       | Dec 17       | Mid-Year Recess Begins for Students                               |
| Fri       | Dec 17       | Fall Semester Ends (Last day of Faculty Accountability)           |
| Thur-Sun  | Dec 23-Jan 2 | Mid-Year Recess (Campus Closed)                                   |

**SPRING SEMESTER – 2022**

|           |           |  |
|-----------|-----------|--|
| Mon       | Jan 3     | Employees Return   |
| Mon       | Jan 10    | First day of Faculty Accountability                                    |
| Wed       | Jan 12    | Clock Hour Student Classes Begin                                       |
| Sat       | Jan 15    | Classes Begin  |
| Mon       | Jan 17    | <b>Observance of Martin Luther King, Jr. Day</b>                       |
| Mon       | Feb 21    | <b>Observance of Presidents' Day</b>                                   |
| Tue       | Feb 22    | Find a Class Opens for Summer/Fall 2022                                |
| Sat+      | Mar 5     | Last Day for Withdrawal without Instructor's Signature                 |
| Mon++     | Mar 7     | Student Withdrawal with Instructor's Signature Begins                  |
| Mon       | Mar 7     | Summer/Fall 2022 Priority Registration for Currently Enrolled Students |
| *         |           | Application for May 2022 Graduation                                    |
| Mon-Sun   | Mar 14-20 | <b>Spring Break</b>  |
| Mon       | Mar 21    | Summer/Fall 2022 Open Registration Begins                              |
| Mon       | May 2     | Tuition Due for Summer 2022 Semester                                   |
| Sun       | May 8     | Last Day of Classes  |
| Mon-Thu** | May 9-12  | Final Exams  |
| Fri       | May 13    | Commencement   |
| Fri       | May 13    | Spring Semester Ends (Last day of Faculty Accountability)              |
| Mon       | May 30    | <b>Observance of Memorial Day</b>                                      |

**SUMMER SEMESTER – 2022      Note: Subject to the 2022-2023 Catalog**

|         |         |   |
|---------|---------|---|
| Tues    | May 31  | Summer Semester Begins                    |
| Mon     | Jul 4   | <b>Observance of Independence Day</b>     |
| Mon-Sat | Jul 4-9 | Summer Break for Clock Hour Programs Only |
| Mon     | Aug 1   | Tuition Due for Fall 2022 Semester        |
| Thu     | Aug 4   | Summer Semester Ends                      |

\* For specific information concerning the last day to apply for graduation, individual class start dates, and final exams, consult the college of enrollment.



\*\* Any classes meeting on Friday, Saturday or Sunday will have final examinations during their regular class time.  
 + Through the 7th week, student may initiate an official withdrawal from course(s) without instructor signature (see Appendix S-7 in [Catalog Common Pages](#)).  
 ++ After the 7th week, student must initiate an official withdrawal request from instructor and obtain their signature (see Appendix S-7 in [Catalog Common Pages](#)).

**FALL SEMESTER – 2021**

**Note: Subject to the 2021-2022 Catalog**

|   | S  | M  | T  | W  | TH | F  | S  |
|---|----|----|----|----|----|----|----|
| J |    |    |    |    | 1  | 2  | 3  |
| U | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| L | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|   | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|   | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| A | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| U | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| G | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|   | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| S | 29 | 30 | 31 | 1  | 2  | 3  | 4  |
| E | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
| P | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|   | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| O | 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| C | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| T | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|   | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|   | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| N | 31 | 1  | 2  | 3  | 4  | 5  | 6  |
| O | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| V | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|   | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| D | 28 | 29 | 30 | 1  | 2  | 3  | 4  |
| E | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
| C | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|   | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|   | 26 | 27 | 28 | 29 | 30 | 31 |    |

**Jul 5 Observance of Independence Day**  
 Jul 5-10 Summer Break for Clock Hour Programs

Aug 2 Tuition Due for Fall Semester  
 Aug 5 Summer Semester Ends  
 Aug 13 One (1) Day of Faculty Accountability  
 Aug 16-20 Five (5) Days of Faculty Accountability  
 Aug 21 Classes Begin

**Sep 6 Observance of Labor Day**

Oct 4 - 45<sup>th</sup> Day

**Nov 11 Observance of Veterans Day**

**Nov 25-28 Thanksgiving Day Recess (Campus Closed)**

Dec 6 Tuition Due for Spring Semester  
 Dec 12 Last Day of Classes  
 Dec 13-16 Final Exams\*\*  
 Dec 17 Mid-Year Recess Begins for Students  
 Dec 17 Fall Semester Ends (Last day of Faculty Accountability)  
**Dec 23 - Jan 2 Mid-Year Recess (Campus Closed)**

**SPRING SEMESTER – 2022**

**Note: Subject to the 2021-2022 Catalog**

|   | S  | M  | T  | W  | TH | F  | S  |
|---|----|----|----|----|----|----|----|
| J |    |    |    |    |    |    | 1  |
| A | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| N | 9  | 10 | 11 | 12 | 13 | 14 | 15 |
|   | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|   | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|   | 30 | 31 | 1  | 2  | 3  | 4  | 5  |
| F | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| E | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| B | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|   | 27 | 28 |    |    |    |    |    |
| M |    |    | 1  | 2  | 3  | 4  | 5  |
| A | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| R | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|   | 27 | 28 | 29 | 30 | 31 | 1  | 2  |
| A | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| P | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| R | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|   | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| M | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| A | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| Y | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|   | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|   | 29 | 30 | 31 | 1  | 2  | 3  | 4  |

Jan 3 Employees Return  
 Jan 10-14 Five (5) Days of Faculty Accountability  
 Jan 12 Clock Hour Student Classes Begin  
 Jan 15 Classes Begin  
**Jan 17 Observance of Martin Luther King Jr. Day**

**Feb 21 Observance of Presidents' Day**  
 Feb 28 - 45<sup>th</sup> Day

**Mar 14-20 Spring Break for Students and Faculty**  
**Mar 17-20 Spring Break for Employees (Campus Closed)**

May 2 Tuition Due for Summer Semester  
 May 8 Last Day of Classes  
 May 9-12 Final Exams\*\*  
 May 13 Commencement  
 May 13 Spring Semester Ends (Last day of Faculty Accountability)  
**May 30 Observance of Memorial Day**  
 May 31 Summer Semester Begins

\* For specific information concerning the last day to apply for graduation, individual class start dates, and final exams, consult the college of enrollment.  
 \*\* Any classes meeting on Friday, Saturday or Sunday will have final examinations during their regular class time.

- + Through the 7th week, student may initiate an official withdrawal from course(s) without instructor signature (see Appendix S-7 in [Catalog Common Pages](#)).
- ++ After the 7th week, student must initiate an official withdrawal request from instructor and obtain their signature (see Appendix S-7 in [Catalog Common Pages](#)).

**SUMMER SEMESTER – 2022**

**Note: Subject to the 2022-2023 Catalog**

|   | <u>S</u> | <u>M</u> | <u>T</u> | <u>W</u> | <u>TH</u> | <u>F</u> | <u>S</u> |
|---|----------|----------|----------|----------|-----------|----------|----------|
| J | 5        | 6        | 7        | 8        | 9         | 10       | 11       |
| U | 12       | 13       | 14       | 15       | 16        | 17       | 18       |
| N | 19       | 20       | 21       | 22       | 23        | 24       | 25       |
|   | 26       | 27       | 28       | 29       | 30        | 1        | 2        |
| J | 3        | 4        | 5        | 6        | 7         | 8        | 9        |
| U | 10       | 11       | 12       | 13       | 14        | 15       | 16       |
| L | 17       | 18       | 19       | 20       | 21        | 22       | 23       |
|   | 24       | 25       | 26       | 27       | 28        | 29       | 30       |
| A | 31       | 1        | 2        | 3        | 4         | 5        | 6        |
| U | 7        | 8        | 9        | 10       | 11        | 12       | 13       |
| G | 14       | 15       | 16       | 17       | 18        | 19       | 20       |
|   | 21       | 22       | 23       | 24       | 25        | 26       | 27       |
|   | 28       | 29       | 30       | 31       |           |          |          |

**Jul 4 Observance of Independence Day**

Jul 4-9 Summer Break for Clock Hour Programs

Aug 1 Tuition Due for Fall Semester

Aug 4 Summer Semester Ends

Aug 12 One (1) Day of Faculty Accountability

Aug 15-19 Five (5) Days of Faculty Accountability

Aug 20 Classes Begin

**Instructional Days**

| Fall        | Spring         |
|-------------|----------------|
| 15 M        | 13 M           |
| 16 T        | 15 T           |
| 16 W        | 15 W           |
| 14 TH       | 15 TH          |
| <u>15 F</u> | <u>15 F</u>    |
| 76          | 73 = 149 Total |

**Proposed Class Start Dates**

|             | <u>MCCCD</u> | <u>ASU</u>    |
|-------------|--------------|---------------|
| Fall 2021   | Sat., Aug 21 | Thur., Aug 19 |
| Spring 2022 | Sat., Jan 15 | Mon., Jan 10  |

**Calendar for less than 12-month regular employees**

|                     |                               |
|---------------------|-------------------------------|
| 9 month employees   | August 16, 2021– May 13, 2022 |
| 9.5 month employees | August 9, 2021 – May 20, 2022 |
| 10 month employees  | August 2, 2021– May 27, 2022  |

Tuition Due for Fall 2021 Semester

\* For specific information concerning the last day to apply for graduation, individual class start dates, and final exams, consult the college of enrollment.  
 \*\* Any classes meeting on Friday, Saturday or Sunday will have final examinations during their regular class time.



# Explore Our 10 Colleges

Maricopa Community Colleges' nationally recognized programs help more than 200,000 students each year achieve their goals. Our 10 accredited colleges offer a diverse range of programs at convenient locations across the Valley, but our goal is the same – your success.

[Chandler-Gilbert](#)

[Estrella Mountain](#)

[GateWay](#)

[Glendale](#)

[Mesa](#)



[Paradise Valley](#)

[Phoenix College](#)

[Rio Salado](#)

[Scottsdale](#)

[South Mountain](#)

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## Our Campus Locations

With 10 colleges, no matter where you live or work in the county, there's a Maricopa Community Colleges campus near you. Below are the main campuses for each college.

# EMCC Foundational Courses

All foundational courses at EMCC are targeted to enhance student skills in English, English as a Second Language (ESL), Mathematics, and Reading. A strong emphasis is placed on instruction with individual support, small classes, caring faculty, and creative learning experiences. Instruction is enriched through technology, interaction with other learners, and tutoring services provided by the Academic Success Center. Many course options are available to help support students as they prepare for or take college-level courses in a manner appropriate for their learning style. These include options such as fast-track, hybrid, online, and corequisite enrollment.

Students are advised for these courses through various placement options. Required courses must be successfully completed before advancing to the next level.

The focus of all the courses at the foundational level is to build confidence and competence in students so that they can successfully progress to and complete college-level courses. These courses form an educational foundation for successful engagement in the college's transfer, degree, and training/career programs.

## **English**

|            |  |   |
|------------|--|---|
| ALT100     | Academic Literacy Through Integrated Reading and Writing | 4 |
| +ENG 101LL | First Year Composition Lab                               | 1 |

## **English as a Second Language**

### ***Level I***

|         |  |   |
|---------|--|---|
| +ESL010 | English as a Second Language I: Grammar                | 3 |
| +ESL011 | English as a Second Language I: Listening and Speaking | 3 |
| +ESL012 | ESL I-Writing with Oral Practice                       | 3 |
| +ESL016 | Reading English as a Second Language I                 | 3 |

### ***Level II***

|         |   |   |
|---------|---|---|
| +ESL020 | English as a Second Language II: Grammar                | 3 |
| +ESL021 | English as a Second Language II: Listening and Speaking | 3 |
| +ESL022 | ESL II-Writing with Oral Practice                       | 3 |
| +ESL026 | Reading English as a Second Language II                 | 3 |

**Level III**

|         |  |   |
|---------|--|---|
| +ESL030 | English as a Second Language III: Grammar                | 3 |
| +ESL031 | English as a Second Language III: Listening and Speaking | 3 |
| +ESL032 | ESL III-Writing with Oral Practice                       | 3 |
| +ESL036 | Reading English as a Second Language III                 | 3 |

**Level IV**

|         |   |   |
|---------|---|---|
| +ESL040 | English as a Second Language IV: Grammar                | 3 |
| +ESL041 | English as a Second Language IV: Listening and Speaking | 3 |
| +ESL042 | ESL IV-Writing with Oral Practice                       | 3 |
| +ESL046 | Reading English as a Second Language IV                 | 3 |

**Level V**

|         |                        |   |
|---------|------------------------|---|
| +ESL050 | Review Grammar for ESL | 3 |
|---------|------------------------|---|

**Recommended Courses**

|         |   |   |
|---------|---|---|
| +ESL049 | General Vocational English as a Second Language                     | 3 |
| +ESL051 | Pronunciation Improvement for ESL Speakers                          | 3 |
| +ESL061 | Informal Conversational and Written English for Non-native Speakers | 3 |

**Reading**

|         |  |   |
|---------|--|---|
| ALT100  | Academic Literacy Through Integrated Reading and Writing | 4 |
| +RDG100 | Successful College Reading                               | 3 |

**Math**

|        |                          |   |
|--------|--------------------------|---|
| MAT103 | College Mathematics Prep | 3 |
| MAT114 | College Algebra Prep     | 4 |

*+ indicates that a course has a prerequisite and/or corequisites*

# EMCC General Education Statement

At Estrella Mountain, students experience a collaborative and stimulating environment which stresses a solid foundation of general education. Each facet of the Estrella Mountain experience is designed to provide students with the necessary information, knowledge, abilities, intellectual concepts, and perspectives they need to achieve their academic and personal goals.

Estrella Mountain's curricular patterns enhance critical thinking and communication skills. They reflect an emphasis on the study of composition, literacy and critical inquiry, numeracy, humanities, fine and performing arts, the social and behavioral sciences, the natural sciences, as well as cultural diversity, global engagement, civic responsibility, and historical awareness.

Recognizing the importance of breadth and depth of knowledge, the ability to apply that knowledge, and a view of learning as a lifetime activity, faculty and staff are committed to providing all students with an engaging learning environment in which everyone experiences growth.



**Maricopa County Community College District (MCCCD)**  
**2021-2022 General Academic Policies for Associate Degrees Designed for University Transfer**

**The following academic policies govern the associate degrees designed for university transfer:** Associate in Arts (AA); Associate in Arts, Elementary Education (AAEE); Associate in Arts, Fine Arts (AAFA); Associate in Business-General Requirements (ABUS-GR); Associate in Business-Special Requirements (ABUS-SR); and Associate in Science (AS). *Note that academic policies that govern the Associate in General Studies (AGS) and Associate in Applied Science (AAS) degrees are listed separately, with the requirements for each of those degrees.*

- The graduation policies within the general catalog must be satisfied (administrative regulation 2.3.9).
- Minimum semester credits for completion vary slightly by degree and specific emphasis (when applicable). Refer to the Program (Degree) Search at <https://curriculum.maricopa.edu/> for credit minimums for individual degree programs.
- Credits completed toward these minimums must be in courses numbered 100 or above with a grade of “C” or better. These credits must include a minimum of 35\* in satisfaction of the requirements of the Arizona General Education Curriculum (AGEC) along with a maximum of 6 credits towards MCCCD’s Additional Requirements.
- Detailed degree requirements are maintained by the Center for Curriculum and Transfer Articulation (CCTA); refer to the program search at <https://curriculum.maricopa.edu/>.

**General Education Requirements:**

- The AGEC requirements include a designated number of courses approved for each of the following areas:
  - First Year Composition [FYC]
  - Mathematical Applications [MA]
  - Computer/Statistics/Quantitative Applications [CS] (not required for Associate in Science)
  - Literacy and Critical Inquiry [L]
  - Humanities, Arts and Design [HU]
  - Social-Behavioral Sciences [SB]
  - Natural Sciences: Science Quantitative [SQ], Science General [SG]
  - Awareness Area: Cultural Diversity in the U.S. [C]
  - Awareness Area: Global [G] or Historical [H] Awareness
- Note that there are three different AGECS each aligning with a different subset of associate Degrees--AGEC-A for the AA, AAEE, and AAFA degrees, AGEC-B for the ABUS-GR and ABUS-SR degrees, and AGEC-S for the AS degree. For some types of AGECS/Associate degrees, students are allowed to choose from a broad list of courses; for others the courses are more restricted or even specified.
- A single course can simultaneously count toward one or more Awareness Areas, other AGEC requirements, MCCCD Additional Requirements and, for some degree types, other lower division courses used to meet the degree requirements. For example, CRE101 may be used to satisfy both the MCCCD Reading Requirement and the Literacy and Critical Inquiry area [L] of the AGEC core. While multiple requirements can be met with a single course, the credits are only counted one time toward the required minimum for the degree.
- Except for the Associate in Science (AS) degree, a single course cannot be used to satisfy more than one AGEC requirement, with the exception of Awareness Areas. For example, a course cannot be used to satisfy [HU] and [SB], but a course can be used to meet [HU] and [C],[G] and/or [H].
- The AGEC-A and AGEC-B require a minimum of 35 credits\* and the AGEC-S requires a minimum of 36 credits\*, however, the AGEC credit count within the total credits for a degree may be under these minimums if courses are also applied toward Required Courses or Restricted Electives and the credits are counted in those areas. Awareness Areas and MCCCD’s Additional Requirements may also be shared with AGEC Core Areas. Optimizing credits in this way is often recommended because some programs and universities limit transferable credits at 64.
- All MCCCD courses applied to the AGEC must be completed with a grade of “C” or better.

- All MCCCDC courses applied to the AGECE must be accepted for transfer credit as a direct equivalent, departmental elective, or general elective credit at ASU, NAU, and UAZ according to the Course Equivalency Guide for the academic year in which the course was taken. Courses applied exclusively to the Bachelor of Applied Science are ineligible for inclusion in the AGECE.

#### **Coursework beyond General Education:**

- For some degree types, the additional coursework required to complete the degree is specified while others offer the student more latitude. See degree checksheets for more complete description. Consultation with an academic advisor about course selection is always recommended.
- Oral Communication and Critical Reading are MCCCDC Additional Requirements required for Associate in Arts, Associate in Arts, Elementary Education, Associate in Arts, Fine Arts and Associate in Science degrees. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for acceptable options to meet these requirements for individual degree programs.
- Within the Restricted Electives, course recommendations are made for specific transfer institutions. Students should select a transfer plan (group of courses) based on their intended transfer institution. However, not all transfer institutions are reflected in these recommendations. Therefore, students may instead meet the minimum number of Restricted Elective credits using a combination of courses from the transfer plans listed. Restricted Electives should be selected in consultation with an academic, faculty, or program advisor.
- Note that some majors require up to a 4th semester proficiency (202-course level) in a non-English language. Students should consult with an academic advisor to discuss options to complete these requirements.
- General Electives may need to be selected to meet the minimum total credits required for the degree. Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives, (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer advisement information is accessible on the following websites: [aztransfer.com](http://aztransfer.com), [curriculum.maricopa.edu](http://curriculum.maricopa.edu), as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.
- Any course cross-referenced under another prefix(es) (for example ENH291/EDU291-Children's Literature) covers identical content and its credits can only be counted once toward requirements.

#### **Transfer Credit from Institutions Outside of MCCCDC:**

- Credits transferred from outside of MCCCDC must be at a grade of "C" (2.0 on a 4.0 scale) or better. Transfer credit graded pass/fail or pass/no credit may be used to satisfy AGECE requirements if documentation collected by the community college indicates that this was the only grading option available and that the Pass grade ("P") is equivalent to a "C" or better.
- External courses evaluated either as equivalent to an MCCCDC course or as elective credit may be applied toward the minimum credits for degree completion.
- The AGECE (Arizona General Education Curriculum) designations of courses completed at other Arizona public colleges or universities will be applied as listed on AZTransfer's Course Equivalency Guide (CEG) for the semester(s) in which the course(s) were completed. If a transcript evaluation determines there is no MCCCDC direct equivalency to a course from another Arizona public college or university, applicability to AGECE and/or associate degree requirements will be based on the source institution's AGECE designation for the semester in which the course was completed.
- Courses from private, out-of-state, and/or online institutions (i.e., outside of the Arizona Transfer System comprised of Arizona's public community colleges, tribal colleges and universities) will be applied toward AGECE and/or associate degree requirements based on the courses' evaluated MCCCDC equivalence. If courses are not directly equivalent, the credit may be articulated as a departmental elective, and if deemed appropriate, may have a general education designation applied to the course.

- Credit awarded at a Maricopa Community College through prior learning assessment is transferable to the other colleges in the district but is not necessarily transferable to other colleges and universities. No more than 20 such assessed semester credit hours may be applied toward AGECE, and no more than 30 credits (including up to 20 toward AGECE) may be applied toward a degree.

#### **Completion and Transfer:**

- Completion of the AGECE with a minimum Grade Point Average of at least 2.0 on a 4.0 scale for Arizona residents and 2.50 for non-residents meets Arizona public university general admission requirements. It does not ensure admission to specific university majors or programs with selective admission processes and/or limited enrollment.
- While MCCCDC's associate degrees are designed to facilitate a seamless transfer to other Arizona institutions, courses may be transferable and/or meet associate degree requirements, but may not necessarily meet the specific requirements of a particular degree, major, or area of emphasis at another institution.

Students planning to transfer to another college or university are urged to refer to university requirements and academic advisors from both institutions to be certain that all their selected coursework is applicable to the requirements of their intended transfer degree and within their allowed transferable credit limit. For some majors, the statewide Common Course matrix and AZTransfer Major Guides at [aztransfer.com](http://aztransfer.com) and/or university transfer guides can also provide some guidance. For appropriate course selection, students should consult with an academic advisor.

\*Credit minimums may be lower if students have transfer credit from ASU, NAU or UAZ for a single course that meets First Year Composition in full. See notes on individual degree policies.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Arts (AA) Degree**

**Description**

The Maricopa County Community College District Associate in Arts (AA) degree requires a minimum of 60 semester credits for the program of study; minimum total credits vary by specific emphasis (for example, Associate in Arts, Emphasis in Psychology). Refer to the Program (Degree) Search at <https://curriculum.maricopa.edu/> for credit minimums for individual degree programs by emphasis. A minimum grade point average of 2.0 and grades of “C” or higher are required to earn the degree. The AA degree is governed by the [MCCCD General Academic Policies for Associate Degrees Designed for University Transfer](#).

The Associate in Arts degree includes the following components:

- I. Program Prerequisites (if applicable, for versions with an emphasis only)
- II. Required Courses (for versions with an emphasis only)
- III. Restricted Electives (for versions with an emphasis only)
- IV. Arizona General Education Curriculum for Arts (AGEC-A)
- V. MCCCD Additional Requirements (Oral Communication and Critical Reading)
- VI. General Electives (if needed to reach minimum credits for degree)

**Purpose of the Degree**

The Associate in Arts (AA) degree is designed for students planning to transfer to four-year colleges and universities. In general, the components of the degree meet requirements for majors in the Liberal Arts or programs of study other than business or science. Generally, the degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

In most cases, courses used to satisfy the MCCCD Associate in Arts (AA) will apply to general university graduation requirements of the majors that align with the AA degree; however, students need to be aware of any specific requirements of their intended major at the university to be sure they select courses that will meet them. Information regarding the articulation of the AA with majors at the Arizona public universities can be accessed via the following website: [www.aztransfer.com](http://www.aztransfer.com)

**Degree Requirements**

The requirements for the Associate in Arts (AA) follow. No versions of the Associate in Arts require fewer than a minimum of 60 credits; however, minimum credits for the AA vary by specific emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for credit minimums by emphasis. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: [AGEC-A](#) and the [AGEC matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the “Find a Class” tool on [maricopa.edu](http://maricopa.edu) and on each MCCCD college’s website.

**Requirements**

**Credits**

|  |                      |
|--|----------------------|
| <b>I. Program Prerequisites.....</b>   | <b>Number varies</b> |
| Program prerequisites for the Associate in Arts degree vary by specific emphasis, and are not required for the version of the degree without a specific emphasis. Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis. |                      |

|  |                      |
|--|----------------------|
| <b>II. Required Courses</b> .....  | <b>Number varies</b> |
| Required (major-specific) courses for the Associate in Arts degree vary by specific emphasis, and are not required for the version of the degree without a specific emphasis. Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis.   |                      |
| <b>III. Restricted Electives</b> .....   | <b>Number varies</b> |
| Restricted electives for the Associate in Arts degree vary by specific emphasis, and are not required for version of the degree without a specific emphasis. Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis.  |                      |
| <b>IV. Arizona General Education Curriculum--Arts (AGEC-A)</b> .....   | <b>up to 44</b>      |
| The AGECE-A requires a minimum of 35 credits (32 if FYC is met by single transfer course)*, however, prerequisite/required/restricted elective courses may also meet AGECE-A requirements and credits count once toward the total for the degree. Therefore, the AGECE-A may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)* as long as all requirements listed in this section (IV) are completed.   |                      |
| Courses applied to meet AGECE-A requirements vary by emphasis. Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well other AGECE requirements, Required Course(s) or Restricted Elective(s). AGECE designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See <a href="#">AGECE matrix</a> for each course's value(s) in the semester it is taken. |                      |
| A. First-Year Composition [FYC].....   | <b>6*</b>            |
| ENG101 OR ENG107.....  | <b>(3)*</b>          |
| AND ENG102 OR ENG108.....  | <b>(3)*</b>          |
| B. Literacy and Critical Inquiry [L].....  | <b>3</b>             |
| C. Mathematical Applications [MA].....   | <b>3-6</b>           |
| Requires a course in college mathematics (MAT140, MAT141, MAT142, MAT145, MAT146) or college algebra (MAT150, MAT151, MAT152, MAT155, MAT156) or pre calculus (MAT187) or higher [MA]-approved general education course.   |                      |
| D. Computer/Statistics/Quantitative Applications [CS].....   | <b>3</b>             |
| E. Humanities, Arts and Design [HU].....   | <b>6</b>             |
| Students are encouraged to choose course work from more than one discipline.   |                      |
| F. Social-Behavioral Sciences [SB].....  | <b>6</b>             |
| Students are encouraged to choose course work from more than one discipline.   |                      |
| G. Natural Sciences [SQ/SG].....   | <b>8</b>             |
| The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement.   |                      |
| H. Awareness Areas.....  | <b>0-6</b>           |
| Courses may be used to satisfy other AGECE requirements and one or more Awareness Area(s). (See <a href="#">AGECE matrix</a> for current course values.)   |                      |
| 1. Cultural Diversity in the United States [C].....  | <b>(0-3)</b>         |
| 2. Global Awareness [G] OR Historical Awareness [H].....   | <b>(0-3)</b>         |
| <b>V. MCCC Additional Requirements</b> .....   | <b>0-6</b>           |
| As noted below, courses in this area may also be applied toward AGECE-A requirements.  |                      |

- A. Oral Communication ..... (0-3)
  - COM100 [SB] Introduction to Human Communication OR
  - COM110 [SB] Interpersonal Communication OR
  - COM225 [L] Public Speaking OR
  - COM230 [SB] Small Group Communication (3 credits) OR
  - COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
  - COM110AA & COM110AB & COM110AC [SB] (3 credits)
- B. Critical Reading..... (0-3)
  - CRE101 [L] Critical Reading OR equivalent as indicated by assessment

**VI. General Electives..... 0-28**

Select courses 100-level or higher if needed to complete a minimum of 60 semester credits but no more than a total of 64 semester credits, which is the maximum number of credits accepted toward most degree programs at Arizona’s public universities. Ideally, students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations, and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer and major guides are accessible on the following websites: [aztransfer.com](http://aztransfer.com), <https://www.maricopa.edu/degrees-certificates/transfer/pathways-partners>, as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.

**TOTAL..... 60-64\*\***

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*64 semester credits is the maximum accepted toward most degree programs at Arizona’s public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Arts, Elementary Education (AAEE) Degree**

**Description**

The Maricopa County Community College District Associate in Arts, Elementary Education (AAEE) degree requires a minimum of 60 semester credits for the program of study. A minimum grade point average of 2.0 and grades of “C” or higher are required to earn the degree. The AAEE degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

The Associate in Arts, Elementary Education degree includes the following components:

- I. Required Courses
- II. Restricted Electives
- III. Arizona General Education Curriculum for Arts (AGEC-A)
- IV. MCCCD Additional Requirements (Oral Communication and Critical Reading)

**Purpose of the Degree**

The Associate in Arts, Elementary Education (AAEE) degree is designed for the student who plans to transfer to an Elementary Education, Early Childhood, Multicultural/Multilingual, or Special Education program at an Arizona public higher education institution and/or who plans to become a classroom instructional aide. Generally, the degree transfers as a block without loss of credit to Arizona's public universities, and in most cases, its required courses apply to graduation requirements for these Education majors.

**Degree Requirements**

The requirements for the Associate in Arts in Elementary Education follow. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: AGEC-A and the AGEC matrix. Courses available for both Areas during a current or upcoming semester can also be found using the “Find a Class” tool on maricopa.edu and on each MCCCD college’s website.

| <u><b>Requirements</b></u>   | <u><b>Credits</b></u> |
|--|-----------------------|
| <b>I. Required Courses</b> .....   | <b>17</b>             |
| EDU221 Introduction to Education.....  | (3)                   |
| EDU222 Introduction to the Exceptional Learner.....  | (3)                   |
| EDU230 Cultural Diversity in Education.....  | (3)                   |
| MAT256 Investigating Quantity: Number, Operations, and Numeration Systems.....   | (4)                   |
| MAT257 Investigating Geometry, Probability, and Statistics.....  | (4)                   |
| <b>II. Restricted Electives</b> .....  | <b>8</b>              |
| A total of 8 semester credits is required to satisfy the Electives for Arizona Professional Teacher Standards: 3 credits in an additional Education course and 5 credits in Content Area Electives.  |                       |
| Courses must transfer to all public Arizona universities as elective credit, departmental elective, or equivalent to a university course as indicated in the Arizona Course Equivalency Guide in effect when the course is taken. Courses identified as non-transferable in the Arizona Course Equivalency Guide cannot be used to satisfy this requirement. |                       |
| Select one additional EDU course (other than EDU221, EDU222, EDU230 or EDU250).....  | (3)                   |
| Recommended:   |                       |
| EDU110 Education in Film   |                       |
| EDU220 Introduction to Serving English Language Learners (ELL)   |                       |
| EDU236 Classroom Relationships   |                       |
| EDU/HUM/STO292 The Art of Storytelling   |                       |



Choose any combination from the following list of courses and prefixes to total five (5) credits of additional coursework. Course(s) selected must be different from those used to fulfill a requirement of the AGEC-A and/or those used to fulfill Required Courses.

Content Area Electives: Select 5 credits from the following:..... (5)

- AAA/CPD115 Creating College Success
- ARH+++ Any ARH Art Humanities course(s)
- ART+++ Any ART Art course(s)
- BPC+++ Any BPC Business-Personal Computers course(s)
- CFS/ECH176 Child Development
- CFS205 Human Development
- CIS+++ Any CIS Computer Information Systems course(s)
- ECN+++ Any ECN Economics course(s)
- EDU+++ Any EDU Education course(s) (except EDU221, EDU222, EDU230, and EDU250)
- EED215 Early Learning: Health, Safety, Nutrition and Fitness
- ENG+++ Any ENG English course(s)
- ENH+++ Any ENH English Humanities course(s)
- GCU+++ Any GCU Cultural Geography course(s)
- GPH+++ Any GPH Physical Geography course(s)
- HIS+++ Any HIS History course(s)
- MAT+++ Any MAT Mathematics course(s) 140 or higher (except MAT256 and MAT257)
- MHL+++ Any MHL Music: History/Literature course(s)
- MTC+++ Any MTC Music: Theory/Composition course(s)
- POS+++ Any POS Political Science course(s)
- THE+++ Any THE Theatre course(s)
- THF+++ Any THF Theatre and Film course(s)
- THP+++ Any THP Theatre Performance/Production course(s)
- Any Foreign Language course(s)
- Any Natural Science course(s)

**III. Arizona General Education Curriculum--Arts (AGEC-A)..... 32-44\***

The AGEC-A requires a minimum of 35 credits (32 if FYC is met by single transfer course)\*, however, prerequisite/required/restricted elective courses may also meet AGEC-A requirements and credits count once toward the total for the degree. Therefore, the AGEC-A may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)\* as long as all requirements listed in this section (III) are completed.

Courses applied to meet AGEC-A requirements vary by emphasis. Refer to the Program (Degree) Search at curriculum.maricopa.edu for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGEC requirements, Required Course(s) or Restricted Elective(s). AGEC designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

- A. First-Year Composition [FYC]..... 6\*
  - ENG101 OR ENG107..... (3)\*
  - AND ENG102 OR ENG108..... (3)\*
- B. Literacy and Critical Inquiry [L]- COM225 Public Speaking..... 3
- C. Mathematical Applications [MA]..... 3-6
  - Requires a course in college mathematics (MAT140, MAT141, MAT142, MAT145, MAT146) or college algebra (MAT150, MAT151, MAT152, MAT155, MAT156) or pre calculus (MAT187) or higher approved general education course in the Mathematical Applications [MA] area for which MAT15+ is a prerequisite.
  - (Note that MAT182, MAT206, MAT256, MAT257 do NOT meet this requirement.
- D. Computer/Statistics/Quantitative Applications [CS]..... 3
  - BPC110 Computer Usage and Applications OR
  - CIS105 Survey of Computer Information Systems
- E. Humanities, Arts and Design [HU]..... 6



Note that some of these courses also have Awareness Areas designations and can be used to satisfy [G] and/or [H] requirement as well as [HU]. (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)

- 1) Select one of the following ARH, DAH, MHL or THE courses:..... (3)
- ARH100 Introduction to Art OR
  - ARH101 Prehistoric through Gothic Art OR
  - ARH102 Renaissance through Contemporary Art OR
  - DAH100 Introduction to Dance OR
  - DAH201 World Dance Studies OR
  - DAH250 Dance in Popular Culture OR
  - MHL140 Survey of Music History OR
  - MHL145 American Jazz and Popular Music OR
  - MHL146 Survey of Broadway Musicals OR
  - MHL153 Rock Music and Culture OR
  - THE111 Introduction to Theatre OR
  - THE220 Modern Drama

AND

- 2) Select one of the following EDU, ENH or HUM courses:..... (3)
- EDU/ENH291 Children's Literature (Recommended) OR
  - ENH110 Introduction to Literature OR
  - ENH241 American Literature Before 1860 OR
  - ENH242 American Literature After 1860 OR
  - HUM250 Ideas and Values in the Humanities: Early Civilizations to the Renaissance OR
  - HUM251 Ideas and Values in the Humanities: Renaissance to the Contemporary World

(EDU/ENH291 recommended)

F. Social-Behavioral Sciences [SB]..... 6

Note that some of these courses also have Awareness Areas designations and can be used to satisfy [G] and/or [H] requirement as well as [SB]. (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)

- 1) Select one of the following US History/Government courses\*\*..... (3)
- These courses satisfy the United States Constitution requirement for state teacher certification.
- GCU/POS113 United States and Arizona Social Studies OR
  - HIS103 United States History to 1865 OR
  - POS110 American National Government

AND

- 2) Select one of the following CFS, ECH, GCU, ECN, HIS or PSY courses..... (3)
- CFS205 Human Development OR
  - CFS/ECH176 Child Development OR
  - ECN211 Macroeconomic Principles OR
  - ECN212 Microeconomic Principles OR
  - GCU121 World Geography I: Eastern Hemisphere OR
  - GCU122 World Geography II: Western Hemisphere OR
  - HIS104 United States History 1865 to Present OR
  - PSY101 Introduction to Psychology

(CFS/ECH176 recommended)

- G. Natural Sciences [SQ/SG]..... 8  
 The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course for a total of 4 credits each. At least four (4) credits must be designated as SQ. Eight (8) credits of SG will not satisfy this requirement.
  - 1) Life Sciences: Select four (4) credits of SQ or SG in Biology (BIO)..... (4)  
AND
  - 2) Physical Sciences or Earth/Space Sciences: Select four (4) credits of SQ or SG from one of the following prefixes:..... (4)  
AGS, ASM, AST, CHM, GPH, GLG, PHS, or PHY

Note: Students are advised to check with the university they plan to attend as specific requirements for lab sciences may vary.

- H. Awareness Areas..... 0-3
  - 1. Cultural Diversity in the United States [C]..... (0)  
Met by EDU222 and EDU230 in Required Courses.
  - 2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)  
May be met by [HU] and/or [SB] course depending on specific courses selected. (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)

**IV. MCCC Additional Requirements..... 0-3**

These requirements may be shared with other AGECE requirements. See the [AGECE matrix](#) on [aztransfer.com](#) for course designations.

- A. Oral Communication..... (0)  
Met by COM225 in Required Courses.
- B. Critical Reading..... (0-3)  
Students may demonstrate proficiency through assessment.  
CRE101 [L] Critical Reading OR equivalent as indicated by assessment

**TOTAL..... 60-68\*\*\***

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*State certification requirements include courses on the constitutions of US and Arizona. Taking GCU/POS113 for [SB] fulfills this requirement completely. Students who instead take HIS103 or POS110 for [SB] should consider taking POS221 as a Content Area Elective so they have completed study of both constitutions. POS220 meets state certification requirements for both constitutions but does not meet [SB].

\*\*\*64 semester credits is the maximum accepted toward most degree programs at Arizona's public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Arts, Fine Arts (AAFA) Degree**

**Description**

The Maricopa County Community College District Associate in Arts, Fine Arts (AAFA) degree requires a minimum of 60 semester credits for the program of study; however, minimum total credits for the AAFA vary by specific emphasis (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for credit minimums for individual degree programs by emphasis. A minimum grade point average of 2.0 and grades of “C” or higher are required to earn the degree. The AAFA degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

The Associate in Arts, Fine Arts degree includes the following components:

- I. Program Prerequisites (if applicable, for versions with an emphasis only)
- II. Required Courses (for versions with an emphasis only)
- III. Restricted Electives (for versions with an emphasis only)
- IV. Arizona General Education Curriculum for Arts (AGEC-A)
- V. MCCCD Additional Requirements (Oral Communication and Critical Reading)
- VI. General Electives (if needed to reach minimum credits for degree)

**Purpose of the Degree**

The Associate in Arts, Fine Arts (AAFA) degree is designed for students planning to transfer to four-year colleges and universities. In general, the components of the degree meet requirements for majors in the Fine Arts. The degree is designed to prepare students to meet selective admission criteria for programs such as the Bachelor of Fine Arts, which may require a portfolio or performance requirement.

In most cases, courses used to satisfy the MCCCD Associate in Arts, Fine Arts (AAFA) will apply to general university graduation requirements of the majors that align with AAFA degree; however, students need to pay attention to any specific requirements of their intended focus at the university to be sure they select courses that will meet them. Information regarding the articulation of the AAFA degree with majors at the Arizona public universities can be accessed via the following website: [www.aztransfer.com](http://www.aztransfer.com)

**Degree Requirements**

The requirements for the Associate in Arts, Fine Arts (AAFA) follow. No versions of the AAFA require fewer than a minimum of 60 credits; however, minimum total credits for the AAFA vary by specific emphasis (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for credit minimums by emphasis. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: [AGEC-A](#) and the [AGEC matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the “Find a Class” tool on maricopa.edu and on each MCCCD college’s website.

**Requirements**

**Credits**

|   |                      |
|---|----------------------|
| <b>I. Program Prerequisites</b> .....   | <b>Number varies</b> |
| Program prerequisites for the Associate in Arts, Fine Arts degree vary by specific emphasis (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis.             |                      |
| <b>II. Required Courses</b> .....   | <b>Number varies</b> |
| Required (major-specific) courses for the Associate in Arts, Fine Arts degree vary by specific emphasis (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis. |                      |

|   |                      |
|---|----------------------|
| <b>III. Restricted Electives</b> .....  | <b>Number varies</b> |
| <p>Restricted electives for the Associate in Arts, Fine Arts degree vary by specific emphasis, and are not required for version of the degree without a specific emphasis. (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific courses and credit minimums by emphasis.</p>  |                      |
| <b>IV. Arizona General Education Curriculum--Arts (AGEC-A)</b> .....  | <b>up to 44</b>      |
| <p>The AGECE-A requires a minimum of 35 credits (32 if FYC is met by single transfer course)*, however, prerequisite/required/restricted elective courses may also meet AGECE-A requirements and credits count once toward the total for the degree. Therefore, the AGECE-A may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)* as long as all requirements listed in this section (IV) are completed.</p> <p>Courses applied to meet AGECE-A requirements vary by emphasis (Art, Dance, Music, Musical Theatre, Theatre). Refer to the Program (Degree) Search at <a href="http://curriculum.maricopa.edu">curriculum.maricopa.edu</a> for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Area designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGECE requirements, Required Course(s) or Restricted Elective(s). AGECE designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See <a href="#">AGECE matrix</a> for each course's value(s) in the semester it is taken.</p> |                      |
| A. First-Year Composition [FYC].....  | <b>6*</b>            |
| ENG101 OR ENG107.....   | (3)*                 |
| AND ENG102 OR ENG108.....   | (3)*                 |
| B. Literacy and Critical Inquiry [L].....   | <b>3</b>             |
| C. Mathematical Applications [MA].....  | <b>3-6</b>           |
| Requires a course in college mathematics (MAT140, MAT141, MAT142, MAT145, MAT146) or college algebra (MAT150, MAT151, MAT152, MAT155, MAT156) or pre calculus (MAT187) or higher [MA]-approved general education course.  |                      |
| D. Computer/Statistics/Quantitative Applications [CS].....  | <b>3</b>             |
| E. Humanities, Arts and Design [HU].....  | <b>6</b>             |
| F. Social-Behavioral Sciences [SB].....   | <b>6</b>             |
| Students are encouraged to choose course work from more than one discipline.  |                      |
| G. Natural Sciences [SQ/SG].....  | <b>8</b>             |
| The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement.  |                      |
| H. Awareness Areas.....   | <b>0-6</b>           |
| Courses may be used to satisfy other AGECE requirements and one or more Awareness Area(s). (See <a href="#">AGECE matrix</a> for current course values.)  |                      |
| 1. Cultural Diversity in the United States [C].....   | (0-3)                |
| 2. Global Awareness [G] OR Historical Awareness [H].....  | (0-3)                |
| <b>V. MCCC Additional Requirements</b> .....  | <b>0-6</b>           |
| <p>These requirements may be shared with other AGECE requirements. See the <a href="#">AGECE matrix</a> on <a href="http://aztransfer.com">aztransfer.com</a> for course designations.</p>  |                      |
| A. Oral Communication.....  | (0-3)                |
| <i>Refer to emphasis area (Art, Dance, Music, Musical Theatre, Theatre) for specific COM course required from the following:</i>  |                      |
| COM100 [SB] Introduction to Human Communication OR  |                      |
| COM110 [SB] Interpersonal Communication OR  |                      |
| COM225 [L] Public Speaking OR   |                      |
| COM230 [SB] Small Group Communication (3 credits) OR  |                      |

COM100AA & COM100AB & COM100AC [SB] (3 credits) OR  
 COM110AA & COM110AB & COM110AC [SB] (3 credits)

- B. Critical Reading..... (0-3)  
 Students may demonstrate proficiency through assessment.  
 CRE101 [L] Critical Reading OR equivalent as indicated by assessment

**VI. General Electives..... 0-25**

Select courses 100-level or higher if needed to complete a minimum of 60 semester credits but no more than a total of 64 semester credits, which is the maximum number of credits accepted toward most degree programs at Arizona’s public universities. Ideally, students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations, and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer and major guides are accessible on the following websites: [aztransfer.com](http://aztransfer.com), [maricopa.edu/transfer/partners](http://maricopa.edu/transfer/partners), as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.

**MINIMUM TOTAL CREDITS REQUIRED\*\***

|  |           |
|--|-----------|
| AAFA (No Emphasis).....                | <b>60</b> |
| AAFA, Emphasis in Art.....             | <b>60</b> |
| AAFA, Emphasis in Dance.....           | <b>62</b> |
| AAFA, Emphasis in Music.....           | <b>66</b> |
| AAFA, Emphasis in Musical Theatre..... | <b>66</b> |
| AAFA, Emphasis in Theatre.....         | <b>61</b> |

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*64 semester credits is the maximum accepted toward most degree programs at Arizona’s public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.

**Maricopa County Community College District (MCCCD)**  
**2021-2022 Associate in Applied Science (AAS) Degree and General Education Requirements**

**Description**

The Associate in Applied Science (AAS) degree requires at least 60 credits in its program of study. The exact number of credits for a specific degree is identified as part of the presentation of its requirements on the web or in the college catalog.

**Purpose of the Degree**

The Maricopa County Community College District Associate in Applied Science (AAS) degree is recommended for students who wish to gain a depth of technical expertise in a particular workforce-related area of study. The AAS degree options vary at the different MCCCD colleges and can be searched [alphabetically](#) or by [field of interest](#). Requirements for each degree can be found on the linked webpages and in the corresponding college(s)'s catalog.

**Academic Policies that Govern the AAS degree:**

- \* Requires 60 or more credits numbered 100 or above and includes credits or the equivalent in the General Education Core areas and credits in the Distribution areas. AAS degree requirements follow with the use of a diagonal character (/) between course numbers to signify options. An asterisk (\*) following the course number defines requirements with an effective begin term of spring;
- \* All courses must be completed with a grade of C or higher; any additional requirements such as grades of B or higher or minimum grade point average requirements are listed on individual degrees and certificates;
- \* The graduation policies within the general catalog must be satisfied (Administrative Regulation 2.3.9).
- \* Includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Associate in Applied Science requirements.
- \* Requires completion of General Education courses as indicated in the General Education Requirements for the Associate in Applied Science degree from the Maricopa County Community College District, or completion of a curriculum as stated in the catalog;
- \* Accepts one of the courses that is cross-referenced with other courses.

**AAS GENERAL EDUCATION CORE**

(12-15 credits)\*

Demonstrate college-level skills in the following areas:

**First-Year Composition (6 credits)\***

ENG English [101/107] &amp; [102/108/111]

**Oral Communication (3 credits)**COM Communication 100/100AA & 100AB  
& 100AC/110/110AA & 110AB & 110AC/225/230**Critical Reading (3 credits)**CRE Critical Reading 101 or Equivalent as  
indicated by assessment**Mathematics (3 credits)**MAT Mathematics 112/114/115/120/121/122/126  
140/141/142/145/146/150/  
MAT150&182/151/MAT151&182/  
152/152&182/155/155&182/  
156/156&182/172/187/206/212/213/217/218/220/221/  
225/227/230/231/240/241/256/257/261/276/277/  
equivalent course/Satisfactory completion of a higher  
level mathematics course**AAS GENERAL EDUCATION DISTRIBUTION AREAS  
(9-10 credits)****Humanities, Arts and Design (2-3 credits)**AHU Arabic Humanities 245  
AIS American Indian Studies 213  
AJS Administration of Justice Studies 123  
ARH Art Humanities Any ARH Course(s)  
ART Art 131  
ASB Anthropology 211/214/220/222/223/253  
CCS Chicana and Chicano Studies 101  
COM Communication 241  
CON Construction 101 (formerly CNS 101)  
DAH Dance Humanities 100/201/250/255  
EDU Education 230 (Eff. Spring '22)/291/292/294  
ENG English 200/213/218  
ENH English Humanities Any ENH Course(s)  
FRE French 265  
GST Game Studies 202  
HCR Health Care Related 210  
HIS History 101/102/103/108/110/111/113/114/203/212/251/252  
HON Honors 190  
HUM Humanities Any HUM course(s) (except 120, 225)  
INT Interior Design 115/120  
LAT Latin 201/202  
MHL Music: History/Literature 140/143/145/146/153/155/194/  
204/241/242/295  
PHI Philosophy Any PHI Course(s)  
REL Religious Studies Any REL Course(s)  
SLC Studies in Language & Culture 201/202  
SPA Spanish 241/242/265/266  
SPH Spanish Humanities 241, 245  
SSH Sustainability/Social Sciences and Humanities 111  
STO Storytelling 292/294  
SWU Social Work 183  
TEC Textiles and Clothing 105  
THE Theatre 111/220  
THF Theatre and Film 205/206/210  
THP Theatre Performance/Production 217, 241  
WST Women's Studies 209/284/285/290**Social-Behavioral Sciences (3 credits)**AFR African American Studies 202/203/204  
AIS American Indian Studies 101/140/141/160  
AJS Administration of Justice Studies 101/200/225/258/270  
ASB Anthropology 100/102/202/211/222/223/  
226/230/235/252  
ASM Anthropology 104/275BHS Behavioral Health Services Technology 150, 210  
CCS Chicana and Chicano Studies 202  
CFS Child/Family Studies 112/157/159/176/205/  
235/259  
COM Communications 100/100AA&100AB&100AC/  
110/110AA&110AB & 110AC/ 163/230/250/263  
CPD Counseling and Personal Development 180  
ECH Early Childhood Education 176  
ECN Economics Any ECN course(s)  
EDU Education 221/222  
EED Early Education 200/205/222  
EMT Emergency Medical Technology 258  
ENG English 213  
FOR Forensic Science 275  
FSC Fire Science 258  
GCU Cultural Geography 102/113/121/122/141/221  
HES Health Science 100  
HIS History Any HIS course(s) (except 111,170, 251, 252)  
HON Honors 201  
HUM Humanities 235  
IBS International Business 109  
IFS Information Studies 201, 210, 213  
MCO Mass Communications 120  
MGT Management 229/230  
PAD Public Administration 200  
POS Political Science Any POS course(s)  
PSY Psychology 101/123/132/156/157/215/218/  
225/235/240/241/243/250/260/262/266/277/280/292  
REC Recreation 120  
SBU Society and Business 200  
SLC Studies in Language & Culture 201  
SOC Sociology Any SOC course(s) (except 143, 245, 253, 265)  
SSH Sustainability/Social Sciences and Humanities 111  
SUS Sustainability/Natural Sciences 110  
SWU Social Work 171/182/250/258/295  
TEC Textiles and Clothing 105  
WED Wellness Education 110  
WST Women's Studies 100/161  
YAQ Yaqui Indian History and Culture 100**Natural Sciences (4 credits)**The lecture course(s) selected for Natural Sciences must include or  
be accompanied by the corresponding laboratory course. The  
lecture and corresponding laboratory course(s) may carry  
separate credit. Students should consult with an advisor for  
appropriate course selection.AGS Agricultural Science 164, 260  
ASB Anthropology (Soc/Behv. Science) 231  
ASM Anthropology (Science/Math) 104/265/275  
AST Astronomy 101/106/111/112  
BIO Biology 100/101/102/105/107/108/109/111/145/  
149AN/156/156XT/160/181/181XT/182/182XT/201/  
201XT/202/205/241  
CHM Chemistry 107&107LL/130&130LL/130AA/  
150AA/150&151LL/151AA/151&151LL/152AA/  
152&152LL/154&154LL/230&230LL  
CON Construction 106 (formerly CNS106)  
ENV Environmental Sciences 101  
FON Food and Nutrition 241&241LL  
FOR Forensic Science 105/106/275  
GLG Geology Any GLG course(s)  
GPH Physical Geography 111&112/113/211/212&214/  
213&215  
PHS Physical Science 110/115/120  
PHY Physics 101/101AA/111/111AA/112/115/116/  
121/131  
PSY Psychology 275/290AB/290AC\* FYC may be met with fewer than 6 credits if  
student has transfer credit from ASU, NAU or UAZ  
for a single course that meets FYC in full.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Business, General Requirements (ABUS-GR) Degree**

**Description**

The Maricopa County Community College District Associate in Business General Requirements (ABUS-GR) degree requires a minimum of 62 semester credits for the program of study. A minimum grade point average of 2.0 and grades of “C” or higher are required to earn the degree. The Associate in Business-General Requirements degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

This degree provides the first two years of a four-year curriculum for students who wish to specialize in business. For a comprehensive list of bachelor’s degrees at Arizona’s public universities, refer to the [AZTransfer Business Matrix](#). With a bachelor’s degree, students may pursue a number of careers, including but not limited to accountancy, business administration, business data analytics, economics, entrepreneurship, finance, marketing, management, retail management, and supply chain management.

The Associate in Business-General Requirements degree includes the following components:

- I. Required Courses
- II. Restricted Electives
- III. Arizona General Education Curriculum for Business (AGEC-B)
- IV. General Electives (if needed to reach minimum credits for degree)

**Purpose of the Degree**

The Associate in Business General Requirements (ABUS-GR) degree is designed for students who plan to transfer to four-year colleges and universities. In general, the components of this degree meet requirements for the various business majors (except Computer Information Systems) at Arizona’s public universities. Computer Information Systems majors should follow the Associate in Business Special Requirements (ABUS-SR) pathway instead. Generally, the degree transfers as a block without loss of credit to Arizona's public universities and other institutions with district-wide articulation agreements.

**Special Academic Policies that Govern the ABUS-GR Degree**

- The ABUS-GR does not include any MCCCD Special Requirements for Oral Communication and/or Critical Reading like the other associate degrees. (However, some university programs have a speech requirement; consult your academic advisor or transfer guide to verify the specifics for your program.)
- A single course can be used to satisfy multiple areas within the degree simultaneously:(Awareness Area(s), other AGECE-B requirements), Required Courses (Common Lower Division Requirements), and/or Restricted Electives (Business Electives)). Credits are counted once toward the total for the degree.

**Degree Requirements**

The 62-72 semester credits required for the Associate in Business General Requirements follow. The following websites identify the courses that apply to the different General Education Areas: [AGEC-B](#) and the [AGEC Matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the “Find A Class” tool on each MCCCD college’s website.

**Requirements**

**Credits**

|   |              |
|---|--------------|
| <b>I. Required Courses</b> .....            | <b>21-25</b> |
| Accounting.....                             | (6-9)        |
| ACC111 Accounting Principles AND            |              |
| ACC230 Uses of Accounting Information I AND |              |
| ACC240 Uses of Accounting Information II    |              |
| <b>OR</b>                                   |              |
| ACC211 Financial Accounting AND             |              |
| ACC212 Managerial Accounting                |              |
| <b>OR</b>                                   |              |



ACC111 Accounting Principles I **AND**  
 ACC112 Accounting Principles II **AND**  
 ACC212 Managerial Accounting

Some of the following courses can be used to satisfy both this requirement and an AGEC-B requirement. AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

|   |       |
|---|-------|
| ECN211 [SB] Macroeconomic Principles.....                     | (3)   |
| ECN212 [SB] Microeconomic Principles.....                     | (3)   |
| GBS205 Legal, Ethical, and Regulatory Issues in Business..... | (3)   |
| GBS221 Business Statistics.....                               | (3)   |
| Quantitative Methods.....                                     | (3-4) |

GBS220 Quantitative Methods in Business **OR**

MAT217 or MAT218 Mathematical Analysis for Business

Note: Students planning to transfer to ASU's W.P. Carey School of Business BS program should take MAT217 or MAT218.

Students planning to transfer to ASU's W.P. Carey School of Business BA program may take GBS220, MAT217, or MAT218.

Students planning to transfer to the University of Arizona should take GBS220.

**II. Restricted Electives..... 0-6**

Complete six (6) credits from the following options. Some courses may be used to satisfy both Restricted Elective and Arizona General Education Curriculum (AGEC) requirements simultaneously. See the [AGEC matrix](#) on [aztransfer.com](#) for course designations. AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

|          |   |     |
|----------|---|-----|
| CIS114DE | Excel Spreadsheet.....  | (3) |
| CIS133DA | Internet/Web Development Level I.....   | (3) |
| CIS162AD | C#: Level I.....  | (3) |
| GBS110   | Human Relations in Business and Industry <b>OR</b>  |     |
| MGT251   | Human Relations in Business.....  | (3) |
| GBS151   | Introduction to Business (Recommended).....   | (3) |
| GBS220   | Quantitative Methods in Business (If course used to satisfy Required Courses, it can not be used to satisfy Restricted Electives.)..... | (3) |
| GBS233   | Business Communication.....   | (3) |
| IBS101   | Introduction to International Business.....   | (3) |
| MGT253   | Owning and Operating a Small Business.....  | (3) |
| MKT271   | Principles of Marketing.....  | (3) |
| PAD100   | 21st Century Public Policy and Service.....   | (3) |
| REA179   | Real Estate Principles I.....   | (3) |
| REA180   | Real Estate Principles II.....  | (3) |
| REA201   | Real Estate Principles I and II.....  | (6) |
| SBU200   | Society and Business.....   | (3) |

**III. Arizona General Education Curriculum- Business (AGEC-B)..... 29-37\***

The AGEC-B requires a minimum of 35 credits (32 if FYC is met by single transfer course)\*, however, Required and Restricted elective courses may also meet AGEC-B requirements and credits count once toward the total for the degree. Therefore, the AGEC-B may be met with fewer than 35 (fewer than 32 if FYC is met by single transfer course)\* credits as long as all requirements listed in this section (III) are completed.

Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGEC requirements, Required Course(s) or Restricted Elective(s). AGEC designations are subject to change. Courses

may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

|  |       |
|--|-------|
| A. First-Year Composition [FYC].....   | 6*    |
| ENG101 OR ENG107 AND.....  | (3)*  |
| ENG102 OR ENG108.....  | (3)*  |
| B. Literacy and Critical Inquiry [L].....  | 3     |
| <i>(Note: Students planning to attend ASU W.P. Carey will be required to take COM225.)</i>   |       |
| C. Mathematical Applications [MA].....   | (3-5) |
| MAT212 Brief Calculus OR.....  | (3)   |
| MAT213 Brief Calculus OR.....  | (4)   |
| Higher [MA] designated course.....   | (3-5) |
| D. Computer/Statistics/Quantitative Applications [CS].....   | 3     |
| CIS105 Survey of Computer Information Systems.....   |       |
| E. Humanities, Arts and Design [HU].....   | 6     |
| Students are encouraged to choose course work from more than one discipline.   |       |
| F. Social-Behavioral Sciences [SB].....  | 0     |
| Met by Required Courses ECN211 AND ECN212  |       |
| G. Natural Sciences [SQ/SG].....   | 8     |
| The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement. |       |
| H. Awareness Areas.....  | 0-6   |
| Courses may be used to satisfy other AGECE requirements and one or more Awareness Area(s). (See <a href="#">AGEC matrix</a> for current course values.)  |       |
| 1. Cultural Diversity in the United States [C].....  | (0-3) |
| 2. Global Awareness [G] OR Historical Awareness [H].....   | (0-3) |

***Students transferring to ASU to major in business should complete courses from the following list (up to the 64 credit transfer maximum) to meet W.P. Carey School of Business requirements. If students do not take these prior to transfer, they may need to take additional credits to meet ASU graduation requirements:***

Any course that transfers to ASU in the SOC prefix and carries the [SB] designation

Any course that transfers to ASU in the PSY prefix and carries the [SB] designation

COM100 Introduction to Human Communication (3) OR

COM225 Public Speaking (3) OR

COM230 Small Group Communication (3) OR

COM259 Communication in Business and Professions (3)

Note: COM requirements vary by business major. Check ASU MAPP or major map for acceptable options.

**IV. General Electives..... 0-12**

Select courses 100-level or higher if needed to complete a minimum of 62 semester credits but no more than a total of 64 semester credits, which is the maximum number of credits accepted toward most degree programs at Arizona's public universities. Ideally, students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations, and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer advisement information is accessible on the following websites: [aztransfer.com](http://aztransfer.com), [curriculum.maricopa.edu](http://curriculum.maricopa.edu), as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.

**TOTAL..... 62-72\*\***

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*64 semester credits is the maximum accepted toward most degree programs at Arizona's public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Business, Special Requirements (ABUS-SR) Degree**

**Description**

The Maricopa County Community College District Associate in Business, Special Requirements (ABUS-SR) degree requires a minimum of 62 semester credits for the program of study. A minimum grade point average of 2.0 and grades of “C” or higher are required to earn the degree. This degree provides the first two years of a four-year curriculum for students who wish to pursue Computer Information Systems majors at Arizona’s public universities. With a bachelor’s degree, students may pursue a number of careers, including but not limited to accountancy, business administration, business data analytics, computer information systems, economics, entrepreneurship, finance, marketing, management, retail management, and supply chain management. The Associate in Business-Special Requirements degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

The Associate in Business-Special Requirements degree includes the following components:

- I. Required Courses
- II. Arizona General Education Curriculum for Business (AGEC-B)
- III. General Electives (if needed to reach minimum credits for degree)

**Purpose of the Degree**

The Associate in Business Special Requirements (ABUS-SR) degree is designed for students who plan to transfer to four-year colleges and universities. In general, the components of this degree meet requirements for Business’ Computer Information Systems majors at Arizona’s public universities.. Other Business majors should follow the Associate in Business General Requirements (ABUS-GR) pathway instead. Generally, the degree transfers as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

**Special Academic Policies that Govern the ABUS-SR Degree**

- The ABUS-SR does not include any MCCCD Special Requirements for Oral Communication and/or Critical Reading like the other associate degrees. (However, some university programs have a speech requirement; consult your academic advisor or transfer guide to verify the specifics for your program.)
- A single course can be used to satisfy multiple areas within the degree simultaneously: Awareness Area(s), other AGECE-B requirements, and/or Required Courses (Common Lower Division Requirements). Credits are counted once toward the total for the degree.

**Degree Requirements**

The 62-71 semester credits required for the Associate in Business Special Requirements follow. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: [AGEC-B](#) and the [AGEC Matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the “Find A Class” tool on each MCCCD college’s website.

| <u>Requirements</u>                                | <u>Credits</u> |
|--|----------------|
| <b>I. Required Courses</b> .....                   | <b>27-31</b>   |
| Accounting.....                                    | (6-9)          |
| ACC111 Accounting Principles <b>AND</b>            |                |
| ACC230 Uses of Accounting Information I <b>AND</b> |                |
| ACC240 Uses of Accounting Information II           |                |
| <b>OR</b>  |                |
| ACC211 Financial Accounting <b>AND</b>             |                |
| ACC212 Managerial Accounting                       |                |
| <b>OR</b>  |                |
| ACC111 Accounting Principles I <b>AND</b>          |                |
| ACC112 Accounting Principles II <b>AND</b>         |                |
| ACC212 Managerial Accounting                       |                |

Some of the following courses can be used to satisfy both this requirement and an AGEC-B requirement. AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

|   |       |
|---|-------|
| ECN211 [SB] Macroeconomic Principles.....                     | (3)   |
| ECN212 [SB] Microeconomic Principles.....                     | (3)   |
| GBS205 Legal, Ethical, and Regulatory Issues in Business..... | (3)   |
| GBS221 Business Statistics.....                               | (3)   |
| CIS162AD C#: Level 1.....                                     | (3)   |
| CIS250 Management of Information Systems.....                 | (3)   |
| Quantitative Methods.....                                     | (3-4) |

GBS220 Quantitative Methods in Business **OR**  
 MAT217 or MAT218 Mathematical Analysis for Business

Note: Students planning to transfer to ASU's W.P. Carey School of Business BS program should take MAT217 or MAT218.

Students planning to transfer to ASU's W.P. Carey School of Business BA program may take GBS220, MAT217, or MAT218.

Students planning to transfer to the University of Arizona should take GBS220.

**II. Arizona General Education Curriculum- Business (AGEC-B)..... 29-37\***

The AGEC-B requires a minimum of 35 credits (32 if FYC is met by single transfer course)\*, however, Required and Restricted elective courses may also meet AGEC-B requirements and credits count once toward the total for the degree. Therefore, the AGEC-B may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)\* as long as all requirements listed in this section (II) are completed.

Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGEC requirements or Required Course(s). AGEC designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

|  |       |
|--|-------|
| A. First-Year Composition [FYC].....   | 6*    |
| ENG101 OR ENG107 AND.....  | (3)*  |
| ENG102 OR ENG108.....  | (3)*  |
| B. Literacy and Critical Inquiry [L].....  | 3     |
| (Note: Students planning to attend ASU W.P. Carey will be required to take COM225.)  |       |
| C. Mathematical Applications [MA].....   | 3-5   |
| MAT212 Brief Calculus OR.....  | (3)   |
| MAT213 Brief Calculus OR.....  | (4)   |
| Higher [MA] designated course.....   | (3-5) |
| A. Computer/Statistics/Quantitative Applications [CS].....   | 3     |
| CIS105 Survey of Computer Information Systems.....   |       |
| B. Humanities, Arts and Design [HU].....   | 6     |
| Students are encouraged to choose course work from more than one discipline.   |       |
| C. Social-Behavioral Sciences [SB].....  | 0     |
| Met by Required Courses ECN211 AND ECN212.....   |       |
| D. Natural Sciences [SQ/SG].....   | 8     |
| The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or |       |

each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement.

- B. Awareness Areas..... **0-6**  
 Courses may be used to satisfy other AGECE requirements and one or more Awareness Area(s). (See [AGECE matrix](#) for current course values.)
1. Cultural Diversity in the United States [C]..... (0-3)
  2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)

***Students transferring to ASU to major in business should complete courses from the following list (up to the 64 credit transfer maximum) to meet W.P. Carey School of Business requirements. If students do not take these prior to transfer, they may need to take additional credits to meet ASU graduation requirements:***

- Any course that transfers to ASU in the SOC prefix and carries the [SB] designation
- Any course that transfers to ASU in the PSY prefix and carries the [SB] designation
- COM100 Introduction to Human Communication (3) OR
- COM225 Public Speaking (3) OR
- COM230 Small Group Communication (3) OR
- COM259 Communication in Business and Professions (3)

Note: COM requirements vary by business major. Check ASU MAPP or major map for acceptable options.

**III. General Electives..... 0-6**

Select courses 100-level or higher if needed to complete a minimum of 62 semester credits but no more than a total of 64 semester credits, which is the maximum number of credits accepted toward most degree programs at Arizona’s public universities. Ideally, students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations, and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer advisement information is accessible on the following websites: [aztransfer.com](http://aztransfer.com), [curriculum.maricopa.edu](http://curriculum.maricopa.edu), as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.

**TOTAL..... 62-71\*\***

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*64 semester credits is the maximum accepted toward most degree programs at Arizona’s public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.

**Maricopa County Community College District (MCCCD)  
2021-2022 Academic Certificate (AC)**

**Purpose of the Academic Certificate**

The Maricopa County Community College District Academic Certificate (AC) is a defined and coherent program of study that is recommended for students who wish to gain additional expertise in a specific area of emphasis in an academic discipline. While this program of study can result in proficiency in specified skills and competencies, as well as mastery of a body of knowledge, it is not designed to prepare someone for employment in a specific occupation. The coursework for an Academic Certificate may be from a variety of disciplines or it can be discipline specific. There is no required general studies component to an Academic Certificate; however, the program may include some courses that have specific general studies designations such as Humanities, Arts and Design [HU], Social-Behavioral Sciences [SB], Literacy and Critical Inquiry [L], or Cultural Awareness [C]. (See [AGEC matrix](#) for current course values.)

**Academic Policies that Govern the Academic Certificate:**

- \* Although, the program of study for an Academic Certificate (AC) does not have a mandated minimum number of credit hours, most ACs require approximately 12-39 credit hours in courses numbered 100 and above;
- \* Requires a cumulative GPA of 2.0 or better in required courses for completion;
- \* Follows the graduation policies listed in the college's general catalog for the appropriate catalog year;
- \* Any course cross-referenced under another prefix(es) (for example ENH291/EDU291-Children's Literature) covers identical content and its credits can only be counted once toward certificate requirements;
- \* Although ACs may include a subset of coursework required in particular transfer degrees, the intent of an AC is not to align with any specific university major. There is no presumption of block transfer to another college or university;
- \* May have admission criteria established by the college if and when appropriate;
- \* Generally offered at a limited number of colleges. For a listing of all ACs available in the district and their affiliated college(s) see the [CCTA web site](#).

**Maricopa County Community College District (MCCCD)  
2021-2022 Arizona General Education Curriculum (AGEC) – A, B, S**

**Description**

The Maricopa County Community College District Arizona General Education Curriculum (MCCCD AGEC) is a general education certificate that fulfills lower-division general education requirements for students planning to transfer to any Arizona public community college or university. Generally, the MCCCD AGEC transfers as a block without loss of credit. The AGEC-A and AGEC-B require a minimum of 35\* credit hours, and the AGEC-S requires a minimum of 36\* credit hours.

In most cases, all courses used to satisfy the MCCCD AGEC will apply to graduation requirements of the university major for which the AGEC was designed.

There are three types of AGECS in MCCCD: AGEC-A, AGEC-B, and AGEC-S. As described below, these AGECS are also a component of most MCCCD associate degrees and comparable degrees at other Arizona public community colleges. The AGEC-A defines the general education requirements in the Associate in Arts (AA), Associate in Arts, Elementary Education (AAEE), and the Associate in Arts, Fine Arts (AAFA) degrees. The AGEC-B defines the general education requirements in the Associate in Business-General Requirements (ABUS-GR) and Associate in Business-Special Requirements (ABUS-SR) degrees. The AGEC-S defines the general education requirements in the Associate in Science (AS) degree.

As described in more detail below, all AGECS require designated courses in First Year Composition [FYC], Literacy and Critical Inquiry [L], Mathematical Studies [MA/CS] (Exception: The AGEC-S does not require CS.), Social-Behavioral Sciences [SB], Humanities, Design and Fine Arts [HU], and Natural Science [SQ/SG]. Students must satisfy two Awareness areas: Cultural Diversity in U.S. and either Global Awareness or Historical Awareness.

**Purpose of the AGECS**

AGECS were designed to articulate with different academic majors, and their particular requirements vary accordingly. In some major-specific pathways, students are allowed to choose from a broad list of courses to satisfy the AGEC requirements; for others the courses are more restricted or even specified. Additional information on academic majors at the Arizona public universities can be accessed via the following website: [www.aztransfer.com](http://www.aztransfer.com)

1. The **AGEC-A** is designed to satisfy requirements in many liberal arts majors as well as other majors that articulate with an Associate in Arts degree (e.g., social sciences, fine arts, humanities, elementary education). AGEC-A requires a minimum of college mathematics or college algebra to satisfy the Mathematics [MA] requirement.
2. The **AGEC-B** is designed to satisfy requirements in business majors that articulate with the Associate in Business. AGEC-B requires a minimum of brief calculus to satisfy the Mathematics [MA] requirement.
3. The **AGEC-S** is designed to satisfy requirements in majors with more prescriptive mathematics and mathematics-based science requirements such as many in the sciences, technology, engineering and mathematics. AGEC-S requires a minimum of the first course in a calculus sequence to satisfy the Mathematics [MA] requirement, and a minimum of eight credits of either university chemistry, university physics, general biology for majors, or physical and historical geology to satisfy the Natural Sciences [SQ/SG] requirement. In addition, students must select six to ten additional credits of Subject Options comprised of math and/or science appropriate to their major.

**Academic Policies that Govern the AGEC-A, -B, -S**

- Requires completion of at least 35 credit hours\* (AGEC-A, AGEC-B) and 36 credit hours\* (AGEC-S) in courses numbered 100 and above and that a minimum of 12 of those credits be taken at one or any combination of the MCCCD colleges. See First Year Composition [FYC] notes in the following AGEC descriptions and footer for credit minimum exceptions.\*
- All MCCCD courses applied to the AGEC must be completed with a grade of “C” or better.
- All MCCCD courses applied to the AGEC must be accepted for transfer credit as a direct equivalent, departmental elective, or general elective credit at ASU, NAU, and UAZ according to the Course Equivalency Guide for the



academic year in which the course was taken. Courses applied exclusively to the Bachelor of Applied Science are ineligible for inclusion in the AGEC.

- A single course can simultaneously count toward one or more Awareness Areas and other AGEC requirements. For example, a course in world geography can be used to satisfy [SB] and [G] requirements. While multiple requirements can be met with a single course, the credits for that course are only counted one time toward the required minimum total for the AGEC. Except as detailed below for the AGEC-S, a single course cannot be used to satisfy more than one AGEC requirement, with the exception of Awareness Areas.
- The AGEC-A and AGEC-B require a minimum of 35\* credits and the AGEC-S requires a minimum of 36\* credits, however, the AGEC credit count within the total credits for a degree may be lower than these minimums if courses are also applied toward Required Courses or Restricted Electives and the credits are counted in those areas. Awareness Areas and MCCC'D's Additional Requirements may also be shared with other AGEC Requirements. Optimizing credits in this way is often recommended because some programs and universities limit transferable credits at 64.

### **Transfer Credit from Institutions Outside of MCCC'D**

- Credits transferred from outside of MCCC'D must be a grade of "C" (2.0 on a 4.0 scale) or better. Transfer credit graded pass/fail or pass/no credit may be used to satisfy AGEC requirements if documentation collected by the community college indicates that this was the only grading option available and that the Pass grade ("P") is equivalent to a "C" or better.
- External courses evaluated either as equivalent to an MCCC'D course or as elective credit may be applied toward the minimum credits for degree completion.
- The AGEC (Arizona General Education Curriculum) designations of courses completed at other Arizona public colleges or universities will be applied as listed on AZTransfer's Course Equivalency Guide (CEG) for the semester(s) in which the course(s) were completed. If a transcript evaluation determines there is no MCCC'D direct equivalency to a course from another Arizona public college or university, applicability to AGEC and/or associate degree requirements will be based on the source institution's AGEC designation for the semester in which the course was completed.
- Courses from private, out-of-state, and/or online institutions (i.e., outside of the Arizona Transfer System comprised of Arizona's public community colleges, tribal colleges and universities) will be applied toward AGEC and/or associate degree requirements based on the courses' evaluated MCCC'D equivalence. If courses are not directly equivalent, the credit may be articulated as a departmental elective, and if deemed appropriate, may have a general education designation applied to the course.
- Credit awarded at a Maricopa Community College through prior learning assessment in non-traditional setting is transferable to the other colleges in the MCCC district but is not necessarily transferable to other colleges and universities. No more than 20 such assessed semester credit hours may be applied toward AGEC.

### **Completion and Transfer**

- Completion of the AGEC with a minimum grade point average of at least 2.0 on a 4.0 scale for Arizona residents and 2.50 for non-residents meets Arizona public university general admission requirements. It does not ensure admission to specific university majors or programs with selective admission processes and/or limited enrollment.
- Students planning to transfer to another college or university are urged to refer to university requirements and academic advisors from both institutions to be certain that all their selected coursework is applicable to the requirements of their intended transfer degree. For some majors, the statewide Common Course matrix, AZTransfer Pathway Guides and/or University Transfer Guides posted on the AZTransfer website can also provide some guidance. For appropriate course selection, students should consult with an academic advisor.

### **AGEC Requirements**

Descriptions and definitions of the requirements for each of the three AGECS follow. The following website identifies the courses that apply to the different requirements within each AGEC:

[AGEC matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the "Find a

Class” tool on maricopa.edu and on each MCCC college’s website.

Note that for students pursuing an associate degree with a specific emphasis (for example: Associate in Arts, Emphasis in History, Associate in Arts, Fine Arts, Emphasis in Theatre, Associate in Science, Emphasis in Physics), the AGEC course requirements are usually more prescriptive. Students pursuing a major-specific pathway should consult the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific degree and AGEC requirements. Consultation with an academic advisor about course selection is always recommended.

Credits

**Arizona General Education Curriculum--Arts (AGEC-A)..... 35 (min.)\***

The AGEC-A requires a minimum of 35 credits (32 if FYC is met by single transfer course)\*, however, the AGEC credit count within the total credits for a degree may be lower if courses are also applied toward Required Courses or Restricted Electives and the credits are counted in those areas. Credits count once toward the total for the degree. Therefore, the AGEC-A may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)\* within an associate degree provided that all requirements listed below are completed.

Courses applied to meet AGEC-A requirements vary by emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGEC requirements, Required Course(s) or Restricted Elective(s). AGEC designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

- A. First-Year Composition [FYC]..... **6\***
  - ENG101 OR ENG107..... (3)\*
  - AND ENG102 OR ENG108..... (3)\*
- B. Literacy and Critical Inquiry [L]..... **3**
- C. Mathematical Applications [MA]..... **3-6**
  - Requires a course in college mathematics (MAT140, MAT141, MAT142, MAT145, MAT146) or college algebra (MAT150, MAT151, MAT152, MAT155, MAT156) or pre calculus (MAT187) or higher [MA]-approved general education course.
- D. Computer/Statistics/Quantitative Applications [CS]..... **3**
- E. Humanities, Arts and Design [HU]..... **6**
  - Students are encouraged to choose course work from more than one discipline.
- F. Social-Behavioral Sciences [SB]..... **6**
  - Students are encouraged to choose course work from more than one discipline.
- G. Natural Sciences [SQ/SG]..... **8**
  - The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement.
- H. Awareness Areas..... **0-6**
  - Courses may be used to satisfy other AGEC requirements and one or more Awareness Area(s). (See AGEC matrix for current course values.)
  - 1. Cultural Diversity in the United States [C]..... (0-3)
  - 2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

Credits

**Arizona General Education Curriculum - Business (AGEC-B)..... 35 (min.)\***

The AGECE-B requires a minimum of 35 credits (32 if FYC is met by single transfer course)\*, however, the AGECE credit count within the total credits for a degree may be lower if courses are also applied toward Required Courses or Restricted Electives and the credits are counted in those areas. Credits count once toward the total for the degree. Therefore, the AGECE-B may be met with fewer than 35 credits (fewer than 32 if FYC is met by single transfer course)\* within an associate degree provided that all requirements listed below are completed.

Courses applied to meet AGECE-B requirements vary by emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGECE requirements, Required Course(s) or Restricted Elective(s). AGECE designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGECE matrix](#) for each course's value(s) in the semester it is taken.

- A. First-Year Composition [FYC]..... **6\***
  - ENG101 OR ENG107 AND..... (3)\*
  - ENG102 OR ENG108..... (3)\*
- B. Literacy and Critical Inquiry [L]..... **3**
- C. Mathematical Applications [MA]..... **3-5**
  - MAT212 Brief Calculus OR..... (3)
  - MAT213 Brief Calculus OR..... (4)
  - Higher [MA] designated course..... (3-5)
- D. Computer/Statistics/Quantitative Applications [CS]..... **3**
  - CIS105 Survey of Computer Information Systems
- E. Humanities, Arts and Design [HU]..... **6**
  - Students are encouraged to choose course work from more than one discipline.
- F. Social-Behavioral Sciences [SB]..... **6**
  - ECN211 Macroeconomics AND ECN212 Microeconomics
- G. Natural Sciences [SQ/SG]..... **8**
  - The lecture courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory courses for a total of four credits each. Credits for lecture and lab components may be combined or each may carry separate credit. At least four credits must be designated as SQ-Science Quantitative. Eight credits of SG-Science General will not satisfy this requirement.
- H. Awareness Areas..... **0-6**
  - Courses may be used to satisfy other AGECE requirements and one or more Awareness Area(s). (See [AGECE matrix](#) for current course values.)
  - 1. Cultural Diversity in the United States [C]..... (0-3)
  - 2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

Credits

**Arizona General Education Curriculum--Science (AGEC-S)..... 36 (min.)\***

The AGEC-S requires a minimum of 36 credits (33 if FYC is met by single transfer course)\*, however, the AGEC credit count within the total credits for a degree may be lower if courses are also applied toward Required Courses or Restricted Electives and the credits are counted in those areas. Credits count once toward the total for the degree. Therefore, the AGEC-S may be met with fewer than 36 credits (fewer than 33 if FYC is met by single transfer course)\* within an associate degree provided that all requirements listed below are completed.

Courses applied to meet AGEC-S requirements vary by emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGEC requirements, Required Course(s) or Restricted Elective(s). AGEC designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

- A. First-Year Composition [FYC]..... **6\***
  - ENG101 OR ENG107..... (3)\*
  - AND ENG102 OR ENG108..... (3)\*
- B. Literacy and Critical Inquiry [L]..... **0-3\*\***

Students are strongly encouraged to choose an [L] course that also has [HU] or [SB] designation or to use CRE101 or COM225 from the Maricopa Additional Requirements Area to satisfy the [L] requirement. It may also have been approved to satisfy one or more Awareness Areas ([C], [G], [H]). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- C. Mathematical Applications [MA]..... **4-5**

Requires the first semester of calculus courses designed for scientists and engineers (MAT220 or MAT221) or any other [MA] designated course for which Calculus I is a pre-requisite.
- D. Humanities, Arts and Design [HU]..... **6**

For the AGEC-S, a single course with both [HU] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well. (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- E. Social-Behavioral Sciences [SB]..... **6**

For the AGEC-S, a single course with both [SB] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well. (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- F. Natural Sciences [SQ/SG]..... **8-10**

Students must complete eight (8) credits of General Chemistry, University Physics, General Biology for Majors, or Physical and Historical Geology. Consult specific requirements of university transfer major for guidance.

  - [(CHM150 or CHM151) & CHM151LL] or
  - CHM150AA or CHM151AA General Chemistry I
  - AND
  - [CHM152 & CHM152LL] or CHM152AA General Chemistry II
  - OR**
  - PHY115 or PHY121 University Physics I
  - AND

PHY116 or PHY131 University Physics II

**OR**

BIO181 or BIO181XT General Biology (Majors) I

AND

BIO182 or BIO182XT General Biology (Majors) II

**OR**

GLG101IN Introduction to Geology I - Physical or

GLG101 Introduction to Geology I - Physical Lecture and

GLG103 Introduction to Geology I – Physical Lab

AND

GLG102IN Introduction to Geology II – Historical or

GLG102 Introduction to Geology II - Historical Lecture and

GLG104 Introduction to Geology II – Historical Lab

G. Subject Options - Math/Science..... **6-10**

Refer to transfer resources, including academic advisement and transfer guides, to select six (6)-ten (10) additional math and/or science credits that meet requirements for selected major.

Select Mathematics course(s) [MAT] above Calculus I and/or

Computer Science course(s) [CSC] and/or

Science courses from the following disciplines: Astronomy, Biology,

Botany, Chemistry, Engineering, Environmental Science, Geology,

Physical Geography, Physics, Zoology (MCCCD prefixes AST, BIO

(except BIO174), CHM, ECE, EEE, ENV, GLG, GPH, and/or PHY)

H. Awareness Areas..... **0-6**

Courses may be used to satisfy other AGEC requirements and one or more Awareness Area(s). (See [AGEC matrix](#) for current course values.)

1. Cultural Diversity in the United States [C]..... (0-3)

2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\*0 only if shared with HU or SB

## AGEC Area Requirements Descriptions/Definitions

### First-Year Composition (FYC)

First-Year Composition courses emphasize skills necessary for college-level expository writing, including correct grammar and punctuation, logical organization of ideas, and identification of supporting documentation.

### Literacy and Critical Inquiry [L]

In the [L] course students, typically at the sophomore level, gather, interpret, and evaluate evidence and express their findings in writing or speech. This course includes a series of graded written or spoken formal assignments.

Literacy is defined broadly as communicative competence in written and oral discourse; critical inquiry is defined as the gathering, interpreting, and evaluating of evidence. Building on the proficiency attained in traditional First-Year Composition courses, the Literacy and Critical Inquiry [L] requirement sustains and extends students' ability to thoughtfully use and critically analyze written and/or spoken language.

### Mathematical Applications [MA]

The Mathematical Studies requirement is intended to ensure that students have requisite skill in mathematics appropriate for their discipline and can apply mathematical analysis in their chosen fields.

### **Computer/Statistics/Quantitative Applications [CS]**

AGEC-A and AGECE-B require a course that emphasizes the use of statistics, other mathematical methods, computer programming languages and/or software in the interpretation of data and in describing and analyzing quantitative relationships.

### **Humanities, Arts and Design [HU]**

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the production of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis in fine arts and design are devoted to the study of aesthetic experiences and the processes of artistic creation. They may also feature a design emphasis in which material culture is studied as a product of human thought and imagination.

### **Social-Behavioral Sciences [SB]**

Social-Behavioral Sciences provide scientific methods of inquiry and empirical knowledge about human behavior, both within society and within individuals. This area of emphasis in general education curriculum may include study of such disciplines as anthropology, economics, history, political science, psychology, or sociology. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a complex and evolving world.

**Natural Sciences [SQ/SG]** In addition to an understanding of basic scientific principles and concepts, courses in the Natural Sciences are designed to help students appreciate, from firsthand laboratory and/or field research experience, the nature of science as a process that embraces curiosity, inquiry, testing, and communication to better understand natural phenomena. At least one of the two natural science courses must include an introduction to the fundamental behavior of matter and energy in physical or biological systems.

### **AWARENESS AREAS**

Students must satisfy two Awareness areas: Cultural Diversity in U.S. and either Global Awareness or Historical Awareness. Courses can satisfy other AGECE requirements and one or two Awareness areas simultaneously. Therefore, no additional semester credits are required to satisfy the two Awareness areas.

### **Cultural Diversity in the United States [C]**

The contemporary "culture" of the United States involves the complex interplay of many different cultures that exist side by side in various states of harmony and conflict. U.S. history involves the experiences not only of different groups of European immigrants and their descendants, but also of diverse groups of American Indians, Hispanic Americans, African Americans and Asian Americans--all of whom played significant roles in the development of contemporary culture and together shape the future of the United States. At the same time, the recognition that gender, class, and religious differences cut across all distinctions of race and ethnicity offers an even richer variety of perspectives from which to view one. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present, and future and can help to foster greater mutual understanding and respect.

The objective of the Cultural Diversity area requirement is to promote awareness of and appreciation for cultural diversity within the contemporary United States. This is accomplished through the study of the cultural, social, or scientific contributions of women and minority groups, examination of their experiences in the United States, or exploration of successful or unsuccessful interactions between and among cultural groups.

### **Global Awareness [G]**

Human organizations and relationships have evolved from being family and village centered to the modern global interdependence that is apparent in many disciplines--for example, contemporary art, business, engineering, music, and the natural and social sciences. Many serious local and national problems are world issues that require solutions which exhibit mutuality and reciprocity. These problems occur in a wide variety of activities, such as food supply, ecology, health care delivery, language planning, information exchange, economic and social developments, law, technology transfer, and even philosophy and the arts. The Global Awareness Area recognizes the need for an understanding of the values, elements, and social processes of cultures other than the culture of the United States. The Global Awareness Area includes courses that recognize the nature of other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

Courses that satisfy the global awareness option in the requirements are of one or more of the following types:

1. Area studies that are concerned with an examination of culture-specific elements of a region of the world;
2. The study of a non-English language;
3. Studies of international relationships, particularly those in which cultural change is facilitated by such factors as social and economic development, education, and the transfer of technology; and
4. Studies of cultural interrelationships of global scope such as the global interdependence produced by problems of world ecology.

### **Historical Awareness [H]**

The Historical Awareness Area option in the requirements aims to develop a knowledge of the past that can be useful in shaping the present and future. Because historical forces and traditions have created modern life and lie just beneath its surface, historical awareness is an aid in the analysis of present-day problems. Also, because the historical past is a source of social and national identity, historical study can produce intercultural understanding by tracing cultural differences to their origins. Even the remote past may have instructive analogies for the present.

The Historical Awareness Area consists of courses that are historical in method and content. In this area, the term “history” designates a sequence of past events or a narrative whose intent or effect is to represent such a sequence.

The requirement presumes that these are human events and that history includes all that has been felt, thought, imagined, said, and done by human beings. History is present in the languages, art, music, literature, philosophy, religion, and the natural sciences, as well as in the social science traditionally called history.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in General Studies (AGS) Degree and General Education Requirements**

**Description**

The Maricopa County Community College District Associate in General Studies degree requires 60-64 semester credits in courses numbered 100 and above. The degree includes the following components:

- I. General Education (minimum of 38 credits)
  - Core curriculum (requires a grade of “C” or better)
  - Distribution courses (requires a grade of “D” or better)
- II. General Electives (enough additional courses numbered 100 or above, passed with a grade of “D” or better, to bring total credits to at least 60)

**Purpose of the Degree**

The Associate in General Studies (AGS) degree is recommended for students whose educational goals require flexibility. The degree allows students to apply any course numbered 100 or above, including some that are not transferable to the Arizona public universities and may not be transferable to other universities, toward the credits required for the degree. Therefore, for students who intend to transfer to another college or university in the future to pursue a bachelor’s degree, this degree may be less appropriate than other associate degrees offered (Associate in Arts; Associate in Arts, Elementary Education; Associate in Fine Arts; Associate in Business-General Requirements; Associate in Business-Special Requirements; Associate in Science; and all emphases under these degrees), by the Maricopa Community Colleges.

**Academic Policies that Govern the Associate in General Studies Degree:**

- The graduation policies within the general catalog must be satisfied (Administrative Regulation 2.3.9).
- A single course can simultaneously count towards a Core Area and a Distribution requirement. Courses that meet this criterion are **bold print and underscored** in the Core areas and Distribution areas (on the course list at the conclusion of this document). For example, CRE101 may be used to satisfy both the Literacy and Critical Inquiry requirement [L] of Distribution area and the Core Curriculum’s Critical Reading area. While multiple requirements can be met with a single course, the credits are only counted one time toward the required minimum for the degree. A course cannot satisfy more than one Core area, even if it is approved for more than one Core area. A course cannot satisfy more than one Distribution area, even if it is approved for more than one Distribution area.
- Credits transferred from outside of MCCCD must be at a grade of “C” (2.0 on a 4.0 scale) or better. Transfer credit graded pass/fail or pass/no credit may be transferred if documentation collected by the community college indicates that this was the only grading option available to the student and that the Pass grade (“P”) is equivalent to a “C” or better.
- Completion of the AGS with a minimum Grade Point Average of at least 2.0 on a 4.0 scale for Arizona residents and 2.50 for non-residents meets Arizona public university general admission requirements. However, meeting all AGS minimums does not ensure admission to specific university majors or programs with selective admission processes and/or limited enrollment. Furthermore, because the AGS is not designed to align with the requirements for bachelors degrees, not all credits may be transferable and students may have deficiencies in lower division (100- and 200-level) courses for a particular major.

**Summary of Degree Requirements:**

Details on how to identify courses approved for each of the different categories is described following the outline.

|  |        |
|--|--------|
| <b>I. MCCCD General Education</b> .....  | 35-48* |
| <b>Core Areas</b> .....                  | 13-19  |
| 1. First-Year Composition .....          | 6*     |
| ENG101 OR ENG107 AND<br>ENG102 OR ENG108 |        |
| 2. Mathematics .....                     | 3-6    |



- 3. Computer Usage ..... 1
- 4. Oral Communication ..... 3
  - COM100 Introduction to Human Communication OR
  - COM110 Interpersonal Communication OR
  - COM225 Public Speaking OR
  - COM230 Small Group Communication (3 credits) OR
  - COM100AA & COM100AB & COM100AC (3 credits) OR
  - COM110AA & COM110AB & COM110AC (3 credits)
- 5. Critical Reading ..... 0-3
 

Students may demonstrate proficiency through assessment.

  - CRE101 Critical Reading OR
  - equivalent as indicated by assessment

**Distribution Areas** ..... 22-29

- 1. Humanities, Arts and Design ..... 9
 

Students are encouraged to choose course work from more than one discipline.
- 2. Social-Behavioral Sciences ..... 6-9
 

Students are encouraged to choose course work from more than one discipline. Social-Behavioral Sciences requirements may be met with 6 credits only if COM100, COM110, or COM230 is shared between Core and Distribution (see Academic Policies section on prior page). The credits are only counted once, but may be applied to meet Oral Communication and Social-Behavioral Science requirements.
- 3. Natural Sciences ..... 7-8
 

Two lecture courses and one corresponding laboratory course are to be selected. Credits for lecture and lab components may be combined or each may carry separate credit. For appropriate course selection students should consult with an academic advisor.
- 4. Literacy and Critical Inquiry ..... 0-3
 

Literacy requirement may be met with 0 credits only if CRE101 or COM225 is shared between Core and Distribution (see Academic Policies section on prior page). The credits are only counted once, but may be applied to meet [Oral Communication and Literacy] or [Critical Reading and Literacy and Critical Inquiry] requirements.

**II. General Electives** ..... 13-26  
 Select additional courses 100-level or higher to complete a minimum of 60 semester credits but no more than a total of 64 semester credits.

**Associate in General Studies Total Credits:** ..... 60-64

\*First-Year Composition may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

All courses listed meet AGS requirements as specified.  
Courses in Purple Italic Underline also meet Arizona  
General Education Curriculum AGEC requirements.

Courses in **bold print and underscored** simultaneously  
count towards a Core Area and a Distribution requirement.

### AGS GENERAL EDUCATION CORE

(16 credits - grade of "C" or better)\*

#### First-Year Composition (6 credits)\*

ENG English [101, 107] & [102, 108]

#### Oral Communication (3 credits)

COM Communication 100, 100AA & 100AB & 100AC, 110, 110AA & 110AB & 110AC, 225, 230

#### Critical Reading (3 credits)

CRE Critical Reading 101 or Equivalent as indicated by assessment

#### Mathematics (3 credits)

MAT Mathematics 112, 114, 115, 120, 121, 122, 126, 140, 141, 142, 145, 146, 150, 150&182, 151, 151&182, 152, 152&182, 155, 155&182, 156, 156&182, 172, 187, 206, 212, 213, 217, 218, 220, 221, 225, 227, 230, 231, 240, 241, 256, 257, 261, 276, 277,

Equivalent course/ Satisfactory completion of a higher level Mathematics course.

#### Computer Usage (1 credit)

Computer-related course or demonstration of comparable computer skills. Additional courses may be approved by individual colleges. Students should contact their advisor for college-specific courses satisfying the requirement.

ACC Accounting 115  
ADA Advertising Arts 169, 175, 177, 183, 283, 289  
AJS Administration of Justice Studies 205  
ARC Architecture 243, 244, 245  
ART Art 100, 169, 170, 173, 175, 177, 179, any 180++ course, 183, 283, 289  
BIO Biology 283  
BPC Business-Personal Computers Any BPC Course(s), including 110  
CIS Computer Information Systems Any CIS Course(s), including 105, 162AB, 162AD, 163AA (and except 159, 162AC, 217AM, 259, )  
CSC Computer Science Any CSC Course(s), including 100AA, 100AB, 110, 110AA, 110AB, 120, 150, 150AA, 180, 180AA, 180AB, 181, 181AA, 181AB, 182, 182AA, 205, 205AA, 205AB, 205AC, 205AD, 283 (and except 200, 200AA, 200AB, 210, 210AA, 210AB)  
CTR Court Reporting 101, 102  
DFT Drafting Technology 105AA\*\*, 251, 254AA  
\*\*Must be taken with CSC100AA or AB to meet AGEC value  
ECH Early Childhood Education 238  
EDU Education 115  
(Continued in next column)

(Computer Usage Continued)

EED Early Education 115

EEE Electrical Engineering 120  
ELE Electronic 131, 181, 241, 243, 245  
ELT Electronic Technology 131, 243  
ENG English 100AE  
FON Food & Nutrition 100  
GBS General Business 221  
GIS Geographic Information Science 205, 211  
HRM Hotel Restaurant Management 126  
JRN Journalism 133  
LAS Paralegal Studies 229  
MAT Mathematics 206  
MTC Music Theory/Composition 180, 191  
NET Networking Technology 181  
OAS Office Automation Systems 111AA  
PSY Psychology 230  
SWU Social Work 225

### AGS GENERAL EDUCATION DISTRIBUTION AREAS (28-29 credits – grade of "D" or better)

#### Humanities, Arts and Design (9 credits)

Students are encouraged to choose courses from more than one discipline.

AHU Arabic Humanities 245  
AIS American Indian Studies 213  
AJS Administration of Justice Studies 123  
ARH Art Humanities Any ARH Course(s), including 100, 101, 102, 109, 110, 112, 115, 118, 145, 201, 203, 204, 217, 216, 240, 250  
ART Art 131  
ASB Anthropology 211, 214, 220, 222, 223, 253  
CCS Chicana and Chicano Studies 101  
COM Communication 241  
CON Construction 101(formerly CNS101)  
DAH Dance Humanities 100, 201, 250, 255  
EDU Education 230 (eff. Spring '22), 291, 292, 294  
ENG English 200, 213, 218  
ENH English Humanities Any ENH Course(s), including 110, 111, 112, 113, 114, 117, 130, 140AA, 190, 201, 202, 204, 206, 214, 221, 222, 230, 231, 232, 235, 241, 242, 245, 251, 253, 254, 255, 256, 259, 260, 275, 277, 277AG, 277AA-AK, 280, 284, 285, 291, 294, 295 (and except 250)  
FRE French 265  
GST Game Studies 202  
HCR Health Care Related 210  
HIS History 101, 102, 103, 108, 110, 111, 113, 114, 203, 212, 251, 252  
HON Honors 190  
HUM Humanities Any HUM course(s), including 100, 101, 107, 108, 190AA, 190AB, 190AC, 190AD, 190AE, 190AF, 190AG, 190AH, 190AI, 201, 202, 205, 206, 209, 210, 211AA, 211AE, 212, 213, 214, 215, 216, 220, 235, 245, 250, 251, 260, 261, 292, 295 (and except 120, 225)  
INT Interior Design 115, 120  
LAT Latin 201, 202  
MHL Music: History/Literature 140, 143, 145, 146, 153, 155, 194, 204, 241, 242, 295  
(Continued on next page)

(Humanities, Arts, and Design Continued)

PHI Philosophy Any PHI Course(s), including 101, 103, 104, 105, 201, 212, 213, 214, 215, 216, 218, 224, 233AA, 233AB, 233AC, 244, 245, 250, 251, 282AC

|     |   |     |   |
|-----|---|-----|---|
| REL | Religious Studies Any REL Course(s), <a href="#">100, 101, 151, 200, 202, 203, 205, 206, 207, 210, 211, 212, 213, 214, 218, 223, 225, 230, 240, 244, 245, 248, 250, 251, 270, 271, 277, 292, 294, 295, 282AA-AC, 290, 291</a> | REC | Recreation <a href="#">120</a>  |
| SLC | Studies in Language & Culture <a href="#">201, 202</a>  | SBU | Society and Business <a href="#">200</a>  |
| SPA | Spanish <a href="#">241, 242, 265, 266</a>  | SLC | Studies in Language & Culture <a href="#">201</a>   |
| SPH | Spanish Humanities <a href="#">241, 245</a>   | SOC | Sociology Any SOC course(s), including <a href="#">101, 110, 130, 141, 157, 180, 212, 220, 241, 251, 266, 270</a> (and except 143, 245, 253, 265) |
| SSH | Sustainability/Social Sciences and Humanities <a href="#">111</a>   | SSH | Sustainability/Social Sciences and Humanities <a href="#">111</a>   |
| STO | Storytelling <a href="#">292, 294</a>   | SUS | Sustainability/Natural Sciences <a href="#">110</a>   |
| SWU | Social Work <a href="#">183</a>   | SWU | Social Work <a href="#">171, 182, 250, 258, 295</a>   |
| TEC | Textiles and Clothing <a href="#">105</a>   | TEC | Textiles and Clothing <a href="#">105</a>   |
| THE | Theater <a href="#">111, 220</a>  | WED | Wellness Education <a href="#">110</a>  |
| THF | Theatre and Film <a href="#">205, 206, 210</a>  | WST | Women's Studies <a href="#">100, 161</a>  |
| THP | Theater/Performance/Production <a href="#">217, 241</a>   | YAQ | Yaqui Indian History and Culture <a href="#">100</a>  |
| WST | Women's Studies <a href="#">209, 284, 285, 290</a>  |     |   |

### Social-Behavioral Sciences (6-9 credits)

Students are encouraged to choose courses from more than one discipline. Social-Behavioral Sciences requirements may be met with 6 credits only if COM100, COM110, or COM230 is shared between Core and Distribution (see Academic Policies section). The credits are only counted once, but may be applied meet Oral Communication and Social-Behavioral Science requirements.

|     |   |
|-----|---|
| AFR | African American Studies <a href="#">202, 203, 204</a>  |
| AIS | American Indian Studies <a href="#">101, 140, 141, 160</a>  |
| AJS | Administration of Justice Studies <a href="#">101, 119, 200, 225, 258, 270</a>  |
| ASB | Anthropology <a href="#">100, 102, 202, 211, 222, 223, 226, 230, 235, 252</a>   |
| ASM | Anthropology <a href="#">104/275</a>  |
| BHS | Behavioral Health Services Technology <a href="#">150, 210</a>  |
| CCS | Chicana and Chicano Studies <a href="#">202</a>   |
| CFS | Child/Family Studies <a href="#">112, 157, 159, 176, 205, 235, 259</a>  |
| COM | Communication <a href="#">100, 100AA&amp;100AB&amp;100AC, 110, 110AA&amp;110AB&amp;110AC, 163, 230, 250, 263</a>  |
| CPD | <a href="#">180</a>   |
| ECH | Early Childhood Education <a href="#">176</a>   |
| ECN | Economics <a href="#">160, 211, 212, 213, 250</a>   |
| EDU | Education <a href="#">221, 222</a>  |
| EED | Early Education <a href="#">200, 205, 222</a>   |
| EMT | Emergency Medical Technology <a href="#">258</a>  |
| ENG | English <a href="#">213</a>   |
| FOR | Forensic Science <a href="#">275</a>  |
| FSC | Fire Science Technology <a href="#">258</a>   |
| GCU | Cultural Geography <a href="#">102, 113, 121, 122, 141, 221</a>   |
| HES | Health Science <a href="#">100</a>  |
| HIS | History any HIS Course(s), including <a href="#">100, 101, 102, 103, 104, 105, 106, 108, 109, 113, 114, 140, 145, 173, 190, 201, 203, 204, 209, 240, 241, 242, 273, 277</a> (and except 111, 170, 251, 252) |
| HON | Honors <a href="#">201</a>  |
| HUM | Humanities <a href="#">235</a>  |
| IBS | International Business <a href="#">109</a>  |
| IFS | Information Studies <a href="#">201, 210, 213</a>   |
| MCO | Mass Communications <a href="#">120</a>   |
| MGT | Management <a href="#">229, 230</a>   |

(Continued in next column)

(Social-Behavioral Sciences Continued)

|     |  |
|-----|--|
| PAD | Public Administration <a href="#">200</a>  |
| POS | Political Science Any POS course(s), including <a href="#">100, 101, 110, 113, 114, 115, 120, 125, 130, 140, 180, 210, 221, 222, 223, 281AB, 282AA-AC, 285</a> |
| PSY | Psychology <a href="#">101, 123, 132, 156, 157, 215, 218, 225,</a>   |

|     |   |
|-----|---|
|     | <a href="#">235, 240, 241, 243, 250, 260, 262, 266, 277, 280, 292</a>   |
| REC | Recreation <a href="#">120</a>  |
| SBU | Society and Business <a href="#">200</a>  |
| SLC | Studies in Language & Culture <a href="#">201</a>   |
| SOC | Sociology Any SOC course(s), including <a href="#">101, 110, 130, 141, 157, 180, 212, 220, 241, 251, 266, 270</a> (and except 143, 245, 253, 265) |
| SSH | Sustainability/Social Sciences and Humanities <a href="#">111</a>   |
| SUS | Sustainability/Natural Sciences <a href="#">110</a>   |
| SWU | Social Work <a href="#">171, 182, 250, 258, 295</a>   |
| TEC | Textiles and Clothing <a href="#">105</a>   |
| WED | Wellness Education <a href="#">110</a>  |
| WST | Women's Studies <a href="#">100, 161</a>  |
| YAQ | Yaqui Indian History and Culture <a href="#">100</a>  |

### Natural Sciences (7-8 credits)

Two lecture courses and one corresponding laboratory course are to be selected. The lecture and corresponding laboratory course(s) may carry separate credit. For appropriate course selection students should consult with an advisor.

|     |   |
|-----|---|
| AGS | Agricultural Science <a href="#">164, 260</a>   |
| ASB | Anthropology <a href="#">231</a>  |
| ASM | Anthropology <a href="#">104, 265, 275</a>  |
| AST | Astronomy <a href="#">101, 106, 111, 112</a>  |
| BIO | Biology <a href="#">100, 101, 102, 105, 107, 108, 109, 111, 145, 149AF, 149AH, 149AK, 149AL, 149AM, 149AN, 156, 156XT, 160, 181, 181XT, 182, 182XT, 201, 201XT, 202, 205, 241</a> |
| CHM | Chemistry <a href="#">107&amp;107LL, 130&amp;130LL, 130AA, 150&amp;151LL, 150AA, 151&amp;151LL, 151AA, 152&amp;152LL, 152AA, 154&amp;154LL, 230&amp;230LL</a>                     |
| CON | Construction <a href="#">106 (formerly CNS106)</a>  |
| ENV | Environmental Sciences <a href="#">101</a>  |
| FON | Food and Nutrition <a href="#">241&amp;241LL</a>  |
| FOR | Forensic Science <a href="#">105, 106, 275</a>  |
| GLG | Geology <a href="#">101&amp;103, 101IN, 102&amp;104, 102IN, 105, 106, 110&amp;111, 110IN, 121, 140, 229AB-AC, 230AA-AC, 231AA-AD, 280, 281, 282AA</a>                             |
| GPH | Physical Geography <a href="#">111&amp;112, 113, 211, 212&amp;214, 213&amp;215</a>  |
| PHS | Physical Science <a href="#">110, 115, 120</a>  |
| PHY | Physics <a href="#">101, 101AA, 111, 111AA, 112, 115, 116, 121, 131</a>   |
| PSY | Psychology <a href="#">275, 290AB, 290AC</a>  |

### Literacy and Critical Inquiry (0-3 credits)

Literacy requirements may be met with 0 credits only if CRE101 or COM225 is shared between Core and Distribution (see Academic Policies section). The credits are only counted once, but may be applied to meet [Critical Reading and Literacy and Critical Inquiry] or [Oral Communication and Literacy and Critical Inquiry] requirements.

|     |  |
|-----|--|
| AIS | American Indian Studies <a href="#">203, 213</a> |
| COM | Communication <a href="#">222, 225, 241</a>      |

(Continued on next page)

(Literacy and Critical Inquiry Continued)

|     |   |
|-----|---|
| CPD | Counseling and Personal Development <a href="#">160</a> |
| CRE | Critical Reading <a href="#">101, 201</a>               |
| CUL | Culinary Arts <a href="#">223</a>                       |
| DAH | Dance Humanities <a href="#">255</a>                    |
| EDU | Education <a href="#">282AC</a>                         |
| ENG | English <a href="#">111, 200, 215, 216, 217, 218</a>    |

ENH English Humanities [241](#), [254](#), [255](#), [277AG](#)  
EXS Exercise Science [290](#)  
FON Food and Nutrition [225](#)  
GBS General Business [233](#)  
GPH Physical Geography [267](#)  
HUM Humanities [225](#), [235](#), [250](#), [251](#)  
IFS Information Studies [201](#)  
JRN Journalism [201](#), [215](#), [234](#)  
MCO Mass Communications [220](#)  
MHL Music: History/Literature [204](#)  
PHI Philosophy [103](#), [218](#), [224](#), [244](#)  
POS Political Science [115](#)  
PSY Psychology [290AB](#), [290AC](#)  
REL Religious Studies [203](#), [205](#), [207](#), [244](#)  
SLC Studies in Language & Culture [202](#)  
THE Theatre [220](#)  
THP Theatre Performance/Production [241](#)

**Elective Courses (15-22 credits)** May select courses from prefixes already chosen for General Education Distribution requirements in order to develop depth in one or more subject areas.

\*First-Year Composition may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

**Maricopa County Community College District (MCCCD)  
2021-2022 Associate in Science (AS) Degree**

**Description**

The Maricopa County Community College District Associate in Science (AS) degree requires a minimum of 60 semester credits for the program of study; minimum total credits for vary by specific emphasis (for example, Associate in Science, Emphasis in Physics). Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for credit minimums for individual degree programs by emphasis. A minimum grade point average of 2.0 is required to earn the degree. The AS degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

The Associate in Science degree includes the following components:

- I. Program Prerequisites (if applicable, for versions with an emphasis only)
- II. Required Courses (for versions with an emphasis only)
- III. Restricted Electives (for versions with an emphasis only)
- IV. Arizona General Education Curriculum for Science (AGEC-S)
- V. MCCCD Additional Requirements (Oral Communication and Critical Reading)
- VI. General Electives (if needed to reach minimum credits for degree)

**Purpose of the Degree**

The Associate in Science (AS) degree is designed for students planning to transfer to four-year colleges and universities. In general, the components of the degree meet requirements for majors with more stringent mathematics and mathematics-based science requirements. Generally, the degree will transfer as a block without loss of credit to Arizona's public universities and other institutions with district-wide articulation agreements.

In most cases, courses used to satisfy the MCCCD Associate in Science (AS) will apply to general university graduation requirements of the majors that align with the AS degree; however, students need to be aware of any specific requirements of their intended major at the university to be sure they select courses that will meet them. Information regarding the articulation of the AS with majors at the Arizona public universities can be accessed via the following website: [www.aztransfer.com](http://www.aztransfer.com)

It is recommended that students select courses that meet more than one general education and/or awareness area requirement. Doing so will maximize the number of math and science electives the student can take as part of his/her Associate in Science degree.

**Special Academic Policies that Govern the Associate in Science Degree**

- The AGEC-S does not require a course with [CS] Computer/Statistics designation.
- Unlike the AGEC-A and AGEC-B, the same course is allowed to satisfy the ([L] and [HU]) or ([L] and [SB]) areas of the AGEC-S's Core Area. The credits for such a "shared" course are only counted one time toward the required minimum for the degree.

**Degree Requirements**

The requirements for the Associate in Science follow. All versions of the Associate in Science require at least 60 credits; for major-specific pathways within the degree, prescribed courses and minimum credits for categories within the degree, as well as the total, vary. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for credit minimums for major-specific pathways within the degree. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: [AGEC-S](#) and the [AGEC Matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the "Find a Class" tool on each MCCCD college's website.

**Requirements**

**Credits**

**I. Program Prerequisites.....** **Number varies**  
Program prerequisites for the Associate in Science degree vary by specific emphasis, and are not required for the version of the degree without a specific emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific courses and credit minimums by emphasis.

**II. Required Courses.....** **Number varies**  
Required (major-specific) courses for the Associate in Science degree vary by specific emphasis, and are not required for the version of the degree without a specific emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific courses and credit minimums by emphasis.

**III. Restricted Electives.....** **Number varies**  
Restricted electives for the Associate in Science degree vary by specific emphasis, and are not required for version of the degree without a specific emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific courses and credit minimums by emphasis.

**IV. Arizona General Education Curriculum—Science (AGEC-S).....** **up to 56**  
The AGECS requires a minimum of 36 credits (33 if FYC is met by single transfer course)\*, however, prerequisite/required/restricted elective courses may also meet AGECS requirements and credits count once toward the total for the degree. Therefore, the AGECS may be met with fewer than 36 credits (33 if FYC is met by single transfer course)\* as long as all requirements listed in this section (IV) are completed.

Courses applied to meet AGECA requirements vary by emphasis. Refer to the Program (Degree) Search at [curriculum.maricopa.edu](http://curriculum.maricopa.edu) for specific course requirements. Some courses may be met by Required Courses or Restricted Electives. Some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as other AGECS requirements, Required Course(s) or Restricted Elective(s). AGECS designations are subject to change. Courses may meet more than one requirement but are only counted once toward the total credits for the degree. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.

- A. First-Year Composition [FYC]..... **6\***
  - ENG101 OR ENG107..... (3)\*
  - AND ENG102 OR ENG108..... (3)\*
- B. Literacy and Critical Inquiry [L]..... **0-3\*\***

Students are strongly encouraged to choose an [L] course that also has [HU] or [SB] designation or to use CRE101 or COM225 from the Maricopa Additional Requirements Area to satisfy the [L] requirement. It may also have been approved to satisfy one or more Awareness Areas ([C], [G], [H]). (AGECS designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- C. Mathematical Applications [MA]..... **4-5**

Requires the first semester of calculus courses designed for scientists and engineers (MAT220 or MAT221) or any other [MA] designated course for which Calculus I is a pre-requisite.
- D. Humanities, Arts and Design [HU]..... **6**

For the AGECS, a single course with both [HU] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness

Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as their respective Core Area(s). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)

- E. Social-Behavioral Sciences [SB]..... **6**  
 For the AGEC-S, a single course with both [SB] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as their respective Core Area(s). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- F. Natural Sciences [SQ/SG]..... **8-10**  
 Students must complete eight (8) to ten (10) credits of General Chemistry, University Physics, General Biology for Majors, or Physical and Historical Geology. Consult specific requirements of university transfer major for guidance.
- [(CHM150 or CHM151) & CHM151LL] or  
 CHM150AA or CHM151AA General Chemistry I  
 AND  
 [CHM152 & CHM152LL] or CHM152AA General Chemistry II  
 OR  
 PHY115 or PHY121 University Physics I  
 AND  
 PHY116 or PHY131 University Physics II  
 OR  
 BIO181 or BIO181XT General Biology (Majors) I  
 AND  
 BIO182 or BIO182XT General Biology (Majors) II  
 OR  
 GLG101IN Introduction to Geology I - Physical or  
 GLG101 Introduction to Geology I - Physical Lecture and  
 GLG103 Introduction to Geology I – Physical Lab  
 AND  
 GLG102IN Introduction to Geology II – Historical or  
 GLG102 Introduction to Geology II - Historical Lecture and  
 GLG104 Introduction to Geology II – Historical Lab
- G. Subject Options - Math/Science ..... **6-10**  
 Refer to transfer resources, including academic advisement and transfer guides, to select six (6)- ten (10) additional math and/or science credits that meet requirements for selected major.
- Select Mathematics course(s) [MAT] above Calculus I and/or  
 Computer Science course(s) [CSC] and/or  
 Science courses from the following disciplines: Astronomy, Biology,  
 Botany, Chemistry, Engineering, Environmental Science, Geology,  
 Physical Geography, Physics, Zoology (MCCCD prefixes AST, BIO  
 (except BIO174), CHM, ECE, EEE, ENV, GLG, GPH, and/or PHY)
- H. Awareness Areas..... **0-6**  
 Courses may be used to satisfy other AGEC requirements and one or more Awareness Area(s). (See [AGEC matrix](#) for current course values.)
1. Cultural Diversity in the United States [C]..... (0-3)
  2. Global Awareness [G] OR Historical Awareness [H]..... (0-3)
- V. MCCCD Additional Requirements..... **0-6**

Some courses in this area have [SB] and [L] designations and may also be applied to the corresponding AGEC requirements. See the [AGEC matrix](#) on [aztransfer.com](http://aztransfer.com) for course designations.

- A. Oral Communication..... (0-3)
  - COM100 [SB] Introduction to Human Communication OR
  - COM110 [SB] Interpersonal Communication OR
  - COM225 [L] Public Speaking OR
  - COM230 [SB] Small Group Communication (3 credits) OR
  - COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
  - COM110AA & COM110AB & COM110AC [SB] (3 credits)
- B. Critical Reading..... (0-3)
  - CRE101 [L] Critical Reading OR equivalent as indicated by assessment

**VI. General Electives..... 0-28**

Select courses 100-level or higher if needed to complete a minimum of 60 semester credits but no more than a total of 64 semester credits, which is the maximum number of credits accepted toward most degree programs at Arizona’s public universities. Ideally, students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations, and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer and major guides are accessible on the following websites: [aztransfer.com](http://aztransfer.com), [maricopa.edu/transfer/partners](http://maricopa.edu/transfer/partners), as well as those of individual universities. For appropriate course selection, students should consult with an academic advisor.

**TOTAL..... 60-64\*\*\***

\*FYC may be met with fewer than 6 credits if student has transfer credit from ASU, NAU or UAZ for a single course that meets FYC in full.

\*\* (0 only if shared with HU or SB)

\* 64 semester credits is the maximum accepted toward most degree programs at Arizona’s public universities. Some exceptions apply; consult with an academic advisor for additional transfer pathways.





## Accounting

Major: **3149** Primary College: **Phoenix College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, PV, RS, SC, SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Business/Management (03)**  
 Total Credits: **61-70** GPA: **2.00**  
 CIP Code: **52.0301**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**13-2011.01 Accountants**

**43-3011.00 Bill and Account Collectors**

**43-3031.00 Bookkeeping, Accounting, and Auditing Clerks**

**13-2031.00 Budget Analysts**

**13-2041.00 Credit Analysts**

**13-2081.00 Tax Examiners and Collectors, and Revenue Agents**

**13-2082.00 Tax Preparers**

**Description:** The Associate in Applied Science (AAS) in Accounting program is designed to provide fundamental skills for individuals planning to enter the field of accounting. Possible entry-level jobs for this program include accounting clerk, accounts payable/receivable clerk, claims clerk, payroll clerk, credit clerk, bookkeeper, accounting intern, tax preparation or comparable positions. This program may prepare students for certification in Certified Bookkeeper (CB), Enrolled Agent (EA), and Certified Payroll Professional (CPP). Certificates of Completion (CCL) in Accounting and Enrolled Agent are available.

## Learning Outcomes

1. Apply effective oral, written, and visual business communication skills. (GBS120, GBS233, [FYC], (COM))
2. Use basic mathematics and accounting principles to report the financial position of an organization. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC219, ACC221, ACC222, ACC230, ACC240, ACC+++++, GBS131, GBS220, GBS221, GBS261, [MA])
3. Apply current technology to specific business tasks. (ACC115, CIS105, CIS114DE)
4. Evaluate the legal, ethical and social implications of business decisions and their impact on various individuals, groups and societies. (ACC111, ACC121, ACC221, ECN211, ECN212, GBS151, GBS205, MGT101, MGT175, MGT229, SBU200, [HU])
5. Demonstrate critical thinking through written and oral formats. (ACC+++++, GBS120, GBS151, GBS205, GBS220, GBS233, SBU200, [FYC], [HU], [SG/SQ], (COM),(CRE))
6. Apply functions of modern business, including business principles, marketing, labor relations, and risk to business situations. (GBS151, GBS205, MGT101, MGT175, MGT229)
7. Apply principles and practices of accounting to analyze and interpret general purpose financial statements. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC219, ACC221,

ACC222, ACC230, ACC240, ACC+++++)

8. Apply basic rules of financial accounting to business transactions. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC219, ACC221, ACC222, ACC230, ACC240, ACC+++++)

9. Apply basic rules of managerial accounting to business decision making. (ACC212, ACC240)

10. Apply appropriate procedures to prepare individual, partnership, and corporate taxes, including tax reporting for income, payroll, sales, and personal property. (ACC105, ACC121, ACC221, ACC222)

11. Demonstrate an understanding of compliance in accounting, reporting and tax. (ACC105, ACC121, ACC221, ACC222, GBS205)

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### Program Notes

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Students must earn a grade of C or better in all courses in the program.

Consultation with an Academic Advisor is recommended for course selection.

**This program replaces:**

**[AAS/3130 Accounting-Specialized Para-Professional](#)**

**[AAS/3131 Accounting Paraprofessional](#)**

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**Program Prerequisites: None**

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### Required Courses

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**Credits: 33-36**

ACC111 Accounting Principles I (3) AND  
+ ACC230 Uses of Accounting Information I (3) AND  
+ ACC240 Uses of Accounting Information II (3)

OR

ACC111 Accounting Principles I (3) AND  
+ ACC112 Accounting Principles II (3) AND  
+ ACC212 Managerial Accounting (3)

OR

ACC211 Financial Accounting (3) AND  
+ ACC212 Managerial Accounting (3) 6-9

ACC105 Payroll, Sales and Property Taxes (3) OR  
+ ACC222 Payroll Accounting (3) 3

+ ACC115 Computerized Accounting 3

ACC121 Individual Tax Preparation (3) OR  
+ ACC221 Tax Accounting (3) 3

+ ACC219 Intermediate Accounting I 3

CIS114DE Excel Spreadsheet 3  
CIS105 Survey of Computer Information Systems 3  
GBS151 Introduction to Business 3  
GBS205 Legal, Ethical, and Regulatory Issues in Business 3

GBS120 Workplace Communication Skills (3) OR  
+ GBS233 Business Communication (3) 3

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## Restricted Electives

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Students must select six (6) credits from the list below:

**Credits:  
6**

ACC+++ Any additional ACC Accounting course(s) except ACC111, ACC112, ACC211, ACC212, ACC230, ACC240 0-6

GBS131 Business Calculations 3

+ GBS220 Quantitative Methods in Business 3

+ GBS221 Business Statistics 3

GBS261 Investments I 3

MGT101 Techniques of Supervision (3) OR

MGT175 Business Organization and Management (3) OR

MGT229 Management and Leadership I (3) 3

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## General Education Requirements

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### General Education Requirement

**Credits: 22-28**

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### General Education Core

**Credits: 12-18**

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### First-Year Composition

**Credits: 6**

+ ENG101 First-Year Composition (3) OR

+ ENG107 First-Year Composition for ESL (3) AND

+ ENG102 First-Year Composition (3) OR

+ ENG108 First-Year Composition for ESL (3) 6

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### Oral Communication

**Credits: 3**

COM100 Introduction to Human Communication (3) OR

COM110 Interpersonal Communication (3) OR

+ COM225 Public Speaking (3) OR

COM230 Small Group Communication (3) 3

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### Critical Reading

**Credits: 0-3**

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
Equivalent by assessment 0-3

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### Mathematics

**Credits: 3-6**

Any approved general education course from the Mathematics [MA] area. 3-6

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### General Education Distribution

**Credits: 10**

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**Humanities, Arts and Design****Credits: 3**

Any approved general education course from the Humanities, Arts and Design [HU] area. 3

**Social-Behavioral Sciences****Credits: 3**

ECN211 Macroeconomic Principles (3) OR  
 ECN212 Microeconomic Principles (3) OR  
 SBU200 Society and Business (3) 3

**Natural Sciences****Credits: 4**

Any approved general education course from the Natural Sciences area.

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



## Accounting

Major: **5665** Primary College: **Phoenix College**  
 First Term: **2021 Spring** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (03)**  
 Total Credits: **24-27** GPA: **2.00**  
 CIP Code: **52.0301**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**43-3011.00 Bill and Account Collectors**  
**43-3031.00 Bookkeeping, Accounting, and Auditing Clerks**  
**13-2041.00 Credit Analysts**  
**13-2081.00 Tax Examiners and Collectors, and Revenue Agents**

**Description:** The Certificate of Completion (CCL) in Accounting program is designed for students seeking to gain skills and knowledge in the field of accounting and tax. Possible entry-level positions for this program include accounting clerk, accounts payable/receivable clerk, claims clerk, credit clerk, bookkeeper, accounting intern, or comparable positions. An Associate in Applied Science (AAS) in Accounting and a Certificate of Completion (CCL) in Enrolled Agent are also available.

## Learning Outcomes

1. Use basic mathematics and accounting principles to report the financial position of an organization. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC221, ACC222, ACC230, ACC240)
2. Apply current technology to specific business tasks. (ACC115, CIS105, CIS114DE)
3. Evaluate the legal, ethical and social implications of business decisions and their impact on various individuals, groups and societies. (ACC111, ACC121, ACC221, GBS151)
4. Demonstrate critical thinking through written and oral formats. (GBS151)
5. Apply functions of modern business, including business principles, marketing, labor relations, and risk to business situations. (GBS151)
6. Apply principles and practices of accounting to analyze and interpret general purpose financial statements. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC221, ACC222, ACC230, ACC240)
7. Apply basic rules of financial accounting to business transactions. (ACC105, ACC111, ACC112, ACC115, ACC121, ACC211, ACC212, ACC221, ACC222, ACC230, ACC240)
8. Apply basic rules of managerial accounting to business decision making. (ACC212, ACC240)
9. Apply appropriate procedures to prepare individual, partnership, and corporate taxes, including tax reporting for income, payroll, sales, and personal property. (ACC105, ACC121, ACC221, ACC222)
10. Demonstrate an understanding of compliance in accounting, reporting and tax. (ACC105, ACC121, ACC221, ACC222)

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### Program Notes

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Students must earn a grade of C or better in all courses in the program.  
 + indicates course has prerequisites and/or corequisites  
 Consultation with an Academic Advisor is recommended for course selection.

#### **This program replaces:**

**CCL/5156 Accounting Specialized Para-Professional**  
**CCL/5157 Bookkeeping**

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#### **Program Prerequisites: None**

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### Required Courses

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|  |                       |
|--|-----------------------|
| ACC111 Accounting Principles I (3) AND<br>+ ACC230 Uses of Accounting Information I (3) AND<br>+ ACC240 Uses of Accounting Information II (3)<br>OR<br>ACC111 Accounting Principles I (3) AND<br>+ ACC112 Accounting Principles II (3) AND<br>+ ACC212 Managerial Accounting (3)<br>OR<br>ACC211 Financial Accounting (3) AND<br>+ ACC212 Managerial Accounting (3) 6-9<br><br>ACC105 Payroll, Sales and Property Taxes (3) OR<br>+ ACC222 Payroll Accounting (3) 3<br><br>ACC121 Individual Tax Preparation (3) OR<br>+ ACC221 Tax Accounting (3) 3<br><br>+ ACC115 Computerized Accounting 3<br>CIS114DE Excel Spreadsheet 3<br>CIS105 Survey of Computer Information Systems 3<br>GBS151 Introduction to Business 3 | <b>Credits: 24-27</b> |
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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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| <p>All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.</p> |
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## Administration of Justice

Major: **5007N** Initiating College: **Mesa Community College**  
 First Term: **2019 Fall** Program Availability: **CG, EM, GC, MC, PC, PV, RS, SC, SM**  
 Final Term: **Current** Field of Interest: **Behavioral Sciences and Human Services**

Award: **CCL** Instructional Council: **Administration of Justice Studies (01)**  
 Total Credits: **15** GPA: **2.0**  
 CIP Code: **43.0104**

SOC Code: **33-1012.00, 33-1012.00, 33-3052.00, 33-3021.00, 33-3021.02, 33-3051.01, 33-3051.00, 33-3012.00, 33-9032.00, 33-3051.04, 33-3021.00, 33-3021.06, 33-3031.00, 33-3021.03, 43-5031.00**

**Description:** The Certificate of Completion (CCL) in Administration of Justice program is designed to be interdisciplinary by nature and provides students with foundational knowledge of the criminal justice system and operational processes for addressing crime within society. This program also examines diverse populations and communities, and their effects on relationships with the criminal justice system. In addition, this program allows students to familiarize themselves with and evaluate various career opportunities in the criminal justice field and is one pathway to the Associate in Applied Science (AAS) in Administration of Justice.

### Learning Outcomes

1. Synthesize multiple sources of information to make timely assessments. (AJS101, AJS123, AJS230, AJS240)
2. Solve problems through logical and sound reasoning. (AJS101, AJS109, AJS123, AJS230, AJS240, AJS260)
3. Communicate orally, visually and in writing precisely, appropriately, and effectively to varied audiences. (AJS101, AJS230, AJS240)
4. Communicate in the language common to the criminal justice system. (AJS101, AJS109, AJS230, AJS240)
5. Collaborate with diverse agencies, community representatives and individuals to achieve common goals. (AJS101, AJS123, AJS230, AJS240)
6. Apply the principles and processes of criminal and constitutional law, criminology theory, knowledge of the functions and components of the criminal justice system, and current issues to criminal justice operations. (AJS101, AJS109, AJS123, AJS230, AJS240, AJS260)
7. Utilize technology to collect, analyze and communicate data. (AJS101, AJS230, AJS240)
8. Practice professional standards appropriate to the field of criminal justice. (AJS101, AJS109, AJS123, AJS230, AJS240, AJS260)
9. Subscribe to and practice ethical behavior appropriate to the field of criminal justice. (AJS101, AJS109, AJS230, AJS240, AJS260)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better for all courses required within the program.

**This program replaces:**

**CCL/5008 Administration of Justice - Comprehensive**

**CCL/5327 Justice Studies**

**CCL/5837 Administration of Justice**

**CCL/5861N Justice Studies**

**Program Prerequisites: None****Required Courses**

AJS101 Introduction to Criminal Justice 3

**Credits: 15**

AJS109 Substantive Criminal Law (3) or  
AJS260 Procedural Criminal Law (3) 3

AJS123 Ethics and the Administration of Justice 3  
AJS230 The Police Function 3  
AJS240 The Corrections Function 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 11, 2018

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AJS/EMT/FSC/SWU258, AJS260, AJS270, AJS275, AJS290BN, BPC110, CIS105, CIS114DE, FOR105, FOR106, PSY101, REC120, SOC101, SWU171, (COM), (CRE), [FYC], [MA])

3. Communicate orally, visually and in writing precisely, appropriately, and effectively to varied audiences. (AJS101, AJS113, AJS162, AJS201, AJS205, AJS210, AJS212, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS270, AJS275, AJS290BN, BPC110, CIS105, CIS114DE, FOR105, FOR106, PSY101, REC120, SOC101, SWU171, (COM), (CRE), [FYC], [MA])

4. Communicate in the language common to the criminal justice system. (AJS101, AJS109, AJS113, AJS162, AJS201, AJS205, AJS210, AJS212, AJS225, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS270, AJS275, AJS290BN, (COM), (CRE), [FYC])

5. Collaborate with diverse agencies, community representatives and individuals to achieve common goals. (AJS101, AJS113, AJS123, AJS162, AJS200, AJS201, AJS210, AJS212, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS290BN, PSY101, REC120, SOC101, SWU171, (COM), (CRE), [FYC])

6. Apply the principles and processes of criminal and constitutional law, criminology theory, knowledge of the functions and components of the criminal justice system, and current issues to criminal justice operations. (AJS101, AJS109, AJS113, AJS123, AJS162, AJS200, AJS201, AJS210, AJS212, AJS225, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS260, AJS290BN, (CRE), [FYC], [MA])

7. Utilize technology to collect, analyze and communicate data. (AJS101, AJS113, AJS162, AJS200, AJS201, AJS210, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS270, AJS275, AJS290BN, BPC110, CIS105, CIS114DE, FOR105, FOR106, PSY101, SOC101, (COM), (CRE), [FYC], [MA])

8. Practice professional standards appropriate to the field of criminal justice. (AJS101, AJS109, AJS113, AJS119, AJS123, AJS162, AJS201, AJS210, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS260, AJS270, AJS275, AJS290BN, FOR105, FOR106, PSY101, REC120, SOC101, SWU171, (COM), (CRE), [FYC])

9. Subscribe to and practice ethical behavior appropriate to the field of criminal justice. (AJS101, AJS109, AJS113, AJS119, AJS123, AJS162, AJS201, AJS210, AJS230, AJS240, AJS255, AJS/EMT/FSC/SWU258, AJS260, AJS270, AJS275, AJS290BN, FOR105, FOR106, PSY101, REC120, SOC101, SWU171, (CRE), [FYC])

### Program Notes

Students must earn a grade of C or better for all courses required within the program.

#### This program replaces:

[AAS/3012 Administration of Justice Studies](#)

[AAS/3057 Administration of Justice](#)

[AAS/3137 Administration of Justice](#)

[AAS/3396 Administration of Justice Studies](#)

[AAS/3397 Administration of Justice](#)

[AAS/3398 Administration of Justice Studies](#)

#### Program Prerequisites: None

### Required Courses

**Credits: 27**

AJS101 Introduction to Criminal Justice 3

AJS109 Substantive Criminal Law 3

AJS123 Ethics and the Administration of Justice 3

AJS200 Current Issues in Criminal Justice (3) OR  
 AJS/EMT/FSC/SWU258 Victimology and Crisis Management (3) 3

AJS212 Juvenile Justice Procedures 3  
 AJS225 Criminology 3  
 AJS230 The Police Function 3  
 AJS240 The Correction Function 3  
 AJS260 Procedural Criminal Law 3

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### Restricted Electives

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AJS113 Criminal Justice Crime Control Policies and Practices 3  
 (Fulfills ASU transfer requirement) **Credits:**  
 AJS119 Computer Applications in Justice Studies 3 **12-13**  
 (Fulfills NAU transfer requirement)  
 AJS162 Domestic Violence 3  
 (Fulfills Victimology certificate requirement)  
 AJS201 Rules of Evidence 3  
 (Fulfills Legal Studies certificate requirement)  
 AJS205 Effective Communication and Report Writing in Criminal Justice 3  
 (Fulfills Corrections, Law Enforcement and Legal Studies certificate  
 requirement)  
 AJS210 Constitutional Law 3  
 (Fulfills Legal Studies certificate requirement and NAU transfer requirement)  
 AJS255 The Criminal Justice System Handling of the Mentally Ill 3  
 (Fulfills Corrections and Victimology certificate requirement)  
 AJS270 Community Relations 3  
 (Fulfills GCU transfer requirement)  
 AJS275 Criminal Investigation I 3  
 (Fulfills Corrections and Law Enforcement certificate requirement and GCU  
 transfer requirement)  
 AJS290BN Courtroom Testimony Seminar 1

AJS++++ Any AJS Administration of Justice Studies course not listed under  
 Required Courses area (3) OR  
 BPC110 Computer Usage and Applications (3) OR  
 CIS105 Survey of Computer Information Systems (3) 3  
 (BPC110 or CIS105 fulfills transfer requirement)

CIS114DE Excel Spreadsheet 3  
 (Fulfills NAU transfer requirement)

PSY101 Introduction to Psychology (3) OR  
 SOC101 Introduction to Sociology (3) 3  
 (Fulfills ASU transfer requirement)

REC120 Leisure and the Quality of Life 3  
 (Fulfills ASU transfer requirement)  
 SWU171 Introduction to Social Work 3  
 (Fulfills ASU transfer requirement)

**General Electives****Credits:  
7-9**

Recommend the following for transfer:  
 FOR105 Forensic Science: Physical Evidence (4) OR  
 FOR106 Forensic Science: Biological Evidence (4) OR  
 any course with the [SQ] general education designation (4) 4

Recommend the following for transfer: Any course with an [HU] and [G] general education designation OR an [HU] and [H] general education designation 3-5

**General Education Requirements****General Education Requirement****Credits: 12-22****General Education Core****Credits: 12-18****First-Year Composition****Credits: 6**

+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3) AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3) 6

**Oral Communication****Credits: 3**

COM100 Introduction to Human Communication (3) OR  
 COM110 Interpersonal Communication (3) OR  
 + COM225 Public Speaking (3) OR  
 COM230 Small Group Communication (3)  
 Recommend COM225 for students intending to transfer

**Critical Reading****Credits: 0-3**

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
 Equivalent as indicated by assessment

**Mathematics****Credits: 3-6**

+ MAT140 College Mathematics (5) OR  
 + MAT141 College Mathematics (4) OR  
 + MAT142 College Mathematics (3) OR  
 MAT146 College Mathematics with Review (6) OR  
 Any higher approved general education course in the Mathematics area (3-6)

**General Education Distribution****Credits: 0-4****Humanities, Arts and Design****Credits: 0**

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Met by AJS123 in the Required Courses area

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**Social-Behavioral Sciences**

**Credits: 0**

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Met by AJS200 or AJS/EMT/FSC/SWU258 Required Courses area

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**Natural Sciences**

**Credits: 0-4**

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Any approved general education course from the Natural Sciences area.

May be met by FOR105 or FOR106 in Electives area.

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Administrative Professional

Major: **3680** Primary College: **Phoenix College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, PV, SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Business/Management (03)**  
 Total Credits: **61-67** GPA: **2.0**  
 CIP Code: **52.0401**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**43-6011 Executive Secretaries and Executive Administrative Assistants**  
**43-6014 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive**

**Description:** The Associate in Applied Science (AAS) in the Administrative Professional degree is designed to provide training for various office positions. The curriculum incorporates people and technological skills essential for job success. Includes instruction in business communications, office procedures, public relations, accounting, records management, and report preparation. A Certificate of Completion (CCL) in Administrative Professional is also available.

## Learning Outcomes

1. Apply effective oral, written, and visual business communication skills. (GBS120, FYC, [COM])
2. Apply current technology to specific business tasks. (BPC110, CIS105, CIS113DE, CIS114DE, BPC101AA, BPC/OAS111AA, CIS133AA, CIS121AI, CIS121AE, CIS122AE, MKT110, CIS103, CIS214DE, CIS133DA, CIS117DM, ACC115)
3. Create advanced business documents, reports, spreadsheets, and presentations. (ACC115, BPC101AA, BPC110, CIS105, CIS113DE, CIS114DE, CIS117DM, CIS214DE)
4. Demonstrate critical thinking through written and oral formats. (CIS214DE, GBS120, GBS151, GBS205, MGT251, FYC, [SG/SQ], (CRE))
5. Apply functions of modern business, including business principles and marketing to business situations. (GBS151, MKT271, MKT110)
6. Use the Internet as a communication tool and information resource. (BPC101AA, BPC110, CIS103, CIS105, CIS133AA, CIS133DA, GBS120, GBS205, MKT110)
7. Analyze legal, ethical and social implications of business decisions and their impact on various individuals, groups and societies. (GBS151, GBS205, MKT110, SBU200)
8. Apply mathematics to common business calculations. (ACC+++ , ACC115, BPC110, CIS105, CIS114DE, CIS214DE, GBS131, [MA])
9. Apply effective interpersonal and customer service skills in the workplace. (GBS120, MGT126, MGT251)
10. Apply professional behavior and ethics. (CIS105, GBS151, GBS205, MGT126, MGT251 SBU200, [HU])

## Program Notes

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Students must earn a grade of C or better in all courses required within the program.

**This program replaces:**

[AAS/3237 Administrative Technology](#)

[AAS/3238 Administrative Specialist](#)

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**Program Prerequisites: None**

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## Required Courses

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BPC110 Computer Usage and Applications (3) OR  
CIS105 Survey of Computer Information Systems (3) 3

**Credits: 24**

+ ACC115 Computerized Accounting 3  
CIS113DE Microsoft Word: Word Processing 3  
CIS114DE Excel Spreadsheet 3  
GBS120 Workplace Communication Skills 3  
GBS131 Business Calculations 3  
GBS151 Introduction to Business 3

Select three (3) of the following courses:

BPC101AA Introduction to Computers I 1  
BPC/OAS111AA Computer Keyboarding I 1  
CIS121AE Windows Operating System: Level I 1  
CIS121AI Mac Operating System 1  
+ CIS122AE Windows Operating System: Level II 1  
CIS133AA Internet/Web Development Level I-A 1

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## Restricted Electives

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Students should select fifteen (15) credits from the following courses, except courses used to satisfy the Required Courses area, in consultation with a program advisor:

**Credits:  
15**

ACC+++ Any ACC Accounting prefixed course (except ACC115) 3  
MGT251 Human Relations in Business 3  
MGT126 Customer Service Skills and Strategies 3  
CIS133DA Internet/Web Development: Level I 3  
+ CIS214DE Advanced Excel Spreadsheet: Level II 3  
CIS103 Introduction to Social Media 3  
MKT110 Marketing and Social Networking 3  
CIS117DM Microsoft Access: Database Management 3  
GBS205 Legal, Ethical, and Regulatory Issues in Business 3  
MKT271 Principles of Marketing 3

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## General Education Requirements

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|                                      |                       |
|--------------------------------------|-----------------------|
| <b>General Education Requirement</b> | <b>Credits: 22-28</b> |
|--------------------------------------|-----------------------|

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|                               |                       |
|-------------------------------|-----------------------|
| <b>General Education Core</b> | <b>Credits: 12-18</b> |
|-------------------------------|-----------------------|

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|                               |                   |
|-------------------------------|-------------------|
| <b>First-Year Composition</b> | <b>Credits: 6</b> |
|-------------------------------|-------------------|

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+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3) AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3)

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|                           |                   |
|---------------------------|-------------------|
| <b>Oral Communication</b> | <b>Credits: 3</b> |
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COM100 Introduction to Human Communication (3) OR  
 COM110 Interpersonal Communication (3) OR  
 + COM225 Public Speaking (3) OR  
 COM230 Small Group Communication (3)

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|                         |                     |
|-------------------------|---------------------|
| <b>Critical Reading</b> | <b>Credits: 0-3</b> |
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Any approved general education course from the Critical Reading area OR  
 Equivalent as indicated by assessment.

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|                    |                     |
|--------------------|---------------------|
| <b>Mathematics</b> | <b>Credits: 3-6</b> |
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Any approved general education course from the Mathematics area OR  
 Equivalent as indicated by assessment.

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|                                       |                    |
|---------------------------------------|--------------------|
| <b>General Education Distribution</b> | <b>Credits: 10</b> |
|---------------------------------------|--------------------|

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|                                    |                   |
|------------------------------------|-------------------|
| <b>Humanities, Arts and Design</b> | <b>Credits: 3</b> |
|------------------------------------|-------------------|

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Any approved general education course from the Humanities, Arts and Design area.

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|                                   |                   |
|-----------------------------------|-------------------|
| <b>Social-Behavioral Sciences</b> | <b>Credits: 3</b> |
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SBU200 Society and Business 3

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|                         |                   |
|-------------------------|-------------------|
| <b>Natural Sciences</b> | <b>Credits: 4</b> |
|-------------------------|-------------------|

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Any approved general education course from the Natural Sciences area.

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+ indicates course has prerequisites and/or corequisites.



++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Administrative Professional

Major: **5677** Primary College: **Phoenix College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (03)**  
 Total Credits: **18** GPA: **2.0**  
 CIP Code: **52.0401**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**43-6011 Executive Secretaries and Executive Administrative Assistants**

**43-6014 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive**

**Description:** The Certificate of Completion (CCL) in the Administrative Professional program is designed to provide students with basic office skills. This program is recommended for students with little or no office-related work experience or college experience. Includes instruction in business communications, office procedures, and report preparation. An Associate in Applied Science (AAS) in Administrative Professional is available.

### Learning Outcomes

1. Apply effective oral, written, and visual business communication skills. (GBS120)
2. Apply current technology to specific business tasks. (BPC110, CIS105, CIS113DE, BPC101AA, BPC/OAS111AA, CIS133AA, CIS121AI, CIS121AE, CIS122AE)
3. Create basic business documents, reports, spreadsheets, and presentations. (BPC101AA, BPC110, CIS105, CIS113DE, GBS120)
4. Describe basic business principles. (GBS151)
5. Use the Internet as a communication tool and information resource. (BPC101AA, BPC110, CIS105, CIS133AA, GBS120)
6. Apply mathematics to common business calculations. (BPC110, CIS105, GBS131)
7. Demonstrate effective interpersonal and customer service skills in the workplace. (GBS120)
8. Apply professional behavior and ethics. (CIS105, GBS151)

### Program Notes

Students must earn a grade of C or better in all courses required within the program.  
 + indicates course has prerequisites and/or corequisites.

**This program replaces:**

**[CCL/5234 Administrative Professional](#)**

**[CCL/5238 Business Office Assistant](#)**

**Program Prerequisites: None**

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**Required Courses**

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BPC110 Computer Usage and Applications (3) OR  
CIS105 Survey of Computer Information Systems (3) 3

**Credits: 18**

CIS113DE Microsoft Word: Word Processing 3  
GBS120 Workplace Communication Skills 3  
GBS131 Business Calculations 3  
GBS151 Introduction to Business 3

Select three (3) of the following courses:

BPC101AA Introduction to Computers I 1  
BPC/OAS111AA Computer Keyboarding I 1  
CIS121AE Windows Operating System: Level I 1  
CIS121AI Mac Operating System 1  
+ CIS122AE Windows Operating System: Level II 1  
CIS133AA Internet/Web Development Level I-A 1

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Amazon Web Services Cloud Practitioner

Major: **5141N**  
 First Term: **2021 Summer**  
 Final Term: **Current**

Primary College: **Glendale Community College**  
 Program Availability: **CG, EM, GC, GW, MC, PC, PV, SC, SM**  
 Field of Interest: **Computer and Information Technology**

Award: **CCL**  
 Total Credits: **3**  
 CIP Code: **11.0902**

Instructional Council: **Occupational Administrators (53)**  
 GPA: **2.0**

SOC Code: **Students with this Certificate of Completion and requisite industry experience can pursue careers as:**  
**43-9011.00 Computer Operators**

**Description:** The Certificate of Completion (CCL) in Amazon Web Services Cloud Practitioner builds the practical knowledge and skills of cloud computing. Cloud computing provides reliable, scalable, secure, and flexible technology solutions for personal and business use. This CCL will introduce students new to or interested in cloud computing to the fundamental concepts of cloud services as well as hands-on opportunities to apply these concepts to real-world applications. Students with the requisite experience in the field who complete this CCL can pursue employment in a variety of information technology jobs. This CCL also helps to prepare students for the Amazon Web Services (AWS) Certified Cloud Practitioner exam, which is the first level of the AWS certification.

### Learning Outcomes

1. Define the different types of cloud services and their benefits including economic advantages. (CLD110)
2. Execute a variety of cloud services within Amazon Web Services (AWS). (CLD110)
3. Manage basic cloud security. (CLD110)
4. Design basic cloud service architectures using industry best practices. (CLD110)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience such as database, Linux, information security, networking, programming, and DevOps who are interested in expanding their knowledge in the area of cloud computing to enhance their employment opportunities. Speak to a program director for additional information.

Students must earn a grade of C or better for all courses required within the program. Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**Program Prerequisites: None**

### Required Courses

## CLD110 Amazon Web Services Cloud Foundations 3

**Credits: 3**

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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**CULTURE  
AND SOCIETY**

## Applied Storytelling

Major: **6253N** Primary College: **South Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **EM SM**  
 Final Term: **Current** Field of Interest: **Culture and Society**

Award: **AC** Instructional Council: **Storytelling (05)**  
 Total Credits: **30** GPA: **2.0**  
 CIP Code: **05.0209**

SOC Code: **Upon completion of this program, students may pursue a career as:**  
**27-3043.05 Poets, Lyricists, and Creative Writers**  
**27-2099.00 Entertainers and Performers, Sports and Related Workers, All Other**

**Description:** The Academic Certificate (AC) in Applied Storytelling is designed to provide students with an understanding of universal themes and basic practices, which are the foundation for storytelling. The program provides interactive storytelling training, which will enhance the skills of persons in areas such as education, the performing arts, community advocacy, workforce and business entrepreneurship, mental health, the ministry, and interpretive settings such as museums and parks. This program will also aid students interested in enhancing interpersonal relations skills and in using stories in family and community settings.

### Learning Outcomes

1. Demonstrate the skills of oral storytelling to construct and deliver stories. (EDU/HUM/STO292, STO295, HIS/STO279, STO293, STO282AC, STO205, STO250AA, STO284, STO/THP285, STO289AF, MUP133, STO291AA, STO273, STO283, STO287, STO288, STO290)
2. Develop cultural awareness and a sense of community through oral storytelling. (EDU/HUM/STO292, STO295, HIS/STO279, STO293, STO297, STO282AC, HUM260, EDU/ENH291, STO205, STO284, STO/THP285, STO273, STO283, STO287, STO288, STO290, ENH251)
3. Employ the ethical protocols and practices of storytelling as they pertain to awareness of self and others. (EDU/HUM/STO292, EDU/ENH/STO294, STO295, HIS/STO279, STO293, STO282AC, HUM260, STO205, STO284, STO/THP285, STO273, STO283, STO287, STO288, STO290)
4. Utilize digital media to produce, present, promote, and preserve the stories and voices of storytellers. (EDU/HUM/STO292, STO295, HIS/STO279, STO293, STO282AC, ART/COM/STO150, STO/THP285, STO283, STO287, STO290)
5. Maintain a repertoire of stories that reflect the individuals storytelling style and that can be adapted for a variety of situations or purposes. (STO295, HIS/STO279, STO293, STO282AC, STO286, EDU283AA/STO289AA, STO289AB, STO289AC, STO289AD, STO289AG, ART/COM/STO150, EDU/ENH291, STO205, STO284, STO/THP285, STO289AF, THP112, STO273, STO283, STO287, STO288, STO290, ENH251)
6. Tailor elements of storytelling for communication and performance contextualized to specific audiences. (STO293, STO297, STO282AC, STO286, EDU283AA/STO289AA, STO289AB, STO289AC, STO289AD, STO289AG, ART/COM/STO150, STO205, STO250AA, STO284, STO/THP285, THP112, STO273, STO283, STO287, STO288, STO290)
7. Apply the skills of oral storytelling to elevate the diverse voices and stories of others within their

professional and personal communities. (STO293, STO297, STO282AC, STO286, EDU283AA/STO289AA, STO289AB, STO289AC, STO289AD, STO289AG, STO205, STO/THP285, STO291AA)

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### Program Notes

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**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in each course in the program.

+ indicates course has prerequisite and/or corequisites.

This program has three tracks: Workforce Emphasis, Performance Emphasis, or Global Emphasis

**This program replaces: [AC/6218N Applied Storytelling](#)**

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**Program Prerequisites: None**

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### Required Courses

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|   |                        |
|---|------------------------|
| Completion of Foundations of Storytelling Certificate Requirements<br>EDU/HUM/STO292 The Art of Storytelling 3<br>EDU/ENH/STO294 Multicultural Folktales 3  | <b>Credits:<br/>24</b> |
| Completion of Traditional and Fact-Based Storytelling Certificate Requirements<br>HIS/STO279 Creating and Telling Fact-Based Historical Stories 3<br>STO295 Traditional Storytelling Around the World 3   |                        |
| Required Courses for all Tracks in Applied Storytelling<br>+ STO282AC Service-Learning Experience in Storytelling 3<br>+ STO293 The Art of Storytelling II 3<br>+ STO297 Creating and Telling Personal Stories 3  |                        |
| Select three (3) credits from the following:<br>EDU283AA/STO289AA Using Storytelling in Educational Settings 1<br>STO286 Using Storytelling in a Variety of Settings 3<br>STO289AB Using Storytelling in Business Settings 1<br>STO289AC Using Storytelling in Healing Settings 1<br>STO289AD Using Storytelling in Interpretive Settings 1<br>STO289AG Using Storytelling in Advocacy Settings 1 |                        |

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### Restricted Electives

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|  |                   |
|--|-------------------|
| Select six (6) credits from one of the following tracks:   | <b>Credits: 6</b> |
| Track #1: Workforce Emphasis<br>ART/COM/STO150 Digital Storytelling 3<br>EDU/ENH291 Children`s Literature 3<br>HUM260 Intercultural Perspectives 3 |                   |
| Track #2: Performance Emphasis<br>EDU/ENH291 Children`s Literature 3<br>HUM260 Intercultural Perspectives 3<br>MUP133 Class Voice I 1              |                   |

STO205 Establishing a Family Storytelling Tradition 3  
STO250AA Benefiting from the Storytelling Festival Experience 1  
STO284 Storytelling and Music 3  
STO/THP285 Creating/Performing Solo/Collaborative Works 3  
STO289AF Using Storytelling in Family Settings 1  
+ STO291AA Storytelling Circle 1  
THP112 Acting I 3

Track #3: Global Emphasis

ENH251 Mythology 3  
HUM260 Intercultural Perspectives 3  
STO273 The Biblical Storytelling Tradition 3  
STO283 The African Storytelling Tradition 3  
STO287 Norse and Scandinavian Storytelling Tradition 3  
STO288 Telling Sacred Stories from Around the World 3  
STO290 The Irish Storytelling Tradition 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## Artificial Intelligence and Machine Learning

Major: **3891** Initiating College: **Estrella Mountain Community College**  
 First Term: **2021 Spring** Program Availability: **CG EM**  
 Final Term: **Current** Field of Interest: **Science, Technology, Engineering and Mathematics**

Award: **AAS** Instructional Council: **Occupational Administrators (53)**  
 Total Credits: **60-73** GPA: **3.0**  
 CIP Code: **11.0102**

SOC Code: **Upon completion of this degree, students may pursue a career as:**  
**15-1211.00 Computer Systems Analysts**

**Upon completion of a bachelor's degree, students may pursue a career as:**

**15-1251.00 Computer Programmers**  
**15-1132.00 Software Developers, Applications**  
**15-1299.00 Computer Occupations, All Other**  
**15-1221.00 Computer and Information Research Scientists**

**Description:** The Associate in Applied Science (AAS) in Artificial Intelligence and Machine Learning focuses on building machine learning models that can be used for predicting, making decisions and enhancing human capabilities. The program prepares students for entry level positions in a variety of fields using artificial intelligence, including the information technology, automotive, healthcare, aerospace, industrial, and manufacturing industries. Program content includes an introduction to artificial intelligence and machine learning, natural language processing, computer vision, and artificial intelligence for business solutions and other applications. The curriculum also includes coursework in computer programming, math, engineering, and statistics.

### Learning Outcomes

1. Apply common artificial intelligence (AI) concepts and methodologies, including neural networks/Deep Learning, machine learning, Natural Language Processing, Computer Vision, and data science, for analysis and decision making. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, MAT206, MAT225, CIS150, CIS150AB, CIS159, CIS162++, CIS163AA, CIS165++, CSC100++, CSC110++, MAT220, MAT221, [SG], [SQ])
2. Apply artificial intelligence (AI) project development and machine learning life cycle to address social and business issues, opportunities, and problems. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, ECE103)
3. Apply statistical analysis and machine learning algorithms to predict usefulness of artificial intelligence (AI) programming solutions. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, ECE102, ECE103, MAT206, MAT225, CIS150, CIS150AB, CIS159, CIS162++, CIS163AA, CIS165++, CSC100++, CSC110++, MAT220, MAT221, [SG], [SQ])
4. Use appropriate programming languages to implement artificial intelligence (AI) solutions. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, ECE102, MAT206, MAT225, CIS150, CIS150AB, CIS159, CIS162++, CIS163AA, CIS165++, CSC100++, CSC110++, MAT220, MAT221)

5. Communicate in varied settings, orally and visually and in writing, in a culturally responsive manner. (AIM110, AIM210, AIM220, AIM230, AIM240, ECE103, (COM), [FYC], [HU], [SB])
6. Collaborate with diverse individuals and teams to design and implement artificial intelligence and machine learning solutions. (AIM110, AIM210, AIM220, AIM230, AIM240, ECE103, MAT206, MAT225, MAT220, MAT221, (COM), [FYC], [HU], [SB], [SG], [SQ])
7. Evaluate issues of bias, culture, environment, ethics, regulations, and professional expectations in the field of artificial intelligence (AI) and machine learning. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, (COM), [FYC], [HU], [SB])

### Program Notes

Students must earn a grade of C or better for all courses required within the program.

### Program Prerequisites: None

### Required Courses

- |  |                              |
|--|------------------------------|
| <p>AIM100 Introduction to Artificial Intelligence 3<br/>         + AIM110 Introduction to Machine Learning 3<br/>         + AIM210 Natural Language Processing 3<br/>         + AIM220 Artificial Intelligence for Computer Vision 3<br/>         + AIM230 Artificial Intelligence for Business Solutions 3<br/>         + AIM240 Artificial Intelligence Capstone Project 3</p> <p>CIS105 Survey of Computer Information Systems (3) OR<br/>         May be waived by permission of the Program Director 0-3</p> <p>+ CIS119DO Introduction to Oracle: SQL (3) OR<br/>         + CIS276DA MySQL Database (3) OR<br/>         + CIS276DB SQL Server Database (3) 3</p> <p>+ CIS156 Python Programming: Level I 3<br/>         + ECE102 Engineering Analysis Tools and Techniques 2<br/>         + ECE103 Engineering Problem Solving and Design 2<br/>         + MAT206 Elements of Statistics 3<br/>         + MAT225 Elementary Linear Algebra 3</p> | <p><b>Credits: 34-37</b></p> |
|--|------------------------------|

### Restricted Electives

Select a programming language from below that best aligns with academic and professional goals (to equal a minimum of 60 credits as needed) in one of the following areas:

- + CIS150 Programming Fundamentals 3
- + CIS150AB Object-Oriented Programming Fundamentals 3
- + CIS159 Visual Basic Programming I 3
- + CIS162++ Any C Programming: Level I course 3
- + CIS163AA Java Programming: Level I 3
- + CIS165++ Any Mobile Application Development course 3

**Credits:  
0-3**

- + CSC100++ Introduction to Computer Science (C++) 3-4
- + CSC110++ Introduction to Computer Science (Java) 3-4

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### General Education Requirements

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#### General Education Requirement

**Credits: 23-36**

#### General Education Core

**Credits: 13-26**

#### First-Year Composition

**Credits: 6**

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) 3
  
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) 3

#### Oral Communication

**Credits: 3**

- COM100 Introduction to Human Communication (3) OR
- COM110 Interpersonal Communication (3) OR
- + COM225 Public Speaking (3) OR
- COM230 Small Group Communication (3) OR
- Any approved general education course from the Oral Communication area 3

#### Critical Reading

**Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
- Equivalent as indicated by assessment (0) 0-3

#### Mathematics

**Credits: 4-14**

- Any approved general education course in the Mathematical Applications [MA] area (that serves as a prerequisite for) MAT22+. 0-9
  
- + MAT220 Calculus with Analytic Geometry I (5) OR
- + MAT221 Calculus with Analytic Geometry I (4) 4-5

#### General Education Distribution

**Credits: 10**

#### Humanities, Arts and Design

**Credits: 3**

- Any approved general education course in the Humanities, Arts and Design area. 3

#### Social-Behavioral Sciences

**Credits: 3**

Any approved general education course in the Social-Behavioral Sciences area. 3

Recommend PSY101 or SOC101.

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**Natural Sciences****Credits: 4**

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Any approved general education course in the Natural Sciences area. 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: August 25, 2020

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## Artificial Intelligence and Machine Learning

Major: **5897N** Primary College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM**  
 Final Term: **Current** Field of Interest: **Science, Technology, Engineering and Mathematics**

Award: **CCL** Instructional Council: **Occupational Administrators (53)**  
 Total Credits: **21-36** GPA: **2.0**  
 CIP Code: **11.0102**

SOC Code: **Students with this Certificate of Completion and requisite industry experience can pursue careers as:**

- 15-1251.00 Computer Programmers**
- 15-1132.00 Software Developers, Applications**
- 15-1299.00 Computer Occupations, All Other**
- 15-1221.00 Computer and Information Research Scientists**

**Description:** The Certificate of Completion (CCL) in Artificial Intelligence and Machine Learning focuses on building machine learning models that can be used for predicting, making decisions and enhancing human capabilities. The program provides the industry professional with the knowledge and skills used in a variety of fields using artificial intelligence, including the information technology, automotive, healthcare, aerospace, industrial, and manufacturing industries. Program content includes an introduction to artificial intelligence and machine learning, natural language processing, computer vision, and artificial intelligence for business solutions and other applications. The curriculum also includes coursework in computer programming, math, and statistics.

### Learning Outcomes

1. Apply common artificial intelligence (AI) concepts and methodologies, including neural networks/Deep Learning, machine learning, Natural Language Processing, Computer Vision, and data science, for analysis and decision making. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, MAT206)
2. Apply artificial intelligence (AI) project development and machine learning life cycle to address social and business issues, opportunities, and problems. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240)
3. Apply statistical analysis and machine learning algorithms to predict usefulness of artificial intelligence (AI) programming solutions. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, MAT206)
4. Use appropriate programming languages to implement artificial intelligence (AI) solutions. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240, CIS105, CIS119DO, CIS156, CIS276DA, CIS276DB, MAT206)
5. Communicate in varied settings, orally and visually and in writing, in a culturally responsive manner. (AIM110, AIM210, AIM220, AIM230, AIM240)
6. Collaborate with diverse individuals and teams to design and implement artificial intelligence and machine learning solutions. (AIM110, AIM210, AIM220, AIM230, AIM240, MAT206)
7. Evaluate issues of bias, culture, environment, ethics, regulations, and professional expectations in

the field of artificial intelligence (AI) and machine learning. (AIM100, AIM110, AIM210, AIM220, AIM230, AIM240)

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### Program Notes

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#### **This program is not eligible for Title IV Federal Financial Aid.**

This Certificate of Completion (CCL) is a closed program that is available to industry professionals with the requisite industry experience or those with an associate or bachelor's degree in a related field. Speak to a Program Director for additional information.

Students must earn a grade of C or better for all courses required within the program.

+ indicates course has prerequisites and/or corequisites.

++ indicates any suffixed course.

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### Admission Criteria

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This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience as determined by the Program Director. To pursue this CCL, students must receive permission of the Program Director. Students who do not yet have the requisite experience cannot pursue the CCL option, and instead must pursue the Associate in Applied Science (AAS) in Artificial Intelligence.

#### **Program Prerequisites: None**

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### Required Courses

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AIM100 Introduction to Artificial Intelligence 3

+ AIM110 Introduction to Machine Learning 3

+ AIM210 Natural Language Processing 3

+ AIM220 Artificial Intelligence for Computer Vision 3

+ AIM230 Artificial Intelligence for Business Solutions 3

+ AIM240 Artificial Intelligence Capstone Project 3

**Credits: 21-36**

CIS105 Survey of Computer Information Systems (3) OR

May be waived by permission of the Program Director 0-3

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) OR

May be waived by the permission of the Program Director 0-3

+ CIS156 Python Programming: Level I (3) OR

May be waived by the permission of the Program Director 0-3

+ MAT14+ Any College Mathematics course (3-6) OR

+ MAT15+ Any College Algebra/Functions course (3-6) OR

+ MAT187 Precalculus (5) OR

Appropriate District placement OR

Permission of Department/Division Chair 0-6

+ MAT206 Elements of Statistics 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: August 25, 2020

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**APPLIED  
TECHNOLOGY**

## Automated Industrial Technology

|   |   |
|---|---|
| Major: <b>3177</b>  | Initiating College: <b>Mesa Community College</b>     |
| First Term: <b>2021 Spring</b>  | Program Availability: <b>EM, MC</b>                   |
| Final Term: <b>Current</b>  | Field of Interest: <b>Applied Technology</b>          |
| Award: <b>AAS</b>   | Instructional Council: <b>Applied Technology (57)</b> |
| Total Credits: <b>63-73</b>   | GPA: <b>2.0</b>                                       |
| CIP Code: <b>15.0403</b>  |   |
| SOC Code: <b>Upon completion of this degree, students may pursue a career as:</b> |   |
| <b>17-3029.09 Manufacturing Production Technicians</b>                            |   |
| <b>17-3026.00 Industrial Engineering Technicians</b>                              |   |

**Description:** The Associate in Applied Science (AAS) in Automated Industrial Technology prepares students to troubleshoot, maintain and repair a variety of automated electro-mechanical, product assembly, process control, and product distribution systems that use programmable controls and other methodologies to accomplish system management. These systems include robotic, mechanical, hydraulic, pneumatic, electrical and electronic devices. Through this degree, graduates will gain the skills to define, integrate, install, program, and maintain complex control systems. Additionally, students will gain the communication, problem solving and professional skills needed to be successful in this field. The Automated Industrial Technology courses are designed to prepare students for the National Institute of Metalworking Skills (NIMS) certification exams. Certificates of Completion (CCL) in Automated Industrial Technology I and II are also available.

### Learning Outcomes

1. Collaborate with diverse individuals and entities to achieve common goals. (AIT100, AIT105, AIT110, AIT115, AIT120, AIT125, AIT205, AIT210, AIT215, AIT225, AIT270, [HU], [SB], [SQ], [SG])
2. Install, test and troubleshoot Programmable Logic Controllers (PLCs). (AIT115, AIT120, AIT125, AIT205, AIT210, AIT225, AIT270, [MA], [SQ], [SG])
3. Analyze AC/DC circuits, and analog and digital systems. (AIT125, AIT205, AIT210, AIT270, [MA], [SQ], [SG])
4. Calibrate, adjust and test process control systems. (AIT205, AIT210, AIT215, AIT225, AIT270, [SQ], [SG])
5. Install, test, operate and troubleshoot motor drives in an electrical control system. (AIT125, AIT205, AIT210, AIT225, AIT270, [SQ], [SG])
6. Perform, monitor and interpret machine operation. (AIT105, AIT115, AIT120)
7. Interpret electrical and electronic control and power schematics and measure current, voltage and resistance. (AIT125, AIT205, AIT210, AIT215, AIT225, AIT270)
8. Analyze and perform preventive and predictive maintenance on robotic and other automated industrial equipment. (AIT105, AIT110, AIT115, AIT120, AIT215, [MA], [SQ], [SG])
9. Utilize computer information systems, microcomputer applications, and programming techniques. (AIT115, AIT120, AIT125, AIT205, AIT210, AIT215, AIT225, AIT270)
10. Apply electronic and mechanical fabrication techniques. (AIT110, AIT125, AIT225, AIT270)
11. Describe and adhere to safety, health and environmental rules and regulations. (AIT100, AIT105, AIT110, AIT115, AIT120, AIT125, AIT205, AIT210, AIT215, AIT225, AIT270, [SQ], [SG])
12. Practice professional standards of the industry and ethical behavior. (AIT100, AIT105, AIT110)



12. Practice professional standards of the industry and ethical behavior. (AIT100, AIT105, AIT110, AIT115, AIT120, AIT125, AIT205, AIT210, AIT215, AIT225, AIT270, [HU], [SB], [SQ], [SG])

13. Communicate effectively, both orally and in writing, in varied settings in a culturally responsive manner. (AIT100, AIT105, AIT110, AIT115, AIT120, AIT125, AIT205, AIT210, AIT215, AIT225, AIT270, (COM), [FYC], [HU], [SQ], [SG])

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### Program Notes

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Students must earn a grade of C or better in all courses in the program.

This program may require students to be able to lift objects as heavy as 50 pounds.

**This program replaces: [AAS/3000 Industrial Robotics and Automation Technology?](#)**

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**Program Prerequisites: None**

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### Required Courses

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|  |                    |
|--|--------------------|
| AIT100 Industrial Safety 1<br>AIT105 Maintenance Operations 3<br>AIT110 Mechanical Systems 3<br>AIT115 Hydraulic Systems 3<br>AIT120 Pneumatic Systems 3<br>AIT125 Electrical Systems 1 3<br>+ AIT205 Electronic Control Systems 1 3<br>+ AIT210 Electronic Control Systems 2 3<br>+ AIT215 Process Control Systems 4<br>+ AIT225 Electrical Systems 2 3<br><br>+ AIT250 Automated Industrial Technology Capstone (3) OR<br>+ AIT291 Automated Industrial Technology Internship (3) 3<br><br>+ AIT270 Robotics I 3 | <b>Credits: 35</b> |
|--|--------------------|

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### Restricted Electives

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|   |                          |
|---|--------------------------|
| Students should select 6-10 credits from the following courses:<br>AIT+++ Any AIT Automated Industrial Technology courses except courses used<br>to satisfy Required Courses area 3<br>ELE173 Fabrication Techniques 3<br>+ DFT255 3D Printing/Additive Manufacturing 4<br>WLD106++ Arc Welding (any suffixed course) 5 | <b>Credits:<br/>6-10</b> |
|---|--------------------------|

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### General Education Requirements

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|                                      |                       |
|--------------------------------------|-----------------------|
| <b>General Education Requirement</b> | <b>Credits: 22-28</b> |
|--------------------------------------|-----------------------|

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|                               |                       |
|-------------------------------|-----------------------|
| <b>General Education Core</b> | <b>Credits: 12-18</b> |
|-------------------------------|-----------------------|

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**First-Year Composition****Credits: 6**

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) AND
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) 6

**Oral Communication****Credits: 3**

- COM100 Introduction to Human Communication (3) OR
- COM110 Interpersonal Communication (3) OR
- + COM225 Public Speaking (3) OR
- COM230 Small Group Communication (3) 3

**Critical Reading****Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
- Equivalent as indicated by assessment (0) 0-3

**Mathematics****Credits: 3-6**

- GTC107 Technical Mathematics I (3) OR
- Equivalent as indicated by assessment (0) AND
- + GTC108 Technical Mathematics II (3) 3-6

OR

- + MAT140 College Mathematics (5) OR
- + MAT141 College Mathematics (4) OR
- + MAT142 College Mathematics (3) OR
- MAT145 College Mathematics with Review (5) OR
- MAT146 College Mathematics with Review (6) 3-6

OR

- + MAT150 College Algebra/Functions (5) OR
- + MAT151 College Algebra/Functions (4) OR
- + MAT152 College Algebra/Functions (3) OR
- + MAT155 College Algebra/Functions with Review (5) OR
- + MAT156 College Algebra/Functions with Review (6) 3-6

**General Education Distribution****Credits: 10****Humanities, Arts and Design****Credits: 3**

Any approved general education courses in the Humanities, Arts and Design [HU] area. 3

**Social-Behavioral Sciences****Credits: 3**

Any approved general education course in the Social-Behavioral Sciences [SB] area. 3

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**Natural Sciences****Credits: 4**

Any approved general education course in the Natural Sciences (Quantitative) [SQ] area or the Natural Sciences (General) [SG] area. 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 24, 2020

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## Cisco Certified Network Professional: Enterprise Advanced Routing and Services

|  |   |
|--|---|
| Major: <b>5187N</b>  | Initiating College: <b>Mesa Community College</b>               |
| First Term: <b>2020 Fall</b>   | Program Availability: <b>CG EM GC GW MC PV SC SM</b>            |
| Final Term: <b>Current</b>   | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>  | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>8</b>  | GPA: <b>2.00</b>  |
| CIP Code: <b>11.0901</b>   |   |
| SOC Code: <b>Students with this Certificate of Completion and requisite industry experience can pursue careers as:</b> |   |
| <b>15-1212.00 Information Security Analysts</b>  |   |
| <b>15-1244.00 Network and Computer Systems Administrators</b>  |   |
| <b>15-1231.00 Computer Network Support Specialists</b>   |   |

**Description:** The Certificate of Completion (CCL) in Cisco Certified Network Professional: Enterprise Advanced Routing and Services builds the advanced knowledge and skills needed for professional-level networking technologies and architecture. This CCL includes concepts of implementation and troubleshooting of advanced routing technologies and services including Layer 3 VPN services, infrastructure security, and infrastructure services, as well as hands-on opportunities to apply these concepts to real-world applications. Students with the requisite experience in the field who complete this CCL can pursue employment in a variety of information technology jobs. This CCL also helps to prepare students for the Implementing Cisco Enterprise Network Advanced Routing and Services (ENARSI) certification exam aligned with the CCNP Enterprise, Cisco Certified Specialist - Advanced Infrastructure Implementation certifications. Additional Certificates of Completion (CCLs) in Cisco Certified Network Security (CCNA Security), Cisco Certified Network Professional: Enterprise Core, Cisco Certified Network Professional: Enterprise, Cisco Network Administration: CCNP, as well as an Associate in Applied Science (AAS) in Network and Systems Administration, are also available.

### Learning Outcomes

1. Configure, manage, and troubleshoot Cisco intermediary network devices applying industry best practices and standards. (CNT250, CNT250AA, CNT250AB)
2. Design, configure, and troubleshoot a network using advanced routing. (CNT250, CNT250AA, CNT250AB)
3. Configure, manage, secure, troubleshoot and integrate advanced routing protocols and tunneling in a complex scalable internetwork. (CNT250, CNT250AA, CNT250AB)
4. Configure and troubleshoot route maps, conditional forwarding, and route redistribution. (CNT250, CNT250AA, CNT250AB)
5. Implement a selection of WAN tunneling protocols. (CNT250, CNT250AA, CNT250AB)
6. Describe IPV6 first-hop security features. (CNT250, CNT250AA, CNT250AB)
7. Troubleshoot security threats to a network. (CNT250, CNT250AA, CNT250AB)
8. Troubleshoot device management and management tools. (CNT250, CNT250AA, CNT250AB)

## Program Notes

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### This program is not eligible for Title IV Federal Financial Aid.

This Certificate of Completion (CCL) is intended for industry professionals with the requisite skills aligned with the Cisco Certified Network Associate (CCNA) industry certification who are interested in expanding their knowledge in the area in professional-level networking or to enhance their employment opportunities. Speak to a program director for additional information.

Students must earn a grade of C or better for all courses required within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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### Admission Criteria

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This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience. To pursue this CCL, students must complete the following prerequisites to the courses within the Required Course area as follows with a C or better OR have a Cisco Certified Network Associate (CCNA) industry certification OR receive permission of the Program Director:

- CNT140AB Introduction to Networks 4
- + CNT150AB Switching, Routing, and Wireless Essentials 4
- + CNT160AB Enterprise Networking, Security, and Automation 4

Students also have the option to complete the full CCL in this program, Cisco Network Administration: CCNP (major code 5037), that includes the prerequisites and required courses.

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### Program Prerequisites: None

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### Required Courses

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- |   |                       |
|---|-----------------------|
| + CNT250 Cisco Certified Network Professional: Enterprise Advanced Routing and Services (8) OR      | <b>Credits:<br/>8</b> |
| + CNT250AA Cisco Certified Network Professional: Enterprise Advanced Routing and Services I (4) AND |                       |
| + CNT250AB Cisco Certified Network Professional: Enterprise Advanced Routing and Services II (4) 8  |                       |
- 

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: June 23, 2020

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## Cisco Certified Network Professional: Enterprise Core

Major: **5189N** Initiating College: **Mesa Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PV SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **8** GPA: **2.00**  
 CIP Code: **11.0901**

SOC Code: **Students with this Certificate of Completion and requisite industry experience can pursue careers as:**

**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**

**Description:** The Certificate of Completion (CCL) in Cisco Certified Network Professional: Enterprise Core builds the knowledge and skills needed for professional-level networking technologies and architecture. This CCL includes the fundamental concepts of virtualization, network assurance, security, and automation, as well as hands-on opportunities to apply these concepts to real-world applications. Students with the requisite experience in the field who complete this CCL can pursue employment in a variety of information technology jobs. This CCL also helps to prepare students for the Cisco Enterprise Network Core Technologies (ENCOR) certification exam aligned with the CCNP Enterprise, CCIE Enterprise Infrastructure, CCIE Enterprise Wireless, and Cisco Certified Specialist - Enterprise core certifications.

Additional Certificates of Completion (CCLs) in Cisco Certified Network Security (CCNA Security), Cisco Certified Network Professional: Enterprise, Cisco Certified Network Professional: Enterprise Core and Advanced Routing and Services, Cisco Network Administration: CCNP, as well as an Associate in Applied Science (AAS) in Network and Systems Administration, are also available.

### Learning Outcomes

1. Configure, manage, and troubleshoot Cisco intermediary network devices applying industry best practices and standards. (CNT240, CNT240AA, CNT240AB)
2. Design, configure, and troubleshoot a campus network using advanced and multi-layer switching technologies and automation. (CNT240, CNT240AA, CNT240AB)
3. Configure Layer 2 and Layer 3 traffic forwarding. (CNT240, CNT240AA, CNT240AB)
4. Configure and troubleshoot wireless technologies. (CNT240, CNT240AA, CNT240AB)
5. Explain multicast protocols and Quality of Service (QoS) models. (CNT240, CNT240AA, CNT240AB)
6. Configure different routing protocols and various overlay tunnels. (CNT240, CNT240AA, CNT240AB)
7. Explain the characteristics of scalable network architectures. (CNT240, CNT240AA, CNT240AB)

8. Analyze how fabric networks allow traditional networks to be more manageable and secure. (CNT240, CNT240AA, CNT240AB)
9. Configure and troubleshoot enterprise networks. (CNT240, CNT240AA, CNT240AB)
10. Explain the purpose and characteristics of network and server virtualization. (CNT240, CNT240AA, CNT240AB)
11. Explain common network programmability concepts and programmatic methods of management. (CNT240, CNT240AA, CNT240AB)
12. Apply basic programming and automation. (CNT240, CNT240AA, CNT240AB)

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### Program Notes

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**This program is not eligible for Title IV Federal Financial Aid.**

This Certificate of Completion (CCL) is intended for industry professionals with the requisite skills aligned with the Cisco Certified Network Associate (CCNA) industry certification who are interested in expanding their knowledge in the area in professional-level networking or to enhance their employment opportunities. Speak to a program director for additional information.

Students must earn a grade of C or better for all courses required within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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### Admission Criteria

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This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience. To pursue this CCL, students must complete the following prerequisites to the courses within the Required Course area as follows with a C or better OR have a Cisco Certified Network Associate (CCNA) industry certification OR receive permission of the Program Director:

CNT140AB Introduction to Networks 4  
 + CNT150AB Switching, Routing, and Wireless Essentials 4  
 + CNT160AB Enterprise Networking, Security, and Automation 4

Students also have the option to complete the full CCL in this program, Cisco Network Administration: CCNP (major code 5037), that includes the prerequisites and required courses.

**Program Prerequisites: None**

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### Required Courses

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|  |                   |
|--|-------------------|
| + CNT240 Cisco Certified Network Professional: Enterprise Core (8) OR      | <b>Credits: 8</b> |
| + CNT240AA Cisco Certified Network Professional: Enterprise Core I (4) AND |                   |
| + CNT240AB Cisco Certified Network Professional: Enterprise Core II (4) 8  |                   |

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: June 23, 2020

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### Cisco Network Administration and Security

Major: **5036** Primary College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC GW MC PV SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **16-19**  
 CIP Code: **11.0901** GPA: **2.0**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1212.00 Information Security Analysts**  
**15-1231.00 Computer Network Support Specialists**

**Description:** The Certificate of Completion (CCL) in Cisco Network Administration and Security provides training for those interested in working with Cisco network and Internet hardware with a particular emphasis on securing networks from threats and vulnerabilities. Knowledge and skills are developed to install, configure, and maintain Cisco routers and switches; configure routing protocols, and Local Area Networks (LANs); troubleshoot problems with various hardware and software configurations; perform administrative tasks in a network. Specific skills in maintaining integrity, accountability, and confidentiality of data are also developed. Taught by Cisco Certified professionals using the Cisco Network Academy program curriculum, courses are designed to help prepare students for the Cisco Certified Network Associate (CCNA) and Security examinations. Students who complete this program may seek employment in a variety of environments. An additional Certificate of Completion (CCL) in Cisco Certified Network Professional (CCNP), as well as an Associate in Applied Science (AAS) in Network and Systems Administration, are also available.

### Learning Outcomes

1. Demonstrate knowledge of network terminology, media, topologies, reference and protocol models including Ethernet. (CIS105, CNT140AB)
2. Describe and demonstrate network segmentation including IP addressing and subnetting. (CNT140AB, CNT150AB)
3. Configure, manage, and troubleshoot Cisco intermediary network devices applying industry best practices and standards. (CNT140AB, CNT150AB, CNT160AB)
4. Design, configure, manage, and troubleshoot Local Area Networks (LANs) applying industry best practices and standards. (CNT150AB, CNT160AB)
5. Monitor, detect, analyze, and mitigate a variety of security threats applying industry best practices, tools, and standards. (CNT202, CNT205)
6. Demonstrate knowledge of establishing a secure network. (CNT202, CNT205)
7. Describe and configure security tools including access control lists, firewalls, VPNs, Intrusion Prevention Systems (IPS), and Authorization Authentication and Accounting (AAA). (CNT202, CNT205)



## Program Notes

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Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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## Required Courses

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of the Program Director (0) 0-3

**Credits: 16-19**

CNT140AB Introduction to Networks 4  
+ CNT150AB Switching, Routing, and Wireless Essentials 4  
+ CNT160AB Enterprise Networking, Security, and Automation 4  
  
+ CNT202 Cisco Secure Firewall Appliance Configuration (4) OR  
+ CNT205 Cisco Certified Network Associate Security (4) 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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### Cisco Network Administration: CCNA

Major: **5969N** Primary College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PV, SC, SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **12-15** GPA: **2.00**  
 CIP Code: **11.0901**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of an associate degree, students may pursue a career as:**  
**15-1211.00 Computer Systems Analysts**  
**15-1212.00 Information Security Analysts**

**Description:** The Certificate of Completion (CCL) in Cisco Network Administration: CCNA provides training for those interested in working with network and Internet hardware. Knowledge and skills are developed to install, configure, and maintain Cisco routers and switches; configure advanced routing protocols, and Local Area Networks (LANs); troubleshoot hardware and software configurations; perform administrative tasks in a network. Taught by Cisco Certified professionals using the Cisco Networking Academy program curriculum, courses are designed to help prepare students for the Cisco Certified Network Associate (CCNA) examination. Students who complete this program may seek employment in a variety of environments. Additional Certificates of Completion (CCLs) in Cisco Network Administration and Security and Cisco Network Administration: CCNP, as well as an Associate in Applied Science (AAS) in Network and Systems Administration, are available.

### Learning Outcomes

1. Demonstrate knowledge of network terminology, media, topologies, reference and protocol models including Ethernet. (CIS105, CNT140AB)
2. Describe and demonstrate network segmentation including IP addressing and subnetting. (CNT140AB, CNT150AB)
3. Configure, manage, and troubleshoot Cisco intermediary network devices applying industry best practices and standards. (CNT140AB, CNT150AB, CNT160AB)
4. Design, configure, manage, and troubleshoot Local Area Networks (LANs) applying industry best practices and standards. (CNT150AB, CNT160AB)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [CCL/5967 Networking Technology: Cisco](#)

**Program Prerequisites: None**

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#### Required Courses

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director (0) 0-3

**Credits: 12-15**

CNT140AB Introduction to Networks 4  
+ CNT150AB Switching, Routing, and Wireless Essentials 4  
+ CNT160AB Enterprise Networking, Security, and Automation 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**MARICOPA**  
COMMUNITY COLLEGES



**BUSINESS,  
ENTREPRENEURIALISM,  
AND MANAGEMENT**



## Commercial Baking and Pastry

Major: **5788** Primary College: **Scottsdale Community College**  
 First Term: **2021 Fall** Program Availability: **EM PC SC**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Hospitality (58)**  
 Total Credits: **18-20** GPA: **2.00**  
 CIP Code: **12.0501**

SOC Code: **Upon completion of this certificate, students may pursue a career as:  
51-3011.00 Bakers**

**Upon completion of an associate degree, students may pursue a career as:**

**35-1011.00 Chefs and Head Cooks**  
**35-1012.00 First-Line Supervisors of Food Preparation and Serving Workers**  
**35-2011.00 Cooks, Fast Food**  
**35-2012.00 Cooks, Institution and Cafeteria**  
**35-2013.00 Cooks, Private Household**  
**35-2014.00 Cooks, Restaurant**  
**35-2015.00 Cooks, Short Order**  
**35-2019.00 Cooks, All Other**  
**35-2021.00 Food Preparation Workers**  
**51-3011.00 Bakers**

**Description:** The Certificate of Completion (CCL) in Commercial Baking and Pastry is designed to train students for entry-level positions in diverse food service operations. The program focuses on the preparation of classic and modern desserts, artisan and specialty breads, breakfast pastries, decorative showpieces and special occasion cakes. Students are exposed to all areas of a professional baking environment that includes baking techniques, safety and sanitation, food service management, professionalism and ethics, teamwork and communication.

### Program Competencies

1. Utilize classical and modern techniques in the effective production of savory and sweet baked/pastry products. (CUL113, CUL127, CUL137, CUL215, CUL217, CUL219)
2. Apply national standards to the safe and sanitary handling of food and industrial kitchen equipment. (CUL113, CUL115, CUL119, CUL127, CUL137, CUL215, CUL217, CUL219)
3. Practice professional and ethical behavior in the hospitality industry. (CUL113, CUL115, CUL119, CUL127, CUL137, CUL215, CUL217, CUL219)
4. Demonstrate effective communication skills to facilitate teamwork and time management. (CUL113, CUL115, CUL119, CUL127, CUL137, CUL215, CUL217, CUL219)
5. Compose multiple flavors, textures, and colors into savory and sweet baked/pastry products that

are marketable to the appropriate food sector and reflective of industry trends. (CUL113, CUL115, CUL119, CUL127, CUL137, CUL215, CUL217, CUL219)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.  
+ indicates course has prerequisite and/or corequisites.

Students are required to obtain a Maricopa County Food Handlers Card before the start of culinary arts courses.

Students who wish to enter the Estrella Mountain Community College Culinary Program must meet with Academic/Career Advisor.

**This program replaces: [CCL/5649 Baking and Pastry](#)**

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### Admission Criteria

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Formal application and acceptance into the program is required.

**Program Prerequisites: None**

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### Required Courses

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CUL113 Commercial Baking Techniques 3

**Credits: 18-20**

CUL115 Food Service Sanitation, Safety and Stewarding (2) OR  
ServSafe food protection manager certification (0) 0-2

CUL119 Baking Theory and Retail Operations 3

+ CUL127 Classical Desserts 3

+ CUL137 Specialty Breads and Breakfast Pastry 3

+ CUL215 Advanced Pastry Arts (3) OR

+ CUL217 Wedding Cake Production (3) 3

+ CUL219 Professional Pastry Techniques 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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**COMPUTER AND  
INFORMATION  
TECHNOLOGY**



## Computer System Configuration and Support

Major: **5038N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **6-9** GPA: **2.0**  
 CIP Code: **47.0104**

SOC Code: **Upon completion of this certificate, students may pursue a career with the following job fields:**

**15-1232.00 Computer User Support Specialists**

**43-9011.00 Computer Operators**

**49-2011.00 Computer, Automated Teller, and Office Machine Repairers**

**Description:** The Certificate of Completion (CCL) in Computer System Configuration and Support program is designed to prepare students for entry-level computer maintenance, help desk, and network technician jobs. The classes focus on the development of knowledge and skills in computer technologies including system components, installation, system configuration, peripheral devices, and notebooks. Emphasis is placed on hardware installation, maintenance, mobile devices, hardware troubleshooting, proper use of tools, safety procedures, and professionalism. This program helps prepare students for the CompTIA A+ certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCL) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Assess computer hardware and software using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC170, BPC270, CIS105)
2. Demonstrate proficiency in word processing, spreadsheet, database, and presentation applications. (CIS105)
3. Assess operating systems using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC270, CIS105)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the

literacy including navigating the internet and computer systems or take CIS 105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of program director (0) 0-3

**Credits: 6-9**

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Computer System Configuration and Support, Linux

Major: **5039N**

First Term: **2020 Fall**

Final Term: **Current**

Initiating College: **Estrella Mountain Community College**

Program Availability: **CG, EM, GC, GW, MC, PC, PV, SC, SM**

Field of Interest: **Computer and Information Technology**

Award: **CCL**

Total Credits: **9-12**

CIP Code: **11.1006**

Instructional Council: **Computer Information Systems (12)**

GPA: **2.0**

SOC Code: **Upon completion of this certificate, students may pursue a career with the following job fields:**

**15-1232.00 Computer User Support Specialists**

**43-9011.00 Computer Operators**

**49-2011.00 Computer, Automated Teller, and Office Machine Repairers**

**Description:** The Certificate of Completion (CCL) in Computer System Configuration and Support, Linux program is designed to prepare students for entry-level computer maintenance, help desk, and network technician jobs with an emphasis on Linux. The classes focus on the development of knowledge and skills in computer and network technologies including system components, installation, system configuration, peripheral devices, and notebooks. Emphasis is placed on the Linux Operating system including knowledge and skills required to install, configure and troubleshoot a Linux-based workstation. This program helps prepare students for the CompTIA A+ and Linux+ certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Assess computer hardware and software using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC170, BPC270, CIS105, CIS126DL, CIS126RH)
2. Demonstrate proficiency in word processing, spreadsheet, database, and presentation applications. (CIS105)
3. Assess operating systems using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC270, CIS105, CIS126DL, CIS126RH)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer



Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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|  |                           |
|--|---------------------------|
| CIS105 Survey of Computer Information Systems (3) OR<br>Permission of program director (0) 0-3 | <b>Credits: 9-<br/>12</b> |
| + BPC170 A+ Exam Prep: Computer Hardware Configuration and Support<br>3                        |                           |
| + BPC270 A+ Exam Prep: Operating System Configuration and Support 3                            |                           |
| CIS126DL Linux Operating System (3) OR<br>CIS126RH Red Hat System Administration I (3) 3       |                           |

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## Computer System Configuration and Support, Network

Major: **5044N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **9-13** GPA: **2.0**  
 CIP Code: **11.1006**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**15-1244.00 Network and Computer Systems Administrators**

**15-1231.00 Computer Network Support Specialists**

**15-1232.00 Computer User Support Specialists**

**43-9011.00 Computer Operators**

**49-2011.00 Computer, Automated Teller, and Office Machine Repairers**

**Description:** The Certificate of Completion (CCL) in Computer System Configuration and Support, Network program is designed to prepare students for entry-level computer maintenance, help desk, and network technician jobs with an emphasis on networking. The courses focus on the development of knowledge and skills in computer and network technologies including system components, installation, system configuration, peripheral devices, and notebooks. Emphasis is placed on elements of a data network, network components, and use of a network. This program helps prepare students for the CompTIA A+ and Network+ certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Program Notes:

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [CCL/5909 Computer Hardware and Network Support](#)

**Program Prerequisites: None**

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## Required Courses

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CIS105 Survey of Computer Information Systems (3) OR  
 Permission of program director (0) 0-3

**Credits: 9-  
13**

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support  
3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (4) 3-4

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## Learning Outcomes

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1. Assess computer hardware and software using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC170, BPC270, CIS105)
2. Demonstrate proficiency in word processing, spreadsheet, database, and presentation applications. (CIS105)
3. Assess operating systems using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC270, CIS105)
4. Explain networking concepts including topologies, IP addressing, protocols, and basic design. (CIS190, CNT140AB)
5. Demonstrate the skills required to install, configure, administer and troubleshoot a data network. (CIS190, CNT140AB)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**COMPUTER AND  
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### Computer System Configuration and Support, Security

Major: **5040N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **9-19** GPA: **2.0**  
 CIP Code: **11.1006**

SOC Code: **Upon completion of this certificate, students may pursue a career with the following job fields:**

**15-1212.00 Information Security Analysts**

**15-1150.00 Computer User Support Specialists**

**43-9011.00 Computer Operators**

**49-2011.00 Computer, Automated Teller, and Office Machine Repairers**

**Description:** The Certificate of Completion (CCL) in Computer System Configuration and Support, Security program is designed to prepare students for entry-level computer maintenance, help desk, and network technician jobs with an emphasis on security. The courses focus on the development of knowledge and skills in computer and security technologies including system components, installation, system configuration, peripheral devices, and notebooks. Emphasis is placed on preventing, identifying, and mitigating threats to the security of information systems and utilizing the basic tools for information security. This program helps prepare participants for the CompTIA A+, Security+, and certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Assess computer hardware and software using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, and service. (BPC170, BPC270, CIS105, CIS126DL, CIS126RH, CIS190, CNT140AB)
2. Assess operating systems using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, and service. (BPC270, CIS105, CIS126DL, CIS126RH)
3. Integrate social and ethical responsibility in decision-making and actions. (CIS250, CIS270, CIS271DB, ITS110)
4. Manage administrative access and user security policies within systems. (CIS250, CIS270, CIS271DB, ITS110)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid**

**THIS PROGRAM IS NOT ELIGIBLE FOR TITLE IV FEDERAL FINANCIAL AID.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces: [CCL/5841 Microsoft Technical Specialist](#)**

**Program Prerequisites: None**

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### Required Courses

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director (0) 0-3

**Credits: 9-19**

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support  
3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support 3

Select from one of the following areas of specialization.

Specialization 1: Credits 3-6

+ CIS270 Essentials of Network and Information Security (3)  
OR

+ ITS110 Information Security Fundamentals (3) AND  
CIS126DL Linux Operating System (3) OR  
CIS126RH Red Hat System Administration I (3) 3-6

Specialization 2: Credits 9-10

CNT140AB Introduction to Networks (4) OR  
CIS190 Introduction to Networking (3) 3-4

CIS250 Management of Information Systems 3  
+ CIS271DB Information Security Essentials 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## Corrections

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|--|--|
| Major: <b>5776N</b>  | Initiating College: <b>Mesa Community College</b>                    |
| First Term: <b>2019 Fall</b>   | Program Availability: <b>CG, EM, GC, MC, PC, PV, RS, SC, SM</b>      |
| Final Term: <b>Current</b>   | Field of Interest: <b>Behavioral Sciences and Human Services</b>     |
| Award: <b>CCL</b>  | Instructional Council: <b>Administration of Justice Studies (01)</b> |
| Total Credits: <b>15</b>   | GPA: <b>2.00</b>   |
| CIP Code: <b>43.0102</b>   |  |
| SOC Code: <b>Upon completion of this program, students may pursue a career as:</b> |  |
| <b>33-3012.00 Correctional Officers and Jailers</b>                                |  |
| <b>33-9032.00 Security Guards</b>  |  |
| <b>33-3021.00 Detectives and Criminal Investigators</b>                            |  |
| <b>33-3051.04 Customs and Border Protection Officers</b>                           |  |
| <b>33-3021.06 Intelligence Analysts</b>  |  |

**Description:** The Certificate of Completion (CCL) in Corrections program is designed for students intending to pursue careers in various correctional components of the justice system, including parole, probation, jail, and prisons. Focus is broader learning about the correction function in the context of overall administration of justice system.

## Learning Outcomes

1. Synthesize multiple sources of information to make timely assessments. (AJS101, AJS123, AJS240, AJS255, AJS275)
2. Solve problems through logical and sound reasoning. (AJS101, AJS123, AJS205, AJS212, AJS240, AJS255, AJS275)
3. Communicate orally, visually and in writing precisely, appropriately, and effectively to varied audiences. (AJS101, AJS212, AJS240, AJS255, AJS275)
4. Communicate in the language common to the criminal justice system. (AJS101, AJS212, AJS240, AJS255, AJS275)
5. Collaborate with diverse agencies, community representatives and individuals to achieve common goals. (AJS101, AJS123, AJS212, AJS240, AJS255)
6. Apply the principles and processes of criminal and constitutional law, criminology theory, knowledge of the functions and components of the criminal justice system, and current issues to criminal justice operations. (AJS101, AJS123, AJS212, AJS240, AJS255)
7. Utilize technology to collect, analyze and communicate data. (AJS101, AJS240, AJS255, AJS275)
8. Practice professional standards appropriate to the field of criminal justice. (AJS101, AJS123, AJS240, AJS255, AJS275)
9. Subscribe to and practice ethical behavior appropriate to the field of criminal justice. (AJS101, AJS123, AJS240, AJS255, AJS275)

## Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

**Program Prerequisites: None****Required Courses**

AJS101 Introduction to Criminal Justice 3

**Credits: 15**

AJS123 Ethics and the Administration of Justice (3) OR  
AJS255 The Criminal Justice System Handling of the Mentally Ill (3) 3

AJS212 Juvenile Justice Procedures 3  
AJS240 The Correction Function 3

AJS205 Criminal Justice Report Writing (3) OR  
AJS275 Criminal Investigation (3) 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: January 22, 2019

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## Creative Writing

|                              |   |
|------------------------------|---|
| Major: <b>6224N</b>          | Initiating College: <b>Mesa Community College</b>           |
| First Term: <b>2019 Fall</b> | Program Availability: <b>CG, EM, GC, MC, PC, PV, RS, SC</b> |
| Final Term: <b>Current</b>   | Field of Interest: <b>Culture and Society</b>               |
| Award: <b>AC</b>             | Instructional Council: <b>Creative Writing (93)</b>         |
| Total Credits: <b>24</b>     | GPA: <b>2.0</b>   |
| CIP Code: <b>23.1302</b>     |   |
| SOC Code: <b>25-1123</b>     |   |

**Upon completion of this certificate, students may pursue a career as:**

**27-3043.05 Poets, Lyricists and Creative Writers**

**43-9081.00 Proofreaders and Copy Markers**

**Upon completion of a certificate, students may pursue a career as:**

**27-3041.00 Editors**

**27-3043.04 Copy Writers**

**27-3091.00 Interpreters and Translators**

**Description:** The Academic Certificate (AC) in Creative Writing program is designed to provide students and professional writers with access to a community of writers and creative writing activities, instruction and guidance from established authors, and ongoing support in improving their writing skills and marketing their work. As students take courses in the program, they will build a portfolio of original work that may be submitted for publication. The program offers classes, workshops, and other activities such as readings and contests, which are accessible to writers of all levels regardless of academic or professional standing. The program aims to serve a diverse community who may be underrepresented in traditional creative writing programs. Completion of the certificate does not lead to a particular degree program, but may aid students in their pursuit of a career in the writing professions and in their continued enjoyment of writing for personal growth.

### Learning Outcomes

1. Analyze the aesthetic values and literary styles of diverse eras and cultures.(CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW273, CRW274, CRW281, CRW290, CRW291, ENG210, THE118)
2. Evaluate the technical elements and theories of literature across multiple genres.(CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW272, CRW273, CRW274, CRW281, CRW290, CRW291)
3. Interpret the effects of technical craft elements in published literary works. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203,



CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW272, CRW273, CRW274, CRW281, CRW290, CRW291)

4. Explore the dynamic relationships among people, culture, and the physical world. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW273, CRW274, CRW281, CRW290, CRW291)

5. Demonstrate social responsibility and ethical behavior toward the creation of original works in a culturally diverse world. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW273, CRW274, CRW281, CRW290, CRW291)

6. Engage the creative process through problem-solving, experimentation, and inspiration to produce original works across multiple genres. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW272, CRW273, CRW274, CRW281, CRW290, CRW291)

7. Apply the peer review workshop process to explore, develop, and revise original writing. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW272, CRW273, CRW274, CRW281, CRW290, CRW291)

8. Develop one-on-one relationships with creative writing mentors. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW273, CRW274, CRW281, CRW290, CRW291)

9. Create a portfolio of publication ready work. (CRW120, CRW150, CRW160, CRW170, CRW172, CRW180, CRW190, CRW200, CRW201, CRW202, CRW203, CRW204, CRW220, CRW251, CRW260, CRW261, CRW270, CRW271, CRW272, CRW273, CRW274, CRW281, CRW290, CRW291)

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### Program Notes

#### **This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better for all courses required within the program

+ indicates course has prerequisites and/or corequisites.

++ indicates any suffixed course.

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### Admission Criteria

Students who wish to enroll in the Creative Writing program must complete a formal application; contact Program Director.

#### **Program Prerequisites: None**

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### Required Courses

ENG210 Creative Writing (3) may be substituted for CRW150 with permission of Program Director.  
CRW150 Introduction to Creative Writing 3

**Credits:  
21**

CRW200 must be repeated for a total of two (2) credits.  
+ CRW200 Readings for Writers (1) 2

+ CRW201 Portfolio 1

Students must complete six (6) credits from Series I and nine (9) credits from Series II in consultation with a Program Director.

**Series I: Credits: 6**

Students must complete two (2) of the following courses for a total of six (6) credits.

CRW120 Introduction to Writing Children`s Literature 3

CRW160 Introduction to Writing Poetry 3

CRW170 Introduction to Writing Fiction 3

CRW172 Introduction to Comic Book Writing 3

CRW180 Introduction to Writing Nonfiction 3

CRW190 Introduction to Screenwriting 3

THE118 Playwriting 3

**Series II: Credits: 9**

Students must complete three (3) of the following courses for a total of nine (9) credits.

+ CRW202 The Writer as Witness 3

+ CRW203 Dialogue 3

+ CRW204 Journaling 3

+ CRW220 Intermediate Writing Children`s Literature 3

CRW251 Topics in Creative Writing 3

+ CRW260 Intermediate Poetry Writing 3

+ CRW261 Topics in Writing: Poetry 3

+ CRW270 Intermediate Fiction Writing 3

+ CRW271 Topics in Writing: Fiction 3

+ CRW272 Planning and Structuring the Novel 3

+ CRW273 Writing the Novel 3

+ CRW274 Revising the Novel 3

+ CRW281 Topics in Writing: Non-Fiction 3

+ CRW290 Intermediate Screenwriting 3

+ CRW291 Topics in Writing: Plays 3

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### Restricted Electives

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+ CRW+++++ Any CRW Creative Writing prefixed course not listed under Required Courses area. 1-3

ENG235 Magazine Article Writing 3

ENG/THE260 Film Analysis 3

+ ENH+++++ Any ENH English Humanities prefixed course 3

HUM/THF210 Contemporary Cinema 3

**Credits:  
3**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 28, 2019

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## Culinary Arts

Major: **3564** Initiating College: **Scottsdale Community College**  
 First Term: **2020 Fall** Program Availability: **EM, SC**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Hospitality (58)**

Total Credits: **60-66**

CIP Code: **12.0503** GPA: **2.00**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**11-9051.00 Food Service Managers**

**35-1011.00 Chefs and Head Cooks**

**35-1012.00 First-Line Supervisors of Food Preparation and Serving Workers**

**35-2011.00 Cooks, Fast Food**

**35-2012.00 Cooks, Institution and Cafeteria**

**35-2013.00 Cooks, Private Household**

**35-2014.00 Cooks, Restaurant**

**35-2015.00 Cooks, Short Order**

**35-2019.00 Cooks, All Other**

**35-2021.00 Food Preparation Workers**

**51-3011.00 Bakers**

**Description:** The Associate in Applied Science (AAS) in Culinary Arts degree is designed to train students for entry-level positions in diverse food service operations. The program focuses on the preparation of casual and upscale cuisine for full-service, buffet, banquet, a la carte, and bakery operations. Students are exposed to all areas of professional food service including culinary techniques, safety, and sanitation, food service management, professionalism and ethics, teamwork and communication. Students will apply their knowledge and skills in a practical dining environment. Certificates of Completion (CCL) in Culinary Arts I (5155) and Culinary Arts II (5363) are fully embedded in this AAS. Additionally, graduates may pursue university transfer.

## Learning Outcomes

1. Utilize classical and modern culinary techniques in the effective production of savory foods and baked/pastry products. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, (CRE), [HU], [MA], [SB], [SG], [SQ])
2. Apply national standards to the safe and sanitary handling of food and industrial kitchen equipment. (CUL103, CUL105, CUL113, CUL115, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270, (CRE), [SG], [SQ])
3. Practice comprehensive procedures for front and back of house operations that address purchasing, inventory, cost controls, menu planning, nutritional guidelines, and staffing. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL223, CUL230, CUL260, CUL270, FON100, (CRE), [MA], [SG], [SQ])
4. Practice professional and ethical behavior in the hospitality industry. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL223, CUL230, CUL260, CUL270, [SC1], [SC2])

CUL225, CUL230, CUL260, CUL270, [SG], [SQ])

5. Demonstrate effective critical thinking and communication skills to facilitate teamwork, customer service, and time management. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270, (COM), (CRE), [FYC], [HU], [SB], [SG], [SQ])

6. Compose multiple flavors, textures, and colors into food and beverage products that are marketable to the appropriate food sector and reflective of industry trends. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270, FON100, (CRE), [MA], [SG], [SQ])

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Students with transfer credits should contact the Culinary Studies Department. Students must obtain a Maricopa County Food Handlers Card before the start of required courses, and must maintain the card throughout the program.

At SCC students must enroll concurrently in all courses in a block, regardless of previously completed coursework.

At SCC a special fee of \$600.00 is required each semester in addition to the regular tuition fees.

**This program replaces: [AAS/3151 Culinary Studies](#)**

### Admission Criteria

Students applying to the Scottsdale Community College Culinary Program will need to submit a formal application prior to setting up a kitchen tour and interview.

Placement into college-ready level English, Reading, and Math or completion of equivalent coursework.

**Program Prerequisites: None**

### Required Courses

**Credits: 36-38**

CUL103 Breakfast and Cold Foods 3

CUL105 Principles of Professional Cooking 3

CUL115 Food Service Sanitation, Safety and Stewarding (2) OR  
ServSafe Food Protection Manager Certification 0-2

CUL120 Food Costing, Purchasing and Inventory Control 3

CUL130 Savory Foods I (6) OR  
+ CUL203 American Regional Cuisine (3) AND  
+ CUL205 French Cuisine (3) 6

CUL113 Commercial Baking Techniques (3) OR  
CUL160 Bakery I (3) 3

**CUL170 Dining Room Operations I 3**

+ CUL230 Savory Foods II (6) OR  
 + CUL201 International Cuisine (3) AND  
 + CUL213 Buffet Catering (3) 6

+ CUL127 Classical Desserts (3) OR  
 + CUL260 Bakery II (3) 3

CUL223 Food Service Management (3) OR  
 + CUL270 Dining Room Operations II (3) 3

FON100 Introductory Nutrition 3

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**Restricted Electives**


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CUL+++++ Any CUL Culinary Arts course(s) except courses used to satisfy  
 Required Courses

**Credits:  
0-5**

FRE+++++ Any FRE French course(s)

HRM+++++ Any HRM Hotel Restaurant Management course(s)

MGT+++++ Any MGT Management course(s)

SPA+++++ Any SPA Spanish course(s)

FON+++++ Any FON Food and Nutrition course(s) except courses used to  
 satisfy Required Courses

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**General Education Requirements**


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**General Education Requirement**

**Credits: 22-28**

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**General Education Core**

**Credits: 12-18**

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**First-Year Composition**

**Credits: 6**

+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3) AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3) 6

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**Oral Communication**

**Credits: 3**

Any approved general education course from the Oral Communication (COM) area.

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**Critical Reading**

**Credits: 0-3**

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
 equivalent as indicated as assessment. 0-3

**Mathematics****Credits: 3-6**

Any approved general education course from the Mathematics area. 3-6

Recommend MAT14+ or MAT15+ for students seeking university transfer.

**General Education Distribution****Credits: 10****Humanities, Arts and Design****Credits: 3**

Any approved general education course from the Humanities, Arts and Design [HU] area.

**Social-Behavioral Sciences****Credits: 3**

Any approved general education course from the Social-Behavioral Science [SB] area.

**Natural Sciences****Credits: 4**

Any approved general education course from the Natural Sciences (Quantitative) [SQ] area or the Natural Sciences (General) [SG] area.

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Culinary Arts I

Major: **5155** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **EM, SC**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Hospitality (58)**  
 Total Credits: **16-20** GPA: **2.00**  
 CIP Code: **12.0503**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**35.2013.00 - Cooks, Private Household**  
**35.2014.00 - Cooks, Restaurant**  
**35.2019.00 - Cooks, Short Order**  
**35-2019 - Cooks - All Other**  
**35-2021.00 - Food Preparation Workers**

**Upon completion of an Associate degree, students may pursue a career as:**

**35-1011.00 - Chefs and Head Cooks**  
**35-1012.00 - First-Line Supervisors of Food Preparation and Serving Workers**  
**35-2011 - Cooks, Fast Food**  
**35-2012 - Cooks, Institution and Cafeteria**  
**35-2013 - Cooks, Private Household**  
**35-2014 - Cooks, Restaurant**  
**35-2015 - Cooks, Short Order**  
**35-2019 - Cooks - All Other**  
**35-2021.00 - Food Preparation Workers**  
**51-3011.00 - Bakers**

**Description:** The Certificate of Completion (CCL) in Culinary Arts I is designed to equip students with the basic skills needed for entry-level positions in diverse food service operations. The program introduces the student to the preparation of foods for full-service, buffet, banquet, a la carte, and bakery operations. Students are exposed to many areas of professional food service including culinary techniques, safety and sanitation, purchasing and cost controls, professionalism and ethics, teamwork and communication. Students will apply their knowledge and skills in a practical learning environment. The Culinary Arts I CCL is fully embedded in the Culinary Arts II CCL and the Associate in Applied Science degree in Culinary Arts.

### Learning Outcomes

1. Utilize classical and modern culinary techniques in the effective production of savory foods and baked/pastry products. (CUL103, CUL105, CUL113, CUL115, CUL160)
2. Apply national standards to the safe and sanitary handling of food and industrial kitchen equipment. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL160)

3. Practice comprehensive procedures for back of house operations that address purchasing, inventory, cost controls, and nutritional guidelines. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL160)
4. Practice professional and ethical behavior in the hospitality industry. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL160)
5. Demonstrate effective communication skills to facilitate teamwork, customer service, and time management. (CUL103, CUL105, CUL113, CUL120, CUL160)
6. Compose multiple flavors, textures, and colors into food products that are marketable to the appropriate food sector and reflective of industry trends. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL160)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

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### Admission Criteria

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Students are required to obtain a Maricopa County Food Handlers Card before the start of culinary arts courses.

Students who wish to enter the Estrella Mountain Community College Culinary Program must meet with Academic/Career Advisor.

Placement into college-ready level English, Reading, and Math or completion of equivalent coursework.

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### Program Prerequisites: None

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### Required Courses

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|  |                       |
|--|-----------------------|
| CUL103 Breakfast and Cold Foods 3                            | <b>Credits: 12-14</b> |
| CUL105 Principles of Professional Cooking 3                  |                       |
| CUL113 Commercial Baking Techniques (3) OR                   |                       |
| CUL160 Bakery I (3) 3  |                       |
| CUL120 Food Costing, Purchasing, and Inventory Control 3     |                       |
| CUL115 Food Service Sanitation, Safety and Stewarding (2) OR |                       |
| ServSafe food protection manager certification 0 - 2         |                       |

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### Restricted Electives

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|   |                         |
|---|-------------------------|
| Students must complete 2-6 credits of Restricted Electives to meet a minimum of 16 total program credits. | <b>Credits:<br/>2-6</b> |
|---|-------------------------|

CUL+++++ Any CUL Culinary Arts course(s) except courses used to satisfy Required Courses

FRE+++++ Any FRE French course(s)

HRM+++++ Any HRM Hotel Restaurant Management course(s)

MGT+++++ Any MGT Management course(s)

SPA+++++ Any SPA Spanish course(s)

FON+++++ Any FON Food and Nutrition course(s) except courses used to satisfy Required Courses



+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Culinary Arts II

Major: **5363** Initiating College: **Scottsdale Community College**  
 First Term: **2021 Fall** Program Availability: **EM SC**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Hospitality (58)**  
 Total Credits: **36-38** GPA: **2.0**  
 CIP Code: **12.0503**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**35-1011.00 Chefs and Head Cooks**  
**35-1012.00 First-Line Supervisors of Food Preparation and Serving Workers**  
**35-2011.00 Cooks, Fast Food**  
**35-2012.00 Cooks, Institution and Cafeteria**  
**35-2013.00 Cooks, Private Household**  
**35-2014.00 Cooks, Restaurant**  
**35-2015.00 Cooks, Short Order**  
**35-2019.00 Cooks - All Other**  
**35-2021.00 Food Preparation Workers**  
**51-3011.00 Bakers**

**Upon completion of an associate degree, students may pursue a career as:**  
**11-9051.00 Food Service Manager**

**Description:** The Certificate of Completion (CCL) in Culinary Arts II is designed to train students for entry-level positions in diverse food service operations. The program focuses on the preparation of casual and upscale cuisine for full-service, buffet, banquet, a la carte, and bakery operations. Students are exposed to all areas of professional food service including culinary techniques, safety and sanitation, food service management, professionalism and ethics, teamwork and communication. Students will apply their knowledge and skills in a practical dining environment. This CCL is fully embedded in the Associate in Applied Science (AAS) in Culinary Arts (3564).

### Learning Outcomes

1. Utilize classical and modern culinary techniques in the effective production of savory foods and baked/pastry products. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260)
2. Apply national standards to the safe and sanitary handling of food and industrial kitchen equipment. (CUL103, CUL105, CUL113, CUL115, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270)
3. Practice comprehensive procedures for front and back of house operations that address purchasing, inventory, cost controls, menu planning, nutritional guidelines, and staffing. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL223, CUL230, CUL260, CUL270, FON100)

4. Practice professional and ethical behavior in the hospitality industry. (CUL103, CUL105, CUL113, CUL115, CUL120, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL223, CUL230, CUL260, CUL270)

5. Demonstrate effective critical thinking and communication skills to facilitate teamwork, customer service, and time management. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270)

6. Compose multiple flavors, textures, and colors into food and beverage products that are marketable to the appropriate food sector and reflective of industry trends. (CUL103, CUL105, CUL113, CUL127, CUL130, CUL160, CUL170, CUL201, CUL203, CUL205, CUL213, CUL230, CUL260, CUL270, FON100)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

+ indicates course has prerequisite and/or corequisites.

++ indicates any suffixed courses.

Students with transfer credits should contact the Program Director of the Culinary Arts Department.

Students are required to obtain a Maricopa County Food Handlers Card before the start of culinary arts courses.

At Scottsdale Community College students must enroll concurrently in all courses in a block, regardless of previously completed coursework.

At Scottsdale Community College a lab fee of \$600.00 is required each semester in addition to the regular tuition fees.

**This program replaces: [CCL/5151 Culinary Studies](#)**

### Admission Criteria

Students applying to the Scottsdale Community College Culinary Program will need to submit a formal application prior to setting up a kitchen tour and interview.

Placement into college-ready ?level English, Reading, and Math or completion of equivalent coursework.

**Program Prerequisites: None**

### Required Courses

**Credits: 36-38**

CUL103 Breakfast and Cold Foods 3

CUL105 Principles of Professional Cooking 3

CUL115 Food Service Sanitation, Safety and Stewarding (2) OR  
ServSafe Food Protection Manager Certification 0-2

CUL120 Food Costing, Purchasing and Inventory Control 3

CUL130 Savory Foods I (6) OR  
+ CUL203 American Regional Cuisine (3) AND  
+ CUL205 French Cuisine (3) 6

CUL113 Commercial Baking Techniques (3) OR  
CUL160 Bakery I (3) 3

CUL170 Dining Room Operations I 3

+ CUL230 Savory Foods II (6) OR  
+ CUL201 International Cuisine (3) AND  
+ CUL213 Buffet Catering (3) 6

+ CUL127 Classical Desserts (3) OR  
+ CUL260 Bakery II (3) 3

CUL223 Food Service Management (3) OR  
+ CUL270 Dining Room Operations II (3) 3

FON100 Introductory Nutrition 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Cyber Engineering

Major: **5149** Initiating College: **South Mountain Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **42-46** GPA: **2.0**  
 CIP Code: **11.1003**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of a bachelor's degree, students may pursue a career as:**  
**11-3021.00 Computer and Information Systems Managers**  
**15-1241.00 Computer Network Architects**

**Description:** The Certificate of Completion (CCL) in Cyber Engineering program is designed to focus on the necessary skills required to secure, protect and identify vulnerabilities in a network, including various operating systems and network devices. Emphasis is placed on developing the theoretical, legal, ethical and practical skills needed to maintain security on mission-critical networking and server systems. The program is designed to meet the training needs of government and industry employees. The program covers a variety of information security technologies and structured languages. The Cyber Engineering program also focuses on the skills needed for internationally recognized IT certifications and high demands in business, industry, and government. An Associate in Applied Science (AAS) in Cybersecurity is also available.

### Learning Outcomes

1. Explain the fundamental components, concepts, and application of cybersecurity principles. (BPC270, CIS105, CIS126DL, CIS126RH, CIS156, CIS162++, CIS227, CIS238DL, CIS238RH, CIS250, CIS262++, CIS270, CIS271DB, CIS272DB, ITS110, MST150++)
2. Describe cyber defense tools, methods, and components. (CIS156, CIS190, CIS270, CIS271DB, CIS272DB, CNT140AB, ITS110, ITS240)
3. Apply cyber defense methods to prepare a system to repel attacks. (CIS156, CIS270, CIS271DB, CIS272DB, ITS110, ITS240)
4. Analyze common security failures and identify specific design principles that have been violated. (CIS270, CIS271DB, CIS272DB, ITS110)
5. Understand the interaction between security and system usability and the importance for minimizing the effects of security mechanisms. (CIS270, CIS271DB, CIS272DB, ITS110)
6. Apply appropriate protocols, tools, and techniques to maximize security in the network

environment. (CIS119DO, CIS156, CIS162++, CIS190, CIS227, CIS262++, CIS270, CIS271DB, CIS272DB, CIS276++, CNT140AB, ITS110, ITS240)

7. Describe the fundamental concepts, technologies, components, vulnerabilities, and issues related to networks. (CIS105, CIS119DO, CIS190, CIS238RH, CIS238DL, CIS270, CIS271DB, CIS272DB, CIS276++, CNT140AB, ITS110)

8. Identify and describe basic security issues of operating systems. (BPC270, CIS105, CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS270, CIS271DB, CIS272DB, ITS110, ITS240, MST150++)

9. Identify perpetrators, their resources, and their motivations in cyberspace. (CIS111, CIS270, CIS271DB, CIS272DB, ITS110, ITS120, ITS240)

10. Compare and contrast offensive and defensive resources used in cybersecurity ecosystems/environment. (CIS270, CIS271DB, CIS272DB, ITS110, ITS240)

11. Delineate differences between the moral, behavioral, ethical, and legal ramifications found in the cybersecurity world. (CIS105, CIS111, CIS156, ITS120)

12. Apply knowledge of regulatory and legal requirements to ensure compliance. (CIS111, ITS120, ITS240)

13. Apply risk analysis methodologies to identify potential vulnerabilities, associated impacts, and recommend appropriate responses. (CIS111, CIS238DL, CIS238RH, CIS270, CIS271DB, CIS272DB, ITS110, ITS120, ITS240)

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### Program Notes

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

### Program Prerequisites: None

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### Required Courses

The following courses are required and included in the CCL in Cybersecurity Fundamentals

**Credits: 42-46**

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3)  
OR  
MST150++ Any Microsoft Windows course (3) 3

CIS105 Survey of Computer Information Systems 3

CIS111 Ethics in Information Technology (3) OR  
ITS120 Legal, Ethical and Regulatory Issues (3) 3

CIS126DL Linux Operating System (3) OR  
CIS126RH Red Hat System Administration I (3) 3

+ CIS156 Python Programming: Level I 3

+ CIS190 Introduction to Networking (3) OR  
CNT140AB Introduction to Networks (4) 3-4

+ CIS270 Essentials of Network and Information Security (3)  
OR  
+ CIS271DB Information Security Essentials (3) AND

- + CIS272DB Information Security Principles (3)  
OR
- + ITS110 Information Security Fundamentals (3) 3-6
  
- + ITS240 Ethical Hacking and Network Defense 3

The following courses are required in the CCL in Cyber Engineering

- + CIS119DO Introduction to Oracle: SQL (3) OR
- + CIS276++ Any SQL Database course (3) 3
  
- + CIS162++ Any C Programming: Level I course 3

CIS227 Assembler Language 3

- + CIS238DL Linux System Administration (3) OR
- + CIS238RH Red Hat System Administration II (3) 3
  
- + CIS250 Management of Information Systems 3
- + CIS262++ Any C Programming: Level II course 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Cyber Operations

Major: **5165**  
 First Term: **2021 Fall**  
 Final Term: **Current**

Initiating College: **South Mountain Community College**  
 Program Availability: **CG EM GC GW MC PV SM**  
 Field of Interest: **Computer and Information Technology**

Award: **CCL**  
 Total Credits: **41-42**  
 CIP Code: **11.1003**      GPA: **2.0**  
 Instructional Council: **Computer Information Systems (12)**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of a bachelor's degree, students may pursue a career as:**  
**11-3021.00 Computer and Information Systems Managers**  
**15-1241.00 Computer Network Architects**

**Description:** The Certificate of Completion (CCL) in Cyber Operations program is designed to focus on the necessary skills required to secure, protect and identify vulnerabilities in a network, including various operating systems and network devices. Emphasis is placed on developing the theoretical, legal, ethical and practical skills needed to maintain security on mission-critical networking and server systems. The program is designed to meet the training needs of government and industry employees. The program covers a variety of information security technologies and structured languages. The Cyber Operations program also focuses on the skills needed for internationally recognized IT certifications and high demands in business, industry, and government. An Associate in Applied Science (AAS) in Cybersecurity is also available.

## Learning Outcomes

1. Explain the fundamental components, concepts, and application of cybersecurity principles. (BPC170, BPC270, CIS105, CIS126DL, CIS126RH, CIS156, CIS156, CIS238DL, CIS238RH, ITS110, ITS291, ITS292, MST150++)
2. Describe cyber defense tools, methods, and components. (CIS156, CIS190, CNT140AB, ITS110, ITS291, ITS292)
3. Apply cyber defense methods to prepare a system to repel attacks. (CIS156, ITS110, ITS240)
4. Analyze common security failures and identify specific design principles that have been violated. (ITS110)
5. Understand the interaction between security and system usability and the importance for minimizing the effects of security mechanisms. (ITS110)
6. Apply appropriate protocols, tools, and techniques to maximize security in the network environment. (CIS156, CIS190, CNT140AB, ITS110, ITS240, ITS291, ITS292)



7. Describe the fundamental concepts, technologies, components, vulnerabilities, and issues related to networks. (BPC170, CIS105, CIS190, CIS238DL, CIS238RH, CNT140AB, ITS110)
8. Identify and describe basic security issues of operating systems. (BPC270, CIS105, CIS126DL, CIS126RH, CIS238DL, CIS238RH, , ITS110, ITS240, MST150++)
9. Identify perpetrators, their resources, and their motivations in cyberspace. (CIS111, CIS290AC, CIS298AC, ITS110, ITS120, ITS240)
10. Compare and contrast offensive and defensive resources used in cybersecurity ecosystems/environment. (CIS290AC, CIS298AC, ITS110, ITS240)
11. Delineate differences between the moral, behavioral, ethical, and legal ramifications found in the cybersecurity world. (CIS105, CIS111, CIS156, ITS120)
12. Apply knowledge of regulatory and legal requirements to ensure compliance. (CIS111, CIS290AC, CIS298AC, ITS120, ITS240)
13. Apply risk analysis methodologies to identify potential vulnerabilities, associated impacts, and recommend appropriate responses. (CIS111, CIS238DL, CIS238RH, CIS290AC, CIS298AC, ITS110, ITS120, ITS240)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

### Program Prerequisites: None

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### Required Courses

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The following courses are required and included in CCL Cybersecurity Fundamentals.

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3)

OR

MST150++ Any Microsoft Windows course (3) 3

CIS105 Survey of Computer Information Systems 3

CIS111 Ethics in Information Technology (3) OR  
ITS120 Legal, Ethical and Regulatory Issues (3) 3

CIS126DL Linux Operating System (3) OR  
CIS126RH Red Hat System Administration I (3) 3

+ CIS156 Python Programming: Level I 3

+ CIS190 Introduction to Networking (3) OR  
CNT140AB Introduction to Networks (4) 3-4

+ ITS110 Information Security Fundamentals 3  
+ ITS240 Ethical Hacking and Network Defense 3

The following courses are required in Cyber Operations

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3

+ CIS238DL Linux System Administration (3) OR

**Credits: 41-42**

- + CIS238RH Red Hat System Administration II (3) 3
  
  - + CIS290AC Computer Information Systems Internship (3) OR
  - + CIS298AC Special Projects (3) 3
  
  - + ITS291 Computer Forensics Foundations 4
  - + ITS292 Advanced Computer Forensics 4
- 

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**COMPUTER AND  
INFORMATION  
TECHNOLOGY**



## Cybersecurity

Major: **3197**  
 First Term: **2021 Fall**  
 Final Term: **Current**  
 Initiating College: **Estrella Mountain Community College**  
 Program Availability: **CG, EM, GC, GW, MC, PC, PV, RS, SC, SM**  
 Field of Interest: **Computer and Information Technology**

Award: **AAS**  
 Total Credits: **61-74**  
 CIP Code: **11.1003**  
 Instructional Council: **Computer Information Systems (12)**  
 GPA: **2.0**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**15-1122.00 Information Security Analysts**

**15-1142.00 Network and Computer Systems Administrators**

**15-1152.00 Computer Network Support Specialists**

**Upon completion of a bachelor's degree, students may pursue a career as:**

**11-3021.00 Computer and Information Systems Managers**

**15-1241.00 Computer Network Architects**

**Description:** The Associate in Applied Science (AAS) in Cybersecurity is designed to focus on the necessary skills required to secure, protect and identify vulnerabilities in a network, including various operating systems and network devices. Emphasis is placed on developing the theoretical, legal, ethical and practical skills needed to maintain security on mission-critical networking and server systems. The program is designed to meet the training needs of government and industry employees. The program covers a variety of information security technologies and structured languages. The Cybersecurity program also focuses on the skills needed for internationally recognized IT certifications and high demands in business, industry, and government. Certificates of Completion (CCLs) are also available in the following areas: Cybersecurity Fundamentals, Cyber Operations, Linux System Administration, Microsoft, Cisco Networking CCNA Security, Cyber Engineering, and Critical Infrastructure.

## Learning Outcomes

1. Explain the fundamental components, concepts, and application of cybersecurity principles. (BPC170, BPC270, CIS105, CIS126DL, CIS126RH, CIS143, CIS156, CIS162++, CIS201, CIS202, CIS203, CIS227, CIS238DL, CIS238RH, CIS239DL, CIS240DL, CIS250, CIS262++, CIS270, CIS271DB, CIS271DL, CIS271RH, CIS272DB, CIS275DL, ITS110, ITS291, ITS292, MST150++, [FYC])
2. Describe cyber defense tools, methods, and components. (CIS156, CIS190, CIS270, CIS271DB, CIS272DB, CNT140AB, CNT150AB, ITS110, ITS240, ITS291, ITS292, (COM), (CRE))
3. Apply cyber defense methods to prepare a system to repel attacks. (CIS156, CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS272DB, CIS290AC, CIS298AC, CNT150AB, CNT160AB, CNT202, CNT205, ITS110, ITS240, [SG], [SQ])
4. Analyze common security failures and identify specific design principles that have been violated. (CIS121AH, CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS272DB, CNT202, CNT205, ITS110,

MST155DC, MST157DC, MST158DC)

5. Understand the interaction between security and system usability and the importance for minimizing the effects of security mechanisms. (CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS272DB, CNT160AB, ITS110, MST155DC, MST157DC, MST158DC)
6. Apply appropriate protocols, tools, and techniques to maximize security in the network environment. (CIS119DO, CIS156, CIS162++, CIS190, CIS201, CIS202, CIS203, CIS227, CIS262++, CIS270, CIS271DB, CIS272DB, CIS276++, CIS290AC, CIS298AC, CNT140AB, CNT150AB, CNT160AB, CNT202, CNT205, ITS110, ITS240, ITS291, ITS292, [MA], [SG], [SQ])
7. Describe the fundamental concepts, technologies, components, vulnerabilities, and issues related to networks. (BPC170, CIS105, CIS119DO, CIS143, CIS190, CIS201, CIS202, CIS238DL, CIS238RH, CIS270, CIS271DB, CIS272DB, CIS276++, CNT140AB, CNT150AB, CNT160AB, CNT202, CNT205, ITS110, (COM))
8. Identify and describe basic security issues of operating systems. (BPC270, CIS105, CIS121AH, CIS126DL, CIS126RH, CIS201, CIS238DL, CIS238RH,, CIS239DL, CIS240DL, CIS270, CIS271DB, CIS271DL, CIS271RH, CIS272DB, CIS275DL, ITS110, ITS240, MST150++, MST155DC, MST157DC, MST158DC)
9. Identify perpetrators, their resources, and their motivations in cyberspace. (CIS111, CIS143, CIS203, CIS270, CIS271DB, CIS272DB, CIS290AC, CIS298AC, ITS110, ITS120, ITS240)
10. Compare and contrast offensive and defensive resources used in cybersecurity ecosystems/environment. (CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS272DB, CIS290AC, CIS298AC, ITS110, ITS240, (COM), (CRE), [FYC])
11. Delineate differences between the moral, behavioral, ethical, and legal ramifications found in the cybersecurity world. (CIS105, CIS111, CIS143, CIS156, ITS120, (CRE) [FYC], [HU], [SB], [SG], [SQ])
12. Apply knowledge of regulatory and legal requirements to ensure compliance. (CIS111, CIS143, CIS202, CIS290AC, CIS298AC, ITS120, ITS240, (CRE), [FYC])
13. Apply risk analysis methodologies to identify potential vulnerabilities, associated impacts, and recommend appropriate responses. (CIS111, CIS143, CIS121AH, CIS201, CIS202, CIS203, CIS238DL, CIS238RH, CIS270, CIS271DB, CIS272DB, CIS290AC, CIS298AC, CNT150AB, CNT160AB, CNT202, CNT205, ITS110, ITS120, ITS240, ITS291, ITS292, MST155DC, MST157DC, MST158DC, [MA])
14. Communicate professionally in formal and informal situations to diverse audiences. (BPC270, CIS105, CIS111, CIS143, CIS156, CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS271DL, CIS271RH, CIS272DB, CIS275DL, CIS290AC, CIS298AC, ITS110, ITS120, ITS240, (COM), [FYC], [HU], [SB], [SG], [SQ])
15. Collaborate with others to solve cybersecurity problems. (CIS105, CIS111, CIS143, CIS201, CIS202, CIS203, CIS270, CIS271DB, CIS271DL, CIS271RH, CIS272DB, CIS275DL, CIS290AC, CIS298AC, ITS110, ITS120, ITS240, ITS291, ITS292, (COM), [SG], [SQ])

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:**

[AAS/3097 Information Technology: Network and Cyber Security](#)

[AAS/3160 IT and Power Systems Security](#)

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**Program Prerequisites: None**

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## Required Courses

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+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
 MST150++ Any Microsoft Windows course (3) 3  
 (MST150++ required for Microsoft System Administration specialization and  
 Critical Infrastructure specialization)

**Credits:  
24-28**

CIS105 Survey of Computer Information Systems 3

CIS111 Ethics in Information Technology (3) OR  
 ITS120 Legal, Ethical and Regulatory Issues (3) 3

CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) 3

+ CIS156 Python Programming: Level I 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (4) 3-4  
 (CNT140AB required for Cisco Network Administration and Security  
 specialization and Critical Infrastructure specialization)

+ CIS271DB Information Security Essentials (3) AND  
 + CIS272DB Information Security Principles (3) OR  
 + CIS270 Essentials of Network and Information Security (3) OR  
 + ITS110 Information Security Fundamentals (3) 3-6  
 (ITS110 required for Cyber Operations specialization; CIS271DB AND  
 CIS272DB required for Critical Infrastructure specialization)

+ ITS240 Ethical Hacking and Network Defense 3

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## Restricted Electives

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Students must complete 15-18 credits from the following list of courses. Courses that are required for a specialization in Cyber Operations, Linux System Administration, Microsoft System Administration, Cisco Network Administration and Security, Cyber Engineering, and/or Critical Infrastructure are noted. Courses cannot be repeated for credit.

**Credits:  
15-18**

Specialization I: Cyber Operations

Credits: 17

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3

+ CIS238DL Linux System Administration (3) OR  
 + CIS238RH Red Hat System Administration II (3) 3

+ CIS290AC Computer Information Systems Internship (3) OR  
 + CIS298AC Special Projects (3) 3

+ ITS291 Computer Forensics Foundations 4  
 + ITS292 Advanced Computer Forensics 4

## Specialization I: Advanced Computer Forensics

### Specialization II: Linux System Administration

Credits: 15

- + CIS238DL Linux System Administration (3) OR
- + CIS238RH Red Hat System Administration II (3) 3

- + CIS239DL Linux Shell Scripting 3
- + CIS240DL Linux Network Administration 3

- + CIS271DL Linux Security (3) OR
- + CIS271RH Red Hat System Administration IV (3) 3

- + CIS275DL Linux Capstone 3

### Specialization III: Microsoft System Administration

Credits: 15

- CIS121AH Microsoft PowerShell/Command Line Operations 3
- + MST155DC Installation, Storage, and Compute with Windows Server 4
- + MST157DC Networking with Windows Server 4
- + MST158DC Identity Management with Windows Server 2016 4

### Specialization IV: Cisco Network Administration and Security

Credits: 16

- CNT140AB Introduction to Networks 4
- + CNT150AB Switching, Routing, and Wireless Essentials 4
- + CNT160AB Enterprise Networking, Security, and Automation 4
- + CNT202 Cisco Secure Firewall Appliance Configuration (4) OR
- + CNT205 Cisco Certified Network Associate Security (4) 4

### Specialization V: Cyber Engineering

Credits: 18

- + CIS119DO Introduction to Oracle: SQL (3) OR
- + CIS276++ Any SQL Database course (3) 3
- + CIS162++ Any C Programming: Level I course 3  
(Students intending to transfer to U of A South should take CIS162 C Programming)

CIS227 Assembler Language 3

- + CIS238DL Linux System Administration (3) OR
- + CIS238RH Red Hat System Administration II (3) 3

- + CIS250 Management of Information Systems 3
- + CIS262++ Any C Programming: Level II course 3

### Specialization VI: Critical Infrastructure

Credits: 16

- + CIS143 Introduction to Critical Infrastructure Protection 3
- + CIS201 Introduction to Operational Technology 3

- + CIS202 Introduction to Smart Grid Security 3
- + CIS203 Principles of the Risk Management Framework 3
- + CNT150AB Switching, Routing, and Wireless Essentials 4

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## General Education Requirements

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### General Education Requirement

**Credits: 22-28**

### General Education Core

**Credits: 12-18**

### First-Year Composition

**Credits: 6**

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) AND
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) 3

### Oral Communication

**Credits: 3**

- COM100 Introduction to Human Communication (3) OR
- COM110 Interpersonal Communication (3) OR
- + COM225 Public Speaking (3) OR
- COM230 Small Group Communication (3) 3

COM100 required for students intending to transfer to ASU West to earn a Bachelor of Science in Applied Computing (Cybersecurity).

### Critical Reading

**Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
- Equivalent as indicated by assessment (0) 0-3

### Mathematics

**Credits: 3-6**

Any approved general education course in the Mathematics area. 3-6

### General Education Distribution

**Credits: 10**

### Humanities, Arts and Design

**Credits: 3**

Any approved general education course(s) in the Humanities, Arts and Design area.

### Social-Behavioral Sciences

**Credits: 3**

Any approved general education course(s) in the Social-Behavioral Sciences area.

**Natural Sciences****Credits: 4**

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Any approved general education course(s) from the Natural Sciences area.

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Cybersecurity Fundamentals

Major: **5154** Initiating College: **South Mountain Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **24-31** GPA: **2.0**  
 CIP Code: **11.1003**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**15-1212.00 Information Security Analysts**

**15-1244.00 Network and Computer Systems Administrators**

**15-1231.00 Computer Network Support Specialists**

**Upon completion of a bachelor's degree, students may pursue a career as:**

**11-3021.00 Computer and Information Systems Managers**

**15-1241.00 Computer Network Architects**

**Description:** The Certificate of Completion (CCL) in Cybersecurity Fundamentals is designed to focus on the necessary skills required to secure, protect and identify vulnerabilities in a network, including various operating systems and network devices. Emphasis is placed on developing the theoretical, legal, ethical and practical skills needed to maintain security on mission-critical networking and server systems. The program is designed to provide applied skills necessary for government and industry employees. The program covers a variety of information security technologies and structured languages. The Cybersecurity program also focuses on the skills needed for internationally recognized IT certifications and high demands in business, industry, and government. An Associate in Applied Science (AAS) in Cybersecurity is also available.

## Learning Outcomes

1. Explain the fundamental components, concepts, and application of cybersecurity principles. (BPC270, CIS105, CIS126DL, CIS126RH, CIS156, CIS270, CIS250, CIS271DB, CIS272DB, ITS110, MST150++)
2. Describe cyber defense tools, methods, and components. (CIS156, CIS190, CIS270, CIS250, CIS271DB, CIS272DB, CNT140AB, ITS110, ITS240)
3. Apply cyber defense methods to prepare a system to repel attacks. (CIS156, CIS270, CIS250, CIS271DB, CIS272DB, ITS110, ITS240)
4. Analyze common security failures and identify specific design principles that have been violated. (CIS270, CIS271DB, CIS272DB, ITS110)
5. Understand the interaction between security and system usability and the importance for minimizing the effects of security mechanisms. (CIS270, CIS250, CIS271DB, CIS272DB, ITS110)
6. Apply appropriate protocols, tools, and techniques to maximize security in the network environment. (CIS156, CIS190, CIS270, CIS250, CIS271DB, CIS272DB, CNT140AB, ITS110,

## ITS240)

7. Describe the fundamental concepts, technologies, components, vulnerabilities, and issues related to networks. (CIS105, CIS190, CIS270, CIS250, CIS271DB, CIS272DB, CNT140AB, ITS110)

8. Identify and describe basic security issues of operating systems. (BPC270, CIS105, CIS126DL, CIS126RH, CIS270, CIS250, CIS271DB, CIS272DB, ITS110, ITS240, MST150++)

9. Identify perpetrators, their resources, and their motivations in cyberspace. (CIS111, CIS270, CIS250, CIS271DB, CIS272DB, ITS110, ITS120, ITS240)

10. Compare and contrast offensive and defensive resources used in cybersecurity ecosystems/environment. (CIS270, CIS250, CIS271DB, CIS272DB, ITS110, ITS240)

11. Delineate differences between the moral, behavioral, ethical, and legal ramifications found in the cybersecurity world. (CIS105, CIS111, CIS156, ITS120)

12. Apply knowledge of regulatory and legal requirements to ensure compliance. (CIS111, ITS120, ITS240)

13. Apply risk analysis methodologies to identify potential vulnerabilities, associated impacts, and recommend appropriate responses. (CIS111, CIS270, CIS271DB, CIS272DB, ITS110, ITS120, ITS240)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces: [CCL/5530 Information Technology: Network and Cyber Security](#)**

### Program Prerequisites: None

### Required Courses

|  | <b>Credits: 24-31</b> |
|--|-----------------------|
| + BPC270 A+ Exam Prep: Operating System Configuration and Support (3)<br>OR<br>MST150++ Any Microsoft Windows course (3) 3 |                       |
| CIS105 Survey of Computer Information Systems 3  |                       |
| CIS111 Ethics in Information Technology (3) OR<br>ITS120 Legal, Ethical and Regulatory Issues (3) 3                        |                       |
| CIS126DL Linux Operating System (3) OR<br>CIS126RH Red Hat System Administration I (3) 3                                   |                       |
| + CIS156 Python Programming: Level I 3   |                       |
| + CIS190 Introduction to Networking (3) OR<br>CNT140AB Introduction to Networks (4) 3-4                                    |                       |
| + CIS250 Management of Information Systems (3) 0-3<br>Only students taking CIS271DB would be required to take CIS250.      |                       |
| + CIS270 Essentials of Network and Information Security (3)<br>OR  |                       |

- + CIS271DB Information Security Essentials (3) AND
  - + CIS272DB Information Security Principles (3)
  - OR
  - + ITS110 Information Security Fundamentals (3) 3-6
  
  - + ITS240 Ethical Hacking and Network Defense 3
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+ indicates course has prerequisites and/or corequisites.  
++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Data Analytics

|  |   |
|--|---|
| Major: <b>5884</b>   | Primary College: <b>Estrella Mountain Community College</b>     |
| First Term: <b>2021 Fall</b>   | Program Availability: <b>EM, GW, MC, PV, SC</b>                 |
| Final Term: <b>Current</b>   | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>  | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>18-24</b>  | GPA: <b>2.0</b>   |
| CIP Code: <b>52.1301</b>   |   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career as:<br/>15-2031.00 Operations Research Analysts</b> |   |

**Description:** The Certificate of Completion (CCL) in Data Analytics program is designed to prepare students to model, synthesize, analyze, and present large data sets for business decision making. Courses will focus on the techniques and computer software used in industry to extract data from various data sources, model and integrate that data, and then visualize this data for business decision making and intelligence gathering.

## Learning Outcomes

1. Use a computer spreadsheet program to create, store, modify, and print electronic spreadsheets. (CIS114DE, CIS214DA)
2. Demonstrate the skills needed to set up, maintain, and use a database management program. (CIS117DM)
3. Design and create database structures to store, retrieve, update, and display data in a relational database using SQL. (CIS214DA, CIS217AM, CIS276DA, CIS276DB)
4. Identify the fundamental characteristics and functions of modern business, including business principles, marketing, labor relations, and business risk. (GBS151)
5. Solve probability applications. (GBS220, MAT15+)
6. Distinguish between continuous and discrete variables for business intelligence. (CIS214DA, GBS220)
7. Calculate and interpret descriptive statistics for either raw or grouped data. (CIS214DA, GBS220)
8. Use descriptive and inferential statistical techniques and confidence levels for decision making when testing hypotheses. (CIS214DA, GBS220, MAT15+)
9. Use regression and correlation analysis to interpret the results. (CIS214DA, GBS220, GBS221, MAT15+)
10. Apply data modeling techniques for data visualization and informed decision making. (CIS214DA)

## Program Notes

Students must earn a grade of C or better in all courses within the program.

CIS214DE is not equivalent to CIS214DA for the purposes of this certificate and should not be used to complete program requirements. Students who have completed GBS221 can use this course in lieu

of GBS220.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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CIS114DE Excel Spreadsheet 3

**Credits: 18-24**

CIS117DM Microsoft Access: Database Management 3

+ CIS214DA Advanced Excel for Data Analytics 3

+ CIS217AM Advanced Microsoft Access: Database Management (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

GBS151 Introduction to Business 3

+ GBS220 Quantitative Methods in Business (3) OR

+ GBS221 Business Statistics (3) 3

+ MAT150 College Algebra/Functions (5) OR

+ MAT151 College Algebra/Functions (4) OR

+ MAT152 College Algebra/Functions (3) OR

+ MAT155 College Algebra/Functions with Review (5) OR

+ MAT156 College Algebra/Functions with Review (6) OR

Satisfactory District math placement (0) 0-6

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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Fre All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



## Database Development

|   |   |
|---|---|
| Major: <b>5083</b>  | Primary College: <b>Scottsdale Community College</b>            |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>EM SC</b>                              |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>24</b>  | GPA: <b>2.0</b>   |
| CIP Code: <b>11.0802</b>  |   |
| SOC Code: <b>Upon completion of this certificate students may pursue a career as:<br/>15-1141 Database Administrators</b> |   |

**Description:** The Certificate of Completion (CCL) in Database Development prepares students to design and implement the infrastructure for business solutions using database and programming tools. The program focuses on administrative tasks and building database applications using programming skills such as data collection, query techniques, and database creation. This certificate can embed into the Associate in Applied Science (AAS) degree in Information Technology.

### Learning Outcomes

1. Solve business problems using the components of a database management system. (CIS105, CIS117DM, CIS119DO, CIS154, CIS164AB, CIS217AM, CIS276DA, CIS276DB)
2. Design a comprehensive data model using an entity-relationship (ER) diagram that reflects the business requirements. (CIS117DM, CIS119DO, CIS154, CIS217AM, CIS276DA, CIS276DB)
3. Create database structures to store, retrieve, and update data using SQL. (CIS105, CIS117DM, CIS119DO, CIS164AB, CIS217AM, CIS276DA, CIS276DB).
4. Write SQL procedures and functions to automate solutions to a variety of business problems. (CIS164AB, CIS217AM, CIS276DA, CIS276DB)
5. Develop programs using structured design and logic tools. (CIS150++, CIS156, CIS159, CIS162AD, CIS163AA)
6. Use programming language to solve a variety of business problems. (CIS105, CIS150++, CIS156, CIS159, CIS162AD, CIS163AA)
7. Evaluate business computer systems using appropriate object-oriented analysis and design methods. (CIS225AB)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems 3

**Credits: 24**

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS154 Database Modeling and Design (3) 3

+ CIS119DO Introduction to Oracle: SQL 3

+ CIS150++ Programming Fundamentals 3

+ CIS156 Python Programming: Level I (3) OR

+ CIS159 Visual Basic Programming I (3) OR

+ CIS162AD C#: Level I (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS164AB Oracle: PL/SQL Programming (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

+ CIS217AM Advanced Microsoft Access: Database Management 3

+ CIS225AB Object-Oriented Analysis and Design 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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**COMPUTER AND  
INFORMATION  
TECHNOLOGY**



## Desktop Support

|   |   |
|---|---|
| Major: <b>5043</b>  | Primary College: <b>Mesa Community College</b>                  |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>CG EM GC GW MC PC PV RS SC SM</b>      |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>19-22</b>   | GPA: <b>2.0</b>   |
| CIP Code: <b>11.1006</b>  |   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career with the following job fields:</b> |   |
| <b>15-1232.00 Computer User Support Specialists</b>   |   |
| <b>49-2011.00 Computer, Automated Teller, and Office Machine Repairers</b>  |   |

**Description:** The Certificate of Completion (CCL) in Desktop Support program is designed to prepare students for entry-level computer maintenance, help desk, and network technician jobs. The classes focus on the development of knowledge and skills in computer, network, and security technologies, as well as the interpersonal skills in customer service/technical support needed to be successful within the industry. Depending on course selection, this program helps prepare students for the CompTIA A+, CompTIA Network+, and/or CompTIA Linux+ certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

## Learning Outcomes

1. Assess computer hardware and software using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC170, BPC270, CIS126DL, CIS126RH, BPC171, CIS290AA, CIS290AB, CIS290AC, CIS296WB, CIS296WC, CIS298AA, CIS298AB, CIS298AC)
2. Demonstrate effective customer service, teamwork, and communication skills in accordance with the professional and ethical conventions within the field of information technology. (CIS102DA, CIS290AA, CIS290AB, CIS290AC)
3. Demonstrate proficiency in word processing, spreadsheet, database, and presentation applications. (CIS105)
4. Assess operating systems using critical thinking, industry standard tools, and best practices to demonstrate proper installation, configuration, maintenance, troubleshooting, and service. (BPC270, CIS126DL, CIS126RH, BPC171, CIS290AA, CIS290AB, CIS290AC, CIS296WB, CIS296WC, CIS298AA, CIS298AB, CIS298AC)
5. Explain networking concepts including topologies, IP addressing, protocols, and basic design. (CIS190, CNT140AB)
6. Demonstrate the skills required to install, configure, administer and troubleshoot a data network. (CIS100, CNT140AB)



(CIS190, CNT140AB)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces [CCL/5841 Microsoft Technical Specialist](#)**

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**Program Prerequisites: None**

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### Required Courses

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|  |                           |
|--|---------------------------|
| + BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3   | <b>Credits:<br/>18-19</b> |
| + BPC270 A+ Exam Prep: Operating System Configuration and Support 3  |                           |
| CIS102DA Customer User Support 3   |                           |
| CIS105 Survey of Computer Information Systems 3  |                           |
|  |                           |
| CIS126DL Linux Operating System (3) OR   |                           |
| CIS126RH Red Hat System Administration I (3) 3   |                           |
|  |                           |
| + CIS190 Introduction to Networking (3) OR   |                           |
| CNT140AB Introduction to Networks (4) 3-4  |                           |
| (Note: CNT140AB is recommended for students interested in pursuing their Cisco Network Administration Certification) |                           |

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### Restricted Electives

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|   |                     |
|---|---------------------|
| Students must select one to three (1-3) credits from the following: | <b>Credits: 1-3</b> |
| BPC171 Recycling Used Computer Technology 1                         |                     |
| + CIS290AA Computer Information Systems Internship 1                |                     |
| + CIS290AB Computer Information Systems Internship 2                |                     |
| + CIS290AC Computer Information Systems Internship 3                |                     |
| + CIS296WB Cooperative Education 2                                  |                     |
| + CIS296WC Cooperative Education 3                                  |                     |
| + CIS298AA Special Projects 1                                       |                     |
| + CIS298AB Special Projects 2                                       |                     |
| + CIS298AC Special Projects 3                                       |                     |

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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| <p>All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.</p> |
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## Early Childhood Education

Major: **3186**                                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**                                      Program Availability: **CG EM GC MC PC PV RS SM**  
 Final Term: **Current**                                      Field of Interest: **Education**

Award: **AAS**                                      Instructional Council: **Early Childhood Education (62)**  
 Total Credits: **60-71**  
 CIP Code: **13.1210**                                      GPA: **2.00**

SOC Code: **Upon completion of this degree, students may pursue a career as:**  
**25-2011 Preschool Teachers, Except Special Education**  
**11-9031 Education Administrators, Preschool and Childcare Center/Program**  
**25-9041 Teacher Assistants**

**Upon completion of a bachelor`s degree, students may pursue a career as:**  
**25-2012 Kindergarten Teachers, Except Special Education**  
**25-2051 Special Education Teachers, Preschool**  
**25-2052 Special Education Teachers, Kindergarten and Elementary School**

**Description:** The Associate in Applied Science (AAS) in Early Childhood Education (ECE) program is designed to prepare individuals for employment as early childhood professionals in a variety of educational settings. The AAS program includes courses based on current ECE theory and practice as well as general education classes to broaden a student`s base of knowledge. Certificates of Completion are also available.

### Learning Outcomes

1. Design developmentally, culturally, and linguistically appropriate learning experiences that promote each child`s growth and development in the following domains: Social-Emotional, Physical, Cognitive, and Language and Literacy. (CFS101AH, CFS/ECH176, CFS235, CFS/ECH284AB, ECH128, ECH281, EED200, EED205, EED210, EED225, EED260, EED261, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++, [HU])
2. Implement developmentally, culturally, and linguistically appropriate learning experiences. (CFS101AH, CFS/ECH284AB, ECH128, ECH272, CFS/ECH273, CFS/ECH275, ECH279, ECH281, EED210, EED260, EED261, EED278, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++, (COM), [HU], [MA], [SG], [SQ])
3. Maintain a safe, caring, inclusive, and healthy learning environment according to best practices and local, state, and national standards. (CFS123, CFS125, CFS/ECH271, CFS282, CFS/ECH284AB, CFS/ECH269, ECH280, ECH282, EDU222, EED212, EED215, EED222, EED255, EED260, EED261, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++, [HU], [SG], [SQ])
4. Assess children`s learning and development through observation and documentation, using guidelines established by the profession. (CFS/ECH176, CFS235, CFS/ECH284AB, ECH140, CFS/ECH269, ECH270, EED200, EED205, EED255, EED260, EED261, EED280, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++, [HU], [SG], [SQ])

EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (CRE) , [MA] , [SG] , [SQ]

5. Establish reciprocal, culturally responsive relationships with families and communities. (CFS123, CFS125, CFS/ECH271, CFS282, ECH280, ECH282, EED212, EED215, EED225, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , (COM) , [HU])

6. Utilize communication skills to advocate for children and their families. (CFS/ECH269, CFS/ECH287, EDU222, EED200, EED222, EED225, EED255, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (COM) , (CRE) , [HU])

7. Practice ethical and professional standards and behavior. (CFS/ECH284AB, CFS/ECH269, CFS/ECH287, EED200, EED255, EED260, EED261, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (COM) , (CRE) , [HU])

8. Advocate for an ethical, equitable, diverse, and effective early childhood education profession. (CFS/ECH269, CFS/ECH287, EDU222, EED200, EED222, EED225, EED255, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (COM) , (CRE) , [HU])

9. Engage in reflective practice and continuous learning through education and research. (CFS/ECH271, CFS282, CFS/ECH284AB, ECH140, CFS/ECH269, ECH270, ECH272, CFS/ECH273, CFS/ECH275, ECH279, ECH282, CFS/ECH287, EDU222, EED212, EED222, EED255, EED260, EED261, EED278, EED280, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (CRE) , [MA] , [SG] , [SQ])

10. Collaborate with peers to problem solve within early childhood education and other disciplines. (CFS/ECH284AB, CFS/ECH269, ECH272, CFS/ECH273, CFS/ECH275, ECH279, CFS/ECH287, EDU222, EED222, EED255, EED260, EED261, EED278, CFS+++ , EDU+++ , EED+++ , ECH+++ , FCS+++ , ITD+++ , [FYC] , (COM) , (CRE) , [HU] , [MA] , [SG] , [SQ])

### Program Notes

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of C or better for all courses within the program.

For some employment and field experiences (including internship courses), students will be required to have a current Identity Verified Print (IVP) Fingerprint Clearance Card and a current TB vaccination.

#### This program replaces:

[AAS/3007 Early Childhood Education](#)

[AAS/3109 Early Childhood Administration and Management](#)

[AAS/3124 Early Learning and Development](#)

[AAS/3356 Early Childhood Education and Administration: Birth through Age Five](#)

[AAS/3836 Early Childhood Education](#)

#### Program Prerequisites: None

### Required Courses

CFS/ECH176 Child Development (3) OR  
 CFS235 Developing Child: Theory into Practice, Prenatal - Age 8 (3) OR  
 EED205 The Developing Child: Prenatal to Age Eight (3) 3

EED225 Language and Literacy in the Context of Culture and Relationships 3

CFS101AH Art Activities for the Young Child (1) AND  
 ECH281 Movement/Music for the Young Child (1) OR

**Credits:  
29-34**

+ EED210 Creative and Cognitive Play (3) OR  
 ECH128 Early Learning: Play and the Arts (3) 2-3

EED200 Foundations of Early Childhood Education 3

CFS/ECH271 Arranging the Environment (1) AND  
 CFS282 Mainstreaming The Young Child with A Disability (1) AND  
 ECH282 Discipline/Guidance of Child Groups (1) OR  
 EED212 Guidance, Management and the Environment (3) 3

CFS123 Health and Nutrition In Early Childhood Settings (1) AND  
 CFS125 Safety in Early Childhood Settings (1) AND  
 ECH280 Food Experiences With Young Children (1) OR  
 EED215 Early Learning: Health, Safety, Nutrition and Fitness (3) 3

EED222 Introduction to the Exceptional Young Child: Birth to Age Eight (3) OR  
 EDU222 Introduction to the Exceptional Learner (3) 3

CFS/ECH269 Child Care Seminar (1) AND  
 CFS/ECH287 Professional Development in Early Childhood Education (1) OR  
 EED255 Portfolio Development and Writing for the Profession (3) 2-3

+ CFS/ECH284AB Early Childhood Teaching Internship (3) OR  
 + EED260 Early Childhood Infant/Toddler Internship (1) AND  
 + EED261 Early Childhood Preschool Internship (1) 2-3

ECH272 Science for the Young Child (1) AND  
 CFS/ECH273 Math for the Young Child (1 ) AND  
 CFS/ECH275 Literacy Development and the Young Child (1) AND  
 ECH279 Early Childhood Curriculum Development (1) OR  
 + EED278 Early Learning: Curriculum and Instruction - Birth/Preschool (3) 3-4

ECH140 Learning Made Visible Through Documentation (1) AND  
 ECH270 Observing Young Children (1) OR  
 + EED280 Standards, Observation and Assessment of Typical/Atypical  
 Behaviors of Young Children Birth Age Eight (3) 2-3

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### Restricted Electives

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Students must select 9-12 credits from the following and must complete a minimum of 60 credits for the degree. Students are encouraged to consult with a faculty advisor or student services analyst to identify the requirements for their desired academic and professional goals:

**Credits:  
9-12**

CFS+++ Any CFS Child/Family Studies course(s)  
 ECH+++ Any ECH Early Childhood Education course(s)  
 EDU+++ Any EDU Education course(s)  
 EED+++ Any EED Early Education course(s)  
 FCS+++ Any FCS Family and Consumer Science course(s)  
 ITD+++ Any ITD Infant/Toddler Development course(s)

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|                                      |                       |
|--------------------------------------|-----------------------|
| <b>General Education Requirement</b> | <b>Credits: 19-25</b> |
|--------------------------------------|-----------------------|

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|                               |                       |
|-------------------------------|-----------------------|
| <b>General Education Core</b> | <b>Credits: 12-18</b> |
|-------------------------------|-----------------------|

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|                               |                   |
|-------------------------------|-------------------|
| <b>First-Year Composition</b> | <b>Credits: 6</b> |
|-------------------------------|-------------------|

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- + ENG101 First-Year Composition (3) OR
  - + ENG107 First-Year Composition for ESL (3) AND
  - + ENG102 First-Year Composition (3) OR
  - + ENG108 First-Year Composition for ESL (3)
- 

|                           |                   |
|---------------------------|-------------------|
| <b>Oral Communication</b> | <b>Credits: 3</b> |
|---------------------------|-------------------|

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Any approved general education course from the Oral Communication area.

Note: COM225 is recommended for students who wish to transfer to the BAE at ASU.

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|                         |                     |
|-------------------------|---------------------|
| <b>Critical Reading</b> | <b>Credits: 0-3</b> |
|-------------------------|---------------------|

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- + CRE101 College Critical Reading and Critical Thinking (3) OR
  - Equivalent as indicated by assessment
- 

|                    |                     |
|--------------------|---------------------|
| <b>Mathematics</b> | <b>Credits: 3-6</b> |
|--------------------|---------------------|

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Any approved general education course in the Mathematical Applications [MA] area (3-6) 3-6

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|                                       |                   |
|---------------------------------------|-------------------|
| <b>General Education Distribution</b> | <b>Credits: 7</b> |
|---------------------------------------|-------------------|

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|                                    |                   |
|------------------------------------|-------------------|
| <b>Humanities, Arts and Design</b> | <b>Credits: 3</b> |
|------------------------------------|-------------------|

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Any approved general education course from the Humanities, Arts and Design area.

Recommend: EDU/ENH291 Children`s Literature OR EDU/HUM/STO292 The Art of Storytelling

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|                                   |                   |
|-----------------------------------|-------------------|
| <b>Social-Behavioral Sciences</b> | <b>Credits: 0</b> |
|-----------------------------------|-------------------|

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Fulfilled by EDU222 or EED222 in Required Courses area.

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|                         |                   |
|-------------------------|-------------------|
| <b>Natural Sciences</b> | <b>Credits: 4</b> |
|-------------------------|-------------------|

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Any approved general education course from the Natural Sciences area.

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Early Childhood Education

Major: **5056** Primary College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV RS SM**  
 Final Term: **Current** Field of Interest: **Education**

Award: **CCL** Instructional Council: **Early Childhood Education (62)**  
 Total Credits: **36** GPA: **2.0**  
 CIP Code: **13.1210**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**25-2011 Preschool Teachers, Except Special Education**  
**25-9041 Teacher Assistants**

**Description:** The Certificate of Completion (CCL) in Early Childhood Education program is designed to prepare students for employment as early childhood teachers in a variety of educational programs. Students learn effective teaching skills as they apply developmentally appropriate early childhood educational theory in the classroom setting. Courses have been selected with a focus on developing an educational career ladder. An Associate in Applied Science (AAS) in Early Childhood Education is also available and includes additional early childhood electives and general education classes to broaden the student's base of knowledge.

### Program Notes:

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of C or better for all courses within the program.

For some employment and field experiences (including internship courses), students will be required to have a current Identity Verified Print (IVP) Fingerprint Clearance Card and a current TB vaccination.

### This program replaces:

[CCL/5016 Early Childhood Education](#)

[CCL/5356 Early Childhood Education and Administration: Birth through Age Five](#)

[CCL/5358 Early Care Specialist](#)

[CCL/5374 Early Childhood Education](#)

### Program Prerequisites: None

### Required Courses

CFS/ECH176 Child Development (3) OR  
 CFS235 Developing Child: Theory into Practice, Prenatal - Age 8 (3) OR  
 EED205 The Developing Child: Prenatal to Age Eight (3) 3

**Credits:**  
**29-34**

EED200 Foundations of Early Childhood Education 3

CFS/ECH271 Arranging the Environment (1) AND  
 CFS282 Mainstreaming The Young Child with A Disability (1) AND  
 ECH282 Discipline/Guidance of Child Groups (1) OR  
 EED212 Guidance, Management and the Environment (3) 3

CFS123 Health and Nutrition In Early Childhood Settings (1) AND  
 CFS125 Safety in Early Childhood Settings (1) AND  
 ECH280 Food Experiences With Young Children (1) OR  
 EED215 Early Learning: Health, Safety, Nutrition and Fitness (3) 3

CFS101AH Art Activities for the Young Child (1) AND  
 ECH281 Movement/Music for the Young Child (1) OR  
 ECH128 Early Learning: Play and the Arts (3) OR  
 + EED210 Creative and Cognitive Play (3) 2-3

EED222 Introduction to the Exceptional Young Child: Birth to Age Eight (3) OR  
 EDU222 Introduction to the Exceptional Learner (3) 3

ECH272 Science for the Young Child (1) AND  
 CFS/ECH273 Math for the Young Child (1 ) AND  
 CFS/ECH275 Literacy Development and the Young Child (1) AND  
 ECH279 Early Childhood Curriculum Development (1) OR  
 + EED278 Early Learning: Curriculum and Instruction - Birth/Preschool (3) 3-4

EED225 Language and Literacy in the Context of Culture and Relationships 3

ECH140 Learning Made Visible Through Documentation (1) AND  
 ECH270 Observing Young Children (1) OR  
 + EED280 Standards, Observation and Assessment of Typical/Atypical  
 Behaviors of Young Children Birth Age Eight (3) 2-3

CFS/ECH269 Child Care Seminar (1) AND  
 CFS/ECH287 Professional Development in Early Childhood Education (1) OR  
 EED255 Portfolio Development and Writing for the Profession (3) 2-3

+ CFS/ECH284AB Early Childhood Teaching Internship (3) OR  
 + EED260 Early Childhood Infant/Toddler Internship (1) AND  
 + EED261 Early Childhood Preschool Internship (1) 2-3

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### Restricted Electives

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Students must select 2-7 credits from the following courses to meet a minimum of 36 credits for the certificate. Cannot be shared with Required Courses Area.

**Credits:  
2-7**

CFS+++ Any CFS Child/Family Studies course(s)  
 ECH+++ Any ECH Early Childhood Education course(s)  
 EDU+++ Any EDU Education course(s)  
 EED+++ Any EED Early Education course(s)  
 FCS+++ Any FCS Family and Consumer Science course(s)  
 ITD+++ Any ITD Infant/Toddler Development course(s)



## Program Competencies

1. Design developmentally, culturally, and linguistically appropriate learning experiences that promote each child's growth and development in the following domains: Social-Emotional, Physical, Cognitive, and Language and Literacy. (CFS101AH, CFS/ECH176, CFS235, CFS/ECH284AB, ECH128, ECH281, EED200, EED205, EED210, EED225, EED260, EED261, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
2. Implement developmentally, culturally, and linguistically appropriate learning experiences. (CFS101AH, CFS/ECH284AB, ECH128, ECH272, ECH273, ECH275, ECH279, ECH281, EED210, EED260, EED261, EED278, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
3. Implement the components necessary for a safe, caring, inclusive, and healthy learning environment according to best practices and local, state, and national standards. (CFS123, CFS125, CFS/ECH271, CFS282, CFS/ECH284AB, ECH269, ECH280, ECH282, EDU222, EED212, EED215, EED222, EED255, EED260, EED261, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
4. Assess children's learning and development through observation and documentation, using guidelines established by the profession. (CFS/ECH176, CFS235, CFS/ECH284AB, ECH140, ECH269, ECH270, EED200, EED205, EED255, EED260, EED261, EED280, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
5. Establish reciprocal, culturally responsive relationships with families and communities. (CFS123, CFS125, CFS/ECH271, CFS282, ECH280, ECH282, EED212, EED215, EED225, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
6. Practice communication skills to advocate for children and their families. (ECH269, ECH287, EDU222, EED200, EED222, EED225, EED255, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
7. Practice ethical and professional standards and behavior. (CFS/ECH284AB, ECH269, ECH287, EED200, EED255, EED260, EED261, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
8. Advocate for an ethical, equitable, diverse, and effective early childhood education profession. (ECH269, ECH287, EDU222, EED200, EED222, EED225, EED255, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
9. Engage in reflective practice and continuous learning through education and research. (CFS/ECH271, CFS282, CFS/ECH284AB, ECH140, ECH269, ECH270, ECH272, ECH273, ECH275, ECH279, ECH282, ECH287, EDU222, EED212, EED222, EED255, EED260, EED261, EED278, EED280, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)
10. Collaborate with peers to problem solve within early childhood education. (CFS/ECH284AB, ECH269, ECH272, ECH273, ECH275, ECH279, ECH287, EDU222, EED222, EED255, EED260, EED261, EED278, CFS+++, EDU+++, EED+++, ECH+++, FCS+++, ITD+++)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Electrical Systems Technology

Major: **5844** Primary College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **College-Specific**  
 Final Term: **Current** Field of Interest: **Applied Technology**

Award: **CCL** Instructional Council: **Applied Technology (57)**  
 Total Credits: **20** GPA: **2.0**  
 CIP Code: **47.0105**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**17-3024.00 Electro-Mechanical Technicians**

**49-2094.00 Electrical and Electronics Repairers, Commercial and Industrial Equipment**

**49-9098.00 Helpers--Installation, Maintenance, and Repair Workers**

**Upon completion of an associate degree, students may pursue a career as:**

**49-9041.00 Industrial Machinery Mechanics**

**49-9043.00 Maintenance Workers, Machinery**

**49-9071.00 Maintenance and Repair Workers General**

**51-8013.00 Power Plant Operators**

**Description:** The Certificate of Completion (CCL) in Electrical Systems Technology program curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in commercial and industrial facilities. Training, most of which is hands-on, will include such topics as AC/DC theory, solid state devices, industrial motors and generators, motor control, workplace health and safety, and other subjects as local needs require. Graduates of this program can qualify for a variety of entry-level positions in electrical fields that may include on-the-job trainee or apprentice. An Associate in Applied Science (AAS) in Power Systems Technology is also available.

### Learning Outcomes

1. Demonstrate the fundamentals of workplace safety and accident prevention related to the repair and maintenance of electrical machinery and equipment per the Occupational Safety and Health Administration (OSHA). (ELC119, ELC217, ELC218, MIT120)
2. Use the appropriate electrical fundamental concepts and tools for repair and maintenance of electrical equipment. (ELC119, ELC120, ELC210, ELC217, ELC218, PPT242)
3. Use mathematical concepts of algebra and trigonometry to the industrial setting. (ELC119, ELC210, MIT120)
4. Explain the methods for producing electric power. (ELC210, PPT242)
5. Evaluate diagrams and schematics to analyze and troubleshoot the operation of electric/electronic circuits. (ELC119, ELC120, ELC217, ELC218, PPT242)
6. Describe the applications of electric motor control and variable frequency drives in commercial and industrial settings. (ELC217, ELC218)
7. Collaborate effectively within a team structure. (ELC217, ELC218, MIT120)
8. Demonstrate professionalism with conduct, ethics, and work practices. (ELC217, ELC218, MIT120)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

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**Program Prerequisites: None**

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### Required Courses

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ELC119 Concepts of Electricity and Electronics 3

**Credits: 20**

ELC120 Solid State Fundamentals 3

+ ELC210 AC Machinery and DC Machinery 3

+ ELC217 Motor Controls 3

+ ELC218 Variable Frequency Drives 3

MIT120 Industrial Technology Fundamentals 3

PPT242 Components for Maintenance Technicians 2

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 22, 2019

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**APPLIED  
TECHNOLOGY**

## Energy and Industrial Technology

Major: **5920N**                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**            Program Availability: **College Specific**  
 Final Term: **Current**              Field of Interest: **Applied Technology**

Award: **CCL**                            Instructional Council: **Occupational Administrators (53)**  
 Total Credits: **24**                    GPA: **2.0**  
 CIP Code: **47.0303**

SOC Code: **Upon completion of this certificate, students may pursue a career as a(n):**  
**49-9041.00 Industrial Machinery Mechanics**  
**49-9043.00 Maintenance Workers, Machinery**  
**49-9071.00 Maintenance and Repair Workers General**  
**49-9098.00 Helpers--Installation, Maintenance, and Repair Workers**

**Upon completion of an associate degree, students may pursue a career as a(n):**  
**17-3024.00 Electro-Mechanical Technicians**  
**49-2094.00 Electrical and Electronics Repairers, Commercial and Industrial Equipment**  
**51-8013.00 Power Plant Operators**

**Description:** The Certificate of Completion (CCL) in Energy and Industrial Technology explores the fields of electricity, electronics, instrumentation and controls, mechanical systems, industrial skills, and power skills. An Associate in Applied Science (AAS) in Power Systems Technology is also available.

Upon completion of the two-year program, students may test to receive OSHA10, American Heart Association CPR/AED and First Aid, ACT National Career Readiness Certificate, Energy Industry Fundamentals Certificate, NCCER certifications.

### Program Competencies

1. Explain various types of energy plant sectors, to include power generation, transmission, and distribution. (PPT120)
2. Utilize introductory concepts in industrial math, hand and power tools, technical drawings, rigging, and materials handling. (MIT120)
3. Practice theory and principles of industrial maintenance technology through the utilization of common trade tools, fasteners and anchors, oxyfuel cutting, gaskets and packing, technical mathematics, and technical drawings. (MIT120, MIT121)
4. Practice theory and principles of industrial maintenance technology through the use of pumps and valves, test instruments, support equipment, and lubrication. (MIT120, MIT122)
5. Identify and use maintenance valves, hydrostatic and pneumatic testing systems, bearings, and low-pressure steam systems. (MIT123)
6. Explain high pressure steam systems and auxiliaries, distillation towers and vessels, heaters, furnaces, heat exchangers, cooling towers and fin fans. (MIT124)
7. Explain National Electrical Code and concepts for electrical and instrumentation theory to include flow, pressure, level, temperature, and technician safety. (MIT133)

8. Apply industrial principles in the areas of test tubing and piping systems, instrument drawings and documents, conductors and cables, and conductor terminations and splices. (MIT134)

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### Program Notes

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**This program is not eligible for Title IV Federal Financial Aid.**

This is a closed program, available only for West-MEC High School Dual Enrollment students. Not available to the public.

Students must earn a grade of C or better in all courses within the program.

**Program Prerequisites: None**

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### Required Courses

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|  |                    |
|--|--------------------|
| MIT120 Industrial Technology Fundamentals 3                          | <b>Credits: 24</b> |
| + MIT121 Industrial Technology I-A 3                                 |                    |
| + MIT122 Industrial Technology I-B 3                                 |                    |
| + MIT123 Industrial Mechanical Technology II-A 3                     |                    |
| + MIT124 Industrial Mechanical Technology II-B 3                     |                    |
| + MIT133 Industrial Electrical and Instrumentation Technology II-A 3 |                    |
| + MIT134 Industrial Electrical and Instrumentation Technology II-B 3 |                    |
| PPT120 Energy Industry Fundamentals 3                                |                    |

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 22, 2019

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## Engineering Technology

Major: **3187** Initiating College: **Paradise Valley Community College**  
 First Term: **2020 Fall** Program Availability: **EM, GC, PV, SM**  
 Final Term: **Current** Field of Interest: **Science, Technology, Engineering and Mathematics**

Award: **AAS** Instructional Council: **Engineering (27)**  
 Total Credits: **60-68** GPA: **2.0**  
 CIP Code: **15.0000**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**17-3021.00 Aerospace Engineering and Operations Technicians**

**17-3022.00 Civil Engineering Technicians**

**17-3026.00 Industrial Engineering Technicians**

**17-3027.00 Mechanical Engineering Technicians**

**17-3027.01 Automotive Engineering Technicians**

**17-3024.00 Electro-Mechanical Technicians**

**17-3024.01 Robotics Technicians**

**Description:** The Associate in Applied Science (AAS) in Engineering Technology program prepares students as entry-level engineering technicians. They will apply basic engineering principles and technical skills to support engineers engaged in a wide variety of projects. Includes instruction in various engineering support functions, including preparation in the areas of research, production, and operations. This degree will prepare highly skilled and needed workers for area manufacturers and the tech industry.

## Learning Outcomes

1. Use computer programming, computer tools, and computer modeling as applied to engineering analysis and design. (ECE102, ECE103, ECE216, ECE216LL, CIS105, CIS150, CIS150AB, CIS156, CIS159, CIS162AB, CIS162AC, CIS162AD, CIS163AA, CSC100, CSC100AA, CSC100AB, CSC110, CSC110AA, CSC110AB)
2. Analyze engineering designs as a member of an engineering project team. (ECE102, ECE103, ECE104, ECE216, ECE216LL, ECE294++, ECE298++, PHY111, PHY111AA, PHY115, PHY121, (COM))
3. Apply principles of engineering, science, and mathematics to solve engineering problems. (ECE102, ECE103, ECE104, ECE105, ECE216, ECE216LL, CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131, ECE294++, ECE298++, [MA])
4. Apply visual and spatial reasoning to create and interpret engineering diagrams. (ECE102, ECE103, ECE216, ECE216LL, CAD100, CAD101, CAD145, DFT100, DFT110, DFT126, CON241)
5. Safely and correctly use tools and equipment for industrial and lab applications. (ECE102, ECE103, CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131)

6. Conduct appropriate experimentation and testing. (CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131)
7. Employ appropriate engineering principles to collect and interpret data. (ECE102, ECE103, ECE104, ECE105, ECE294++, ECE298++, MAT206, CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131)
8. Write technical reports consistent with engineering analysis and engineering design. (ECE102, ECE103, CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131, [FYC])
9. Demonstrate effective collaboration and participation on a diverse and inclusive team to establish goals, plan tasks, and meet objectives. (ECE102, ECE103, ECE104, ECE294++, ECE298++, CHM130, CHM130LL, CHM150, CHM150AA, CHM150AA, CHM151, CHM151LL, CHM151AA, PHY111, PHY111AA, PHY115, PHY121, PHY112, PHY116, PHY131, (COM), [HU], [SB])
10. Use effective written, visual, and oral strategies to communicate to a range of audiences. (ECE102, ECE103, ECE104, ECE294++, ECE298++, (COM), (CRE), [FYC])
11. Recognize ethical and professional responsibilities in engineering situations and the implications for society at large. (ECE102, ECE103, ECE104, ECE296++, [FYC], [HU], [SB])
12. Demonstrate creativity, curiosity, and adaptability in a variety of contexts. (ECE102, ECE103, ECE104, ECE294++, ECE298++, (CRE), [FYC])

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### Program Notes

Students must earn a grade of C or better in each course in the program.  
+ indicates course has prerequisites and/or corequisites

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### Program Prerequisites: None

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### Required Courses

**Credits: 26-33**

- + CHM130 Fundamental Chemistry (3) AND
  - + CHM130LL Fundamental Chemistry Laboratory (1)
  - OR
  - + CHM130AA Fundamental Chemistry with Lab (4)
  - OR
  - + CHM150 General Chemistry I (4) AND
  - + CHM151LL General Chemistry I Laboratory (1)
  - OR
  - + CHM150AA General Chemistry I (5)
  - OR
  - + CHM151 General Chemistry I (3) AND
  - + CHM151LL General Chemistry I Laboratory (1)
  - OR
  - + CHM151AA General Chemistry I (4) 4-5
- CIS105 Survey of Computer Information Systems 3
- + CIS150 Programming Fundamentals (3) OR
  - + CIS150AB Object-Oriented Programming Fundamentals (3) OR
  - + CIS156 Python Programming: Level I (3) OR

- + CIS159 Visual Basic Programming I (3) OR
- + CIS162AB C++: Level I (3) OR
- + CIS162AC Visual C++: Level I (3) OR
- + CIS162AD C#: Level I (3) OR
- + CIS163AA Java Programming: Level I (3) OR
- + CSC100 Introduction to Computer Science (C++) (3) OR
- + CSC100AA Introduction to Computer Science (C++) (3) OR
- + CSC100AB Introduction to Computer Science (C++) (4) OR
- + CSC110 Introduction to Computer Science (Java) (3) OR
- + CSC110AA Introduction to Computer Science (Java) (3) OR
- + CSC110AB Introduction to Computer Science (Java) (4) 3-4
  
- + ECE102 Engineering Analysis Tools and Techniques 2
- + ECE103 Engineering Problem Solving and Design 2
- + ECE216 Computer-Aided Engineering 2
- + ECE216LL Computer Aided Engineering Laboratory 1
  
- + ECE104 EPICS Gold I (2) OR
- + ECE294++ Special Topics in Engineering (1-4) OR
- + ECE296++ Cooperative Education (1-3) OR
- + ECE298++ Special Projects (1-3) 1-4
  
- + PHY111 General Physics I (4) OR
- + PHY111AA General Physics I (5)
- + PHY115 University Physics I (5) OR
- + PHY121 University Physics I: Mechanics (4) 4-5
  
- + PHY112 General Physics II (4) OR
- + PHY116 University Physics II (5) OR
- + PHY131 University Physics II: Electricity and Magnetism (4) 4-5

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### Restricted Electives

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In consultation with an Academic, Faculty, or Program Advisor, complete 12-15 credits of coursework from any of the areas below that best align with academic and professional goals. Students may select courses from multiple areas.

**Credits:  
12-15**

#### **General Application**

Select one of the following programming courses not already taken in required courses:

- + CIS150 Programming Fundamentals (3) OR
- + CIS150AB Object-Oriented Programming Fundamentals (3) OR
- + CIS156 Python Programming: Level I (3) OR
- + CIS159 Visual Basic Programming I (3) OR
- + CIS162AB C++: Level I (3) OR
- + CIS162AC Visual C++: Level I (3) OR
- + CIS162AD C#: Level I (3) OR
- + CIS163AA Java Programming: Level I (3) OR
- + CSC100 Introduction to Computer Science (C++) (3) OR
- + CSC100AA Introduction to Computer Science (C++) (3) OR
- + CSC100AB Introduction to Computer Science (C++) (4) OR
- + CSC110 Introduction to Computer Science (Java) (3) OR



- + CSC110AA Introduction to Computer Science (Java) (3) OR
- + CSC110AB Introduction to Computer Science (Java) (4) 3-4

Select one of the following courses not already taken in required courses:

- + ECE104 EPICS Gold I (2) OR
- + ECE294++ Special Topics in Engineering (1-4) OR
- + ECE296++ Cooperative Education (1-3) OR
- + ECE298++ Special Projects (1-3) 1-4

- + ECE105 MATLAB Programming 1

- ECE106 Survey of Nanotechnology (1) OR
- + MNT110 General Principles of Nanotechnology (3) 1-3

- AIT100 Industrial Safety (1) OR
- CON271 Construction Safety (3) OR
- GTC/MIT/OSH106 Industrial Safety (2) 1-3

- + MAT206 Elements of Statistics 3

### **Biomedical Engineering Technician**

- BIO160 Introduction to Human Anatomy and Physiology (4) OR
- + BIO201 Human Anatomy and Physiology I (4) 4

- ABS/BIO175 Research Methods in Biology 1
- BIO211AA Biotechnology Seminar: Biomedical Applications 1
- ECE111 Bioengineering Systems 3

### **Civil Engineering Technician**

- + CET211 Strength of Materials (3) OR
- CON223 Strength of Materials (3) 3

- + CON241 Surveying 3
- + ECE216 Computer-Aided Engineering 2
- + ECE216LL Computer-Aided Engineering Laboratory 1

- GLG101 Introduction to Geology I - Physical Lecture (3) AND
- GLG103 Introduction to Geology I - Physical Lab (1) OR
- GLG101IN Introduction to Geology I - Physical (4) 4

### **Drafting for Engineering Technician**

- CAD100 Fundamentals of 2D AutoCAD 3
- + CAD101 Elements of CAD Graphics (AutoCAD) 3
- + CAD145 Design Principles for Industry 3
- DFT100 Introduction to Drafting 3
- DFT110 Introduction to Drafting 3
- DFT126 Building Trades Blueprint Reading 3
- + ECE216 Computer-Aided Engineering 2
- + ECE216LL Computer-Aided Engineering Laboratory 1

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| <b>General Education Requirement</b> | <b>Credits: 19-23</b> |
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| <b>General Education Core</b> | <b>Credits: 13-17</b> |
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| <b>First-Year Composition</b> | <b>Credits: 6</b> |
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- + ENG101 First-Year Composition (3) OR
  - + ENG107 First-Year Composition for ESL (3) AND
  - + ENG102 First-Year Composition (3) OR
  - + ENG108 First-Year Composition for ESL (3) 6
- 

|                           |                   |
|---------------------------|-------------------|
| <b>Oral Communication</b> | <b>Credits: 3</b> |
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- COM100 Introduction to Human Communication (3) OR
- COM110 Interpersonal Communication (3) OR
- + COM225 Public Speaking (3) OR
- COM230 Small Group Communication (3) 3

Recommend COM225 or COM230

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|-------------------------|---------------------|
| <b>Critical Reading</b> | <b>Credits: 0-3</b> |
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- + CRE101 College Critical Reading and Critical Thinking (3) OR
  - Equivalent as indicated by assessment (0) 0-3
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|                    |                     |
|--------------------|---------------------|
| <b>Mathematics</b> | <b>Credits: 4-5</b> |
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- + MAT187 Precalculus (5) OR
  - + MAT220 Calculus with Analytic Geometry I (5) OR
  - + MAT221 Calculus with Analytic Geometry I (4) 4-5
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| <b>General Education Distribution</b> | <b>Credits: 6</b> |
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| <b>Humanities, Arts and Design</b> | <b>Credits: 3</b> |
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Any approved general education course in the Humanities, Arts and Design area.

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|                                   |                   |
|-----------------------------------|-------------------|
| <b>Social-Behavioral Sciences</b> | <b>Credits: 3</b> |
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Any approved general education course in the Social-Behavioral Sciences area.

Recommend ECN211 or ECN212

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|-------------------------|-------------------|
| <b>Natural Sciences</b> | <b>Credits: 0</b> |
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Met by CHM or PHY in Required Courses.

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 26, 2020

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### Foundations of Early Childhood Education

Major: **5054** Primary College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV RS SM**  
 Final Term: **Current** Field of Interest: **Education**

Award: **CCL** Instructional Council: **Early Childhood Education (62)**  
 Total Credits: **18-19** GPA: **2.0**  
 CIP Code: **13.1210**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**25-2011.00 Preschool Teachers, Except Special Education**  
**25-9041.00 Teacher Assistants**

**Description:** The Certificate of Completion (CCL) in Foundations of Early Childhood Education is designed to prepare students with foundational knowledge regarding the growth and development of the young child. Topics include cognitive and physical development of the young child, language acquisition, curriculum development, health and safety guidelines, business procedures, and family/community relationship building. This CCL is embedded (can be used to fulfill part of the requirements) in a second available CCL, Early Childhood Education. Both CCLs are embedded (can be used to fulfill requirements) in the Associate in Applied Science (AAS) in Early Childhood Education.

#### Program Notes:

Students must earn a grade of C or better for all courses within the program.

For some employment and field experiences (including internship courses), students will be required to have a current Identity Verified Print (IVP) Fingerprint Clearance Card and a current TB vaccination.

#### This program replaces:

[CCL/5016 Early Childhood Education](#)  
[CCL/5019N Early Childhood Classroom Management](#)  
[CCL/5356 Early Childhood Education and Administration: Birth through Age Five](#)  
[CCL/5358 Early Care Specialist](#)  
[CCL/5374 Early Childhood Education](#)  
[CCL/5710 Foundations of Early Childhood Education](#)  
[CCL/5714 Family Child Care Management](#)  
[CCL/5715 Infant and Toddler Development](#)

**Program Prerequisites: None**

#### Required Courses

CFS/ECH176 Child Development (3) OR  
 CFS235 Developing Child: Theory into Practice, Prenatal - Age 8 (3) OR  
 EED205 The Developing Child: Prenatal to Age Eight (3) 3

**Credits: 18-19**

**EED200 The Developing Child: Prenatal to Age Eight (3) 3****EED200 Foundations of Early Childhood Education 3**

CFS/ECH271 Arranging the Environment (1) AND  
 CFS282 Mainstreaming The Young Child with A Disability (1) AND  
 ECH282 Discipline/Guidance of Child Groups (1) OR  
 EED212 Guidance, Management and the Environment (3) 3

CFS123 Health and Nutrition In Early Childhood Settings (1) AND  
 CFS125 Safety in Early Childhood Settings (1) AND  
 ECH280 Food Experiences With Young Children (1) OR  
 EED215 Early Learning: Health, Safety, Nutrition and Fitness (3) 3

CFS101AH Art Activities for the Young Child (1) AND  
 ECH281 Movement/Music for the Young Child (1) OR  
 ECH128 Early Learning: Play and the Arts (3) OR  
 + EED210 Creative and Cognitive Play (3) 2-3

EDU222 Introduction to the Exceptional Learner (3) OR  
 EED222 Introduction to the Exceptional Young Child: Birth to Age Eight (3)  
 3

+EED260 Early Childhood Infant/Toddler Internship (1) OR  
 +EED261 Early Childhood Preschool Internship (1) 1

### Program Competencies

1. Identify developmentally, culturally, and linguistically appropriate learning experiences that promote each child's growth and development in the following domains: Social-Emotional, Physical, Cognitive, and Language and Literacy. (CFS101AH, CFS/ECH176, CFS235, ECH128, ECH281, EED200, EED205, EED210, EED260, EED261)
2. Describe the components necessary for a safe, caring, inclusive, and healthy learning environment according to best practices and local, state, and national standards. (CFS123, CFS125, CFS/ECH271, ECH280, CFS282, ECH282, EDU222, EED212, EED215, EED222, EED260, EED261)
3. Analyze children's learning and development through observation and documentation, using standards and best practices. (CFS/ECH176, CFS235, EED200, EED205, EED260, EED261)
4. Establish reciprocal, culturally responsive relationships with families and communities. (CFS123, CFS125, CFS/ECH271, ECH280, CFS282, ECH282, EED212, EED215)
5. Practice communication skills to advocate for children and their families. (EDU222, EED200, EED222,)
6. Practice ethical and professional standards and behavior. (EED200, EED260, EED261)
7. Advocate for an ethical, equitable, diverse, and effective early childhood education profession. (EDU222, EED200, EED222)
8. Engage in reflective practice and continuous learning through education and research. (CFS/ECH271, CFS282, ECH282, EDU222, EED212, EED222, EED260, EED261, EED280)
9. Collaborate with peers to problem-solve within early childhood education. (EDU222, EED222, EED260, EED261)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Foundations of Storytelling

Major: **6252N** Primary College: **South Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **EM SM**  
 Final Term: **Current** Field of Interest: **Culture and Society**

Award: **AC** Instructional Council: **Storytelling (05)**  
 Total Credits: **6** GPA: **2.0**  
 CIP Code: **05.0209**

SOC Code: **Upon completion of this program, students may pursue a career as:**  
**27-3043.05 Poets, Lyricists, and Creative Writers**  
**27-2099.00 Entertainers and Performers, Sports and Related Workers, All Other**

**Description:** The Academic Certificate (AC) in Foundations of Storytelling is designed to provide students with an understanding of universal themes and basic practices, which are the foundation for storytelling. The program provides interactive storytelling training, which will enhance the skills of persons in areas such as education, the performing arts, community advocacy, workforce and business entrepreneurship, mental health, the ministry, and interpretive settings such as museums and parks. This program will also aid students interested in enhancing interpersonal relations skills and in using stories in family and community settings.

### Learning Outcomes

1. Demonstrate the skills of oral storytelling to construct and deliver stories. (EDU/HUM/STO292, EDU/ENH/STO294)
2. Develop cultural awareness and a sense of community through oral storytelling. (EDU/HUM/STO292, EDU/ENH/STO294)
3. Employ the ethical protocols and practices of storytelling as they pertain to awareness of self and others. (EDU/HUM/STO292, EDU/ENH/STO294)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in each course in the program.

**This program replaces:** [AC/6200N Storytelling](#)

**Program Prerequisites: None**

### Required Courses

EDU/HUM/STO292 The Art of Storytelling 3  
 EDU/ENH/STO294 Multicultural Folktales 3

**Credits: 6**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## General Business

Major: **3148** Primary College: **Phoenix College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, PV, RS, SC, SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Business/Management (03)**  
 Total Credits: **61-66** GPA: **2.00**  
 CIP Code: **52.0101**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**11-1021.00 General and Operations Managers**  
**11-3012.00 Administrative Services Managers**  
**11-9199.07 Security Managers**  
**11-3071.02 Storage and Distribution Managers**  
**11-3071.01 Transportation Managers**  
**11-2022.00 Sales Managers**  
**13-1199.00 Business Operations Specialists, All Other**  
**13-1041.08 Customs Brokers**  
**13-1199.04 Business Continuity Planners**

**Description:** The Associate in Applied Science (AAS) in General Business program is designed to meet the needs of students who wish a broad overview of business and desire not to enroll in a specialized curriculum in business. The program is designed to acquaint students with major subject areas of business, to improve the student's business vocabulary, and to provide students with an understanding of influencing factors in business decision making and activities. In addition, this program may aid a student in recognizing a specific business field to be pursued in future studies. A Certificate of Completion (CCL) in General Business is available.

### Program Competencies

1. Apply effective oral, written, and visual business communication skills. (GBS120, GBS233, (COM), [FYC])
2. Demonstrate critical thinking through written and oral formats. (GBS120, GBS151, GBS205, GBS233, EPS++, GBS++, SBU200, (COM), [FYC], [HU], [SG], [SQ])
3. Use basic mathematics and accounting principles to manage the financial health of an organization. (ACC111, ACC++, [MA])
4. Apply current technology to specific business tasks. (CIS105, CIS114DE, CIS117DM, CIS133DA)
5. Apply functions of modern business, including business principles, marketing, labor relations, and risk analysis to business situations. (GBS151, GBS++, IBS++, MGT175, MGT251, MGT++, SBS++)
6. Analyze legal, ethical and social implications of business decisions and their impact on various individuals, groups and societies. (ACC111, ECN211, ECN212, GBS151, GBS205, MGT175, MGT251, MKT271, SBU200, [HU])
7. Apply basic principles and techniques of management to recruit, select, hire, train, supervise, and evaluate employees. (GBS151, MGT175, MGT251)

Evaluate employees. (GBS151, MGT175, MGT251)

8. Evaluate organizational structures and the functions of planning, organizing, leading, and controlling in a business setting (GBS151, MGT175, MGT251, MGT++)

9. Apply functions of modern business, including business principles, marketing, labor relations, and risk to business situations. (GBS151, GBS205, MGT175, MGT251, MKT271, MKT++, REA++)

10. Analyze marketing research to create marketing plans and forecasts. (GBS151, MGT175, MGT251, MKT271, MKT++)

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### Program Notes

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Students must earn a grade of C or better in all courses in the program.

+ indicates course has prerequisites and/or corequisites

**This program replaces: [AAS/3051 General Business Specialized](#)**

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**Program Prerequisites: None**

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### Required Courses

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ACC111 Accounting Principles I 3

**Credits: 21**

CIS105 Survey of Computer Information Systems 3

GBS120 Workplace Communication Skills (3) OR

+ GBS233 Business Communication (3) 3

GBS151 Introduction to Business 3

GBS205 Legal, Ethical and Regulatory Issues in Business 3

MGT175 Business Organization and Management (3) OR

MGT251 Human Relations in Business (3) 3

MKT271 Principles of Marketing 3

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### Restricted Electives

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Students should select eighteen (18) credits from the following courses.

**Credits:**

Any 100/200 level prefixed courses may be selected, except courses used to satisfy the Required Courses area.

**18**

ACC+++ Any ACC Accounting course(s)

CIS114DE Excel Spreadsheet 3

CIS117DM Microsoft Access: Database Management 3

CIS133DA Internet/Web Development Level I 3

EPS+++ Any EPS Entrepreneurial Studies course(s)

GBS+++ Any GBS General Business course(s)

IBS+++ Any IBS International Business course(s)

MGT+++ Any MGT Management course(s)

MKT+++ Any MKT Marketing course(s)

REA+++ Any REA Real Estate course(s)

SBS+++ Any SBS Small Business Management course(s)

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## General Education Requirements

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|                                      |                       |
|--------------------------------------|-----------------------|
| <b>General Education Requirement</b> | <b>Credits: 22-27</b> |
|--------------------------------------|-----------------------|

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|-------------------------------|-----------------------|
| <b>General Education Core</b> | <b>Credits: 12-17</b> |
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|-------------------------------|-------------------|
| <b>First-Year Composition</b> | <b>Credits: 6</b> |
|-------------------------------|-------------------|

+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3) AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3)

|                           |                   |
|---------------------------|-------------------|
| <b>Oral Communication</b> | <b>Credits: 3</b> |
|---------------------------|-------------------|

COM100 Introduction to Human Communication (3)  
 COM110 Interpersonal Communication (3)  
 + COM225 Public Speaking (3) OR  
 COM230 Small Group Communication (3) 3

|                         |                     |
|-------------------------|---------------------|
| <b>Critical Reading</b> | <b>Credits: 0-3</b> |
|-------------------------|---------------------|

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
 Equivalent by assessment 0-3

|                    |                     |
|--------------------|---------------------|
| <b>Mathematics</b> | <b>Credits: 3-5</b> |
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Any approved general education course from the Mathematics area.

|                                       |                    |
|---------------------------------------|--------------------|
| <b>General Education Distribution</b> | <b>Credits: 10</b> |
|---------------------------------------|--------------------|

|                                    |                   |
|------------------------------------|-------------------|
| <b>Humanities, Arts and Design</b> | <b>Credits: 3</b> |
|------------------------------------|-------------------|

Any approved general education course in the Humanities, Arts and Design area.

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Social-Behavioral Sciences</b> | <b>Credits: 3</b> |
|-----------------------------------|-------------------|

ECN211 Macroeconomic Principles (3) OR  
 ECN212 Microeconomic Principles (3) OR  
 SBU200 Society and Business (3) 3

|                         |                   |
|-------------------------|-------------------|
| <b>Natural Sciences</b> | <b>Credits: 4</b> |
|-------------------------|-------------------|

Any approved general education course in the Natural Sciences area.

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: June 25, 2019

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### General Business

Major: **5683** Primary College: **Phoenix College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (03)**  
 Total Credits: **21** GPA: **2.00**  
 CIP Code: **52.0101**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**11-1021.00 General and Operations Managers**  
**11-3012.00 Administrative Services Managers**  
**11-9199.07 Security Managers**  
**11-3071.02 Storage and Distribution Managers**  
**11-3071.01 Transportation Managers**  
**11-2022.00 Sales Managers**  
**13-1199.00 Business Operations Specialists, All Other**  
**13-1041.08 Customs Brokers**  
**13-1199.04 Business Continuity Planners**  
**13-1199.06 Online Merchants**

**Description:** The Certificate of Completion (CCL) in General Business is designed to provide business training for various entry-level positions in business. The courses include an introduction to business concepts, accounting and computer principles, and legal issues related to business. An Associate in Applied Science (AAS) is also available.

#### Program Notes:

Students must earn a grade of C or better in all courses in the program.

#### Program Prerequisites: None

#### Required Courses

ACC111 Accounting Principles I 3  
 CIS105 Survey of Computer Information Systems 3  
 GBS151 Introduction to Business 3  
 GBS205 Legal, Ethical and Regulatory Issues in Business 3

**Credits: 12**

#### Restricted Electives

Students should select nine (9) credits from the following courses.

**Credits:  
9**

Any 100/200 level prefixed courses may be selected, except courses used to satisfy the Required Courses area.

ACC+++ Any ACC Accounting course(s)

CIS114DE Excel Spreadsheet 3

CIS117DM Microsoft Access: Database Management 3

CIS133DA Internet/Web Development Level I 3

EPS+++ Any EPS Entrepreneurial Studies course(s) 1-3

GBS+++ Any GBS General Business course(s)

MGT+++ Any MGT Management course(s)

MKT+++ Any MKT Marketing course(s)

IBS+++ Any IBS International Business course(s)

REA+++ Any REA Real Estate course(s)

SBS+++ Any SBS Small Business Management course(s)

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### Program Competencies

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1. Demonstrate critical thinking through written and oral formats. (GBS151, GBS205, EPS+++ , GBS+++)
2. Analyze the financial health of an organization using basic accounting principles. (ACC111, ACC+++)
3. Apply current technology to specific business tasks. (CIS105, CIS114DE, CIS117DM, CIS133DA)
4. Apply functions of modern business, including business principles, marketing, labor relations, and risk analysis to business situations. (GBS151, GBS+++ , IBS+++ , MGT+++ , SBS+++)
5. Analyze legal, ethical and social implications of business decisions and their impact on various individuals, groups and societies. (ACC111, GBS151, GBS205, MGT+++ , MKT+++)
6. Apply basic principles and techniques of management to recruit, select, hire, train, supervise, and evaluate employees. (GBS151, MGT+++)
7. Evaluate organizational structures and the functions of planning, organizing, leading, and controlling in a business setting (GBS151, MGT+++)
8. Apply functions of modern business, including business principles, marketing, labor relations, and risk to business situations. (GBS151, GBS205, MGT+++ , MKT+++ , REA+++)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: June 25, 2019

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Fre All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



EDUCATION

### Gifted Education

|                                |  |
|--------------------------------|--|
| Major: <b>5711N</b>            | Initiating College: <b>Estrella Mountain Community College</b> |
| First Term: <b>2011 Spring</b> | Program Availability: <b>College-Specific</b>                  |
| Final Term: <b>Current</b>     | Field of Interest: <b>Education</b>                            |
| Award: <b>CCL</b>              | Instructional Council: <b>Education (56)</b>                   |
| Total Credits: <b>18</b>       | GPA: <b>2.0</b>  |
| CIP Code: <b>13.1004</b>       |  |
| SOC Code: <b>25-2021</b>       |  |

**Description:** The Certificate of Completion in Gifted Education provides professional development for certified teachers and leads to provisional and full endorsement in gifted education from the Arizona Department of Education.

Suggested Course Plan Sequenced by Semester

#### Program Notes:

Students must earn a grade of "C" or better for all courses within the program.

**This program is not eligible for Title IV Federal Financial Aid.**

+ indicates course has prerequisites and/or corequisites.

#### Program Prerequisites: None

#### Required Courses

|  |                        |
|--|------------------------|
| + EPD225 Foundations of Gifted Education and Identification of Gifted Learners 3 | <b>Credits:<br/>18</b> |
| + EPD226 Social and Emotional Needs of Gifted and Talented Students 3            |                        |
| + EPD227 Methods and Models for Differentiating Curriculum for Gifted Learners 3 |                        |
| + EPD228 Creativity and Critical Thinking Skills in Gifted Education 3           |                        |
| + EPD229 Gifted Education Practicum I 3  |                        |
| + EPD230 Gifted Education Practicum II 3   |                        |

#### Program Competencies

1. Define giftedness and its implications on the social and emotional needs of gifted and talented students. ( EPD225)
2. Analyze key philosophies, theories, models and research supporting gifted and talented education (EPD225)
3. Describe the cognitive, social, emotional, and environmental factors that enhance or inhibit the development of giftedness in all populations. (EPD226)

4. Identify varying teaching styles and instructional strategies for gifted and talented students to meet their diverse needs. (EPD226)
5. Analyze a variety of diagnostic tools to identify individual learning needs of gifted and talented students. (EPD227)
6. Design differentiated learning experiences for gifted and talented students. (EPD227)
7. Describe and implement research-based strategies for enhancing creativity in the classroom. (EPD228)
8. Describe and implement research-based strategies for teaching critical thinking in the classroom. (EPD228)
9. Participate in a K-12 classroom field experience in which most students are identified as gifted. (EPD229, EPD230)
10. Record experiences, interactions, goals and self-evaluations in a reflective journal. (EPD229, EPD230)

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 23, 2010

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## Information Technology

Major: **3196** Initiating College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **AAS** Instructional Council: **Computer Information Systems (12)**

Total Credits: **60-65**

CIP Code: **11.0103** GPA: **2.0**

SOC Code: **Upon completion of this degree, students may pursue a career as:  
 15-1151 Computer User Support Specialists**

**Upon completion of a bachelor's degree, students may pursue a career as:**

**11.3021 Computer and Information Systems Managers**

**5-1121 Computer Systems Analysts**

**15-1122 Information Security Analysts**

**Description:** The Associate in Applied Science (AAS) in Information Technology (IT) program is designed to provide students with skills to meet information technology needs across industries. This program includes instruction in the principles of computer hardware components and business software, programming, databases, networking, customer service, web development, and information systems and project management. Coursework helps prepare students for a variety of industry-recognized examinations and certifications. Students will earn one or more of the following Certificates of Completion (CCLs):

CCL/5154 Cybersecurity Fundamentals  
 CCL/5083 Database Development  
 CCL/5043 Desktop Support  
 CCL/5793 Foundations of Mobile App Development  
 CCL/5132 Microsoft Office Professional  
 CCL/5031 Microsoft System Administration  
 CCL/5048 Programming and Systems Analysis Level I  
 CCL/5183N Oracle Database Operations  
 CCL/5050N Red Hat Linux Engineer  
 CCL/5984 Web Foundations

## Learning Outcomes

1. Apply current technical concepts and practices in the core information technologies to effectively integrate IT-based solutions into the business environment. (BPC/OAS111AA, BPC170, BPC270, CIS102DA, CIS105, CIS117DM, CIS119DO, CIS119DP, CIS120DF, CIS121AH, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS150++, CIS154, CIS156, CIS159, CIS162++, CIS163AA, CIS164AB, CIS165++, CIS166++, CIS190, CIS217AM, CIS235, CIS238RH, CIS240RH, CIS276DA, CIS276DB, CIS113DE, CIS114DE, CIS118DB, CIS224, CIS225AB, CIS233DA, CIS250, CIS270,

CIS271DB, CIS272DB, CNT140AB, ITS110, MST150++, MST155DC, MST157DC, MST158DC, [MA])

2. Analyze business requirements to identify and define appropriate technology solutions.

(BPC/OAS111AA, BPC170, BPC270, CIS102DA, CIS105, CIS113DE, CIS114DE, CIS117DM, CIS118DB, CIS119DO, CIS119DP, CIS120DF, CIS121AH, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS150++, CIS154, CIS156, CIS159, CIS162++, CIS163AA, CIS164AB, CIS165++, CIS166++, CIS190, CIS217AM, CIS225AB, CIS233DA, CIS235, CIS270, CIS271DB, CIS272DB, CIS276DA, CIS276DB, CIS224, CIS238RH, CIS240RH, CIS250, CNT140AB, GBS151, ITS110, MST150++, MST155DC, MST157DC, MST158DC, [MA], [SG], [SQ])

3. Demonstrate effective written, oral, visual, and interpersonal communication skills with multiple stakeholders. (BPC/OAS111AA, BPC170, BPC270, CIS102DA, CIS105, CIS113DE, CIS114DE, CIS117DM, CIS118DB, CIS119DO, CIS119DP, CIS120DF, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS150++, CIS154, CIS156, CIS159, CIS162++, CIS163AA, CIS164AB, CIS165++, CIS166++, CIS190, CIS217AM, CIS225AB, CIS235, CIS276DA, CIS276DB, CIS224, CIS233DA, CIS250, CNT140AB, GBS151, MST150++, [FYC], (COM) [HU], [MA], [SB], [SG], [SQ])

4. Collaborate in a culturally responsive manner in a team environment. (CIS102DA, CIS118DB, CIS154, CIS224, CIS250, GBS151, [FYC], (COM), (CRE), [HU], [SB])

5. Integrate professional, social, and ethical responsibility in decision-making and actions. (BPC170, BPC270, CIS102DA, CIS105, CIS111, CIS133DA, CIS233DA, CIS235, CIS250, GBS151, ITS120, ITS240, [HU], [SB])

6. Manage ongoing documentation of information systems according to business standards.

(CIS102DA, CIS111, CIS117DM, CIS118DB, CIS119DO, CIS119DP, CIS133DA, CIS136, CIS150++, CIS154, CIS156, CIS159, CIS162++, CIS163AA, CIS164AB, CIS165++, CIS166++, CIS190, CIS217AM, CIS225AB, CIS238RH, CIS240RH, CIS276DA, CIS276DB, CIS233DA, CIS224, CIS250, CNT140AB, GBS151, ITS120, ITS240)

7. Apply project management skills to ensure successful completion of projects. (CIS102DA, CIS118DB, CIS120DF, CIS136, CIS224, CIS233DA, CIS250, GBS151)

### Program Notes

Students must earn a grade of C or better in all courses required within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

#### **This program replaces:**

[AAS/3023 Information Technology](#)

[AAS/3098 Information Technology: Computer Applications Specialist](#)

[AAS/3152 Computer Information Systems](#)

[AAS/3162 Computer Information Systems Technologies](#)

[AAS/3167 Computer and Information Technologies](#)

[AAS/3217 Computer Technology](#)

[AAS/3546 Business Office Computer Applications](#)

[AAS/3547 Computer Applications Technology](#)

[AAS/3548 Business Applications](#)

[AAS/3786 Computer Information Technology](#)

**Program Prerequisites: None**

### Required Courses

**Credits:**

Specialization 1: Cybersecurity Fundamentals Credits: 33-38

Information Technology Core Credits: 24-25

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
MST150++ Any Microsoft Windows course (3) 3

CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS156 Python Programming: Level I 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3

Students taking CIS271DB would be required to take CIS250.

Cybersecurity Fundamentals Credits: 9-12

CIS111 Ethics in Information Technology (3) OR

+ ITS120 Legal, Ethical and Regulatory Issues (3) 3

+ CIS270 Essentials of Network and Information Security (3) OR

+ CIS271DB Information Security Essentials (3) AND

+ CIS272DB Information Security Principles (3) OR

+ ITS110 Information Security Fundamentals (3) 3-6

+ ITS240 Ethical Hacking and Network Defense 3

Related Area Credits: 0-5

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 2: Database Development 36-38

Information Technology Core Credits: 21-22

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) OR

MSI 150++ Microsoft Windows (3) 3

CIS105 Survey of Computer Information Systems 3

+ CIS119DO Introduction to Oracle: SQL 3

CIS133DA Internet/Web Development Level I 3

+ CIS156 Python Programming: Level I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

CIS250 Management of Information Systems (3) 3

Database Development Credits: 15

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS154 Database Modeling and Design (3) 3

+ CIS150++ Programming Fundamentals 3

+ CIS164AB Oracle: PL/SQL Programming (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

+ CIS217AM Advanced Microsoft Access: Database Management (3) OR

+ CIS276DB SQL Server Database (3) 3

+ CIS225AB Object-Oriented Analysis and Design 3

Related Area Credits : 0-2

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 3: Desktop Support Credits: 32-38

Information Technology Core Credits: 24-25

+ BPC270 A+ Exam Prep: Operating System Configuration and Support 3

CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR

+ CIS156 Python Programming: Level I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3

Desktop Support Credits: 6

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3

CIS102DA Customer User Support 3

Related Area Credits: 2-8

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 4: Foundations of Mobile App Development Credits: 33-38

Information Technology Core Credits: 21-22

CIS105 Survey of Computer Information Systems 3

+BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) OR

MST150++ Microsoft Windows (3) 3

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS162++ Any C Programming: Level I course 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3

Foundations of Mobile App Development Credits: 12

CIS120DF Introduction to Adobe Photoshop 3

+ CIS165 Introduction to IOS Application Development 3

+ CIS165DA Introduction to Android Application Development 3

+ CIS165DB C#/VB.NET: Windows 8 App Development (3) OR

+ CIS165DC Xamarin/C# Cross Platform Development (3) 3

Related Area Credits: 0-5

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 5: Microsoft Office Professional Credits: 31-38

Information Technology Core Credits: 18-19

CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR

+ CIS156 Python Programming: Level I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

MST150++ Microsoft Windows (3) OR

BPC270 A+ Exam Prep: Operating System Configuration and Support (3) 3

Microsoft Office Professional Credits: 11-13

BPC/OAS111AA Computer Keyboarding (1) OR

Permission of Program Director (0) 0-1

CIS113DE Microsoft Word: Word Processing 3

CIS114DE Excel Spreadsheet 3

CIS118DB Desktop Presentation: PowerPoint 3

CIS124AA Project Management Software: Level I (1) AND

CIS124BA Project Management Software: Level II (1) OR

CIS224 Project Management Microsoft Project for Windows (3) 2-3

Related Area Credits: 0-8

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses  
 CNT+++++ Any CNT Cisco Network Technology courses  
 ITS+++++ Any ITS Information Technology Security courses  
 MST+++++ Any MST Microsoft Technology courses

Specialization 6: Microsoft Server 36-38  
 Information Technology Core: 21-22  
 CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR  
 + CIS119DO Introduction to Oracle: SQL (3) OR  
 + CIS276DA MySQL Database (3) OR  
 + CIS276DB SQL Server Database (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR  
 + CIS156 Python Programming: Level I (3) OR  
 + CIS162++ Any C Programming: Level I course (3) OR  
 + CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR  
 + CIS250 Management of Information Systems (3) 3

MST150++ Microsoft Windows 3

Microsoft Server Credits: 15

CIS121AH Microsoft PowerShell/Command Line Operations 3  
 + MST155DC Installation, Storage, and Compute with Windows Server 4  
 + MST157DC Networking with Windows Server 4  
 + MST158DC Identity Management with Windows Server 2016 4

Related Area Credits: 0-2

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses  
 CIS+++++ Any CIS Computer Information Systems courses  
 CLD+++++ Any CLD Cloud Computing courses  
 CNT+++++ Any CNT Cisco Network Technology courses  
 ITS+++++ Any ITS Information Technology Security courses  
 MST+++++ Any MST Microsoft Technology courses

Specialization 7: Oracle Database Operations 32-38  
 Information Technology Core Credits: 21-22  
 + BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
 CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) OR  
 MST150++ Microsoft Windows (3) 3

CIS105 Survey of Computer Information Systems 3

+ CIS119DO Introduction to Oracle: SQL 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR

+ CIS156 Python Programming: Level I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3

Oracle Database Operations Credits: 9

+ CIS119DP Oracle: Database Administration 3

+ CIS154 Database Modeling and Design 3

+ CIS164AB Oracle: PL/SQL Programming 3

Related Area Credits : 2-8

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 8: Programming and Systems Analysis Level 1 Courses: 32-38

Information Technology Core Credits: 21-22

CIS105 Survey of Computer Information Systems 3

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) OR

MST150++ Microsoft Windows (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3



Programming and Systems Analysis Credits: 9

- + CIS159 Visual Basic Programming I (3) OR
- + CIS162++ Any C Programming: Level I course (3) OR
- + CIS163AA Java Programming: Level I (3) OR
- + CIS165++ Any Mobile Application Development course (3) 3

+ CIS166++ Any Web Scripting course 3

GBS151 Introduction to Business 3

Related Area Credits: 1-8

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNT+++++ Any CNT Cisco Network Technology courses

ITS+++++ Any ITS Information Technology Security courses

MST+++++ Any MST Microsoft Technology courses

Specialization 9: Redhat Linux Engineer 32-38

Information Technology Core Credits: 21-22

CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS126RH Red Hat System Administration I 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR

+ CIS156 Python Programming: Level I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR

+ CIS250 Management of Information Systems (3) 3

Redhat Linux Engineer Credits: 6

+ CIS238RH Red Hat System Administration II 3

+ CIS240RH Red Hat System Administration III 3

Related Area Credits: 5-11

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses

CIS+++++ Any CIS Computer Information Systems courses

CLD+++++ Any CLD Cloud Computing courses

CNI+++++ Any CNI Cisco Network Technology courses  
 ITS+++++ Any ITS Information Technology Security courses  
 MST+++++ Any MST Microsoft Technology courses

Specialization 10: Web Foundations Credits: 36-38

Information Technology Core Credits: 21-22

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
 CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) OR  
 MST150++ Microsoft Windows (3) 3

CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR  
 +CIS119DO Introduction to Oracle: SQL (3) OR  
 +CIS276DA MySQL Database (3) OR  
 +CIS276DB SQL Server Database (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR  
 + CIS156 Python Programming: Level I (3) OR  
 + CIS162++ Any C Programming: Level I course (3) OR  
 + CIS163AA Java Programming: Level I (3) 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (4) 3-4

CIS224 Project Management Microsoft Project for Windows (3) OR  
 + CIS250 Management of Information Systems (3) 3

Web Foundation Credits: 15

CIS120DF Introduction to Adobe Photoshop 3  
 CIS136 Content Management Systems: WordPress 3  
 + CIS166AA Introduction to Javascript 3  
 + CIS233DA Internet/Web Development Level II 3  
 + CIS235 e-Commerce 3

Related Area Credits: 0-2

Select courses with one of the following prefixes to complete a minimum of 60 credits for the Associate in Applied Science (AAS) in Information Technology:

BPC+++++ Any BPC Business-Personal Computers courses  
 CIS+++++ Any CIS Computer Information Systems courses  
 CLD+++++ Any CLD Cloud Computing courses  
 CNT+++++ Any CNT Cisco Network Technology courses  
 ITS+++++ Any ITS Information Technology Security courses  
 MST+++++ Any MST Microsoft Technology courses

Specialization 11: A related Certificate of Completion (CCL) at the discretion of the Program Director (minimum of 11 credits) AND the following core courses with permission of the Program Director.

Information Technology Core Credits: 21-22  
 CIS105 Survey of Computer Information Systems 3

CIS117DM Microsoft Access: Database Management (3) OR  
 + CIS119DO Introduction to Oracle: SQL (3) OR  
 + CIS276DA MySQL Database (3) OR  
 + CIS276DB SQL Server Database (3) 3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
 CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) OR  
 MST150++ Microsoft Windows (3) 3

+ CIS150AB Object-Oriented Programming Fundamentals (3) OR  
 + CIS156 Python Programming: Level I (3) OR  
 + CIS162++ Any C Programming: Level I course (3) OR  
 + CIS163AA Java Programming: Level I (3) 3

CIS190 Introduction to Networking (3) OR  
 CNT140AA Introduction to Networks (4) 3-4

CIS133DA Internet/Web Development Level I 3

+ CIS224 Project Management Microsoft Project for Windows (3) OR  
 CIS250 Management of Information Systems (3) 3

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### General Education Requirements

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#### General Education Requirement

**Credits: 22-28**

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#### General Education Core

**Credits: 12-18**

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#### First-Year Composition

**Credits: 6**

+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3)  
 AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3)

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#### Oral Communication

**Credits: 3**

COM100 Introduction to Human Communication (3) OR  
 COM110 Interpersonal Communication (3) OR  
 + COM225 Public Speaking (3) OR  
 COM230 Small Group Communication (3) 3

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#### Critical Reading

**Credits: 0-3**

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+ CRE101 College Critical Reading and Critical Thinking (3) OR  
Equivalent as indicated by assessment 0-3

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**Mathematics**

**Credits: 3-6**

+ MAT140 College Mathematics (5) OR  
+ MAT141 College Mathematics (4) OR  
+ MAT142 College Mathematics (3) OR  
MAT145 College Mathematics with Review (5) OR  
MAT146 College Mathematics with Review (6) OR  
Equivalent or higher level mathematics course in the Mathematical Applications [MA] area. 3-6

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**General Education Distribution**

**Credits: 10**

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**Humanities, Arts and Design**

**Credits: 3**

Any approved general education course from the Humanities, Arts and Design [HU] area. 3

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**Social-Behavioral Sciences**

**Credits: 3**

Any approved general education course from the Social-Behavioral Sciences [SB] area. 3

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**Natural Sciences**

**Credits: 4**

Any approved general education course from the Natural Science [SG] or [SQ] area. 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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**VISUAL AND  
PERFORMING ARTS**



## Interior Merchandising and Home Staging

|   |  |
|---|--|
| Major: <b>5429</b>  | Primary College: <b>Scottsdale Community College</b> |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>EM, PC, SC</b>              |
| Final Term: <b>Current</b>  | Field of Interest: <b>Visual and Performing Arts</b> |
| Award: <b>CCL</b>   | Instructional Council: <b>Interior Design (37)</b>   |
| Total Credits: <b>21</b>  | GPA: <b>2.00</b>                                     |
| CIP Code: <b>50.0408</b>  |  |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career as:<br/>27-1026.00 Merchandise Displayers and Window Trimmers</b>        |  |
| <b>Upon completion of the associate`s degree, students may pursue a career as:<br/>27-1025.00 Interior Designers<br/>11-3013.00 Facilities Managers</b> |  |

**Description:** The Certificate of Completion (CCL) in Interior Merchandising and Home Staging is intended to provide students with the knowledge and creative skills important to colorizing, visual merchandising, home-staging, and selecting furnishings and accessories. The program prepares students for entry-level career as a home decorator, retail merchandiser, home stager, model home merchandiser, etc. or to advance within these job fields. Students will study design principles and elements, color theory, drawing, furniture layout, historical and modern architecture and furniture, fabrics, and other factors utilized in interior merchandising. An Associate in Applied Science (AAS) in Interior Design is also available.

### Learning Outcomes

1. Design spaces that integrate furnishings, fixtures, finishes, and equipment according to client needs. (INT100, INT105, INT115, INT120, INT150, INT160, INT215)
2. Apply global design perspectives with consideration of social, cultural, economic, and ecological contexts to solve interior design problems. (INT105, INT115, INT120, INT150, INT160, INT215, MGT251, MGT253)
3. Analyze and design spaces using the elements and principles of design. (INT100, INT105, INT145, INT145AA, INT145AB, INT150, INT160)
4. Demonstrate knowledge of history of interiors, architecture, decorative arts, art, and related theories when solving design problems. (INT105, INT115, INT120, INT145, INT145AA, INT145AB, INT150, INT160, INT215)
5. Interpret information gathered through research to generate evidence-based design solutions. (INT100, INT105, INT115, INT120, INT145, INT145AA, INT145AB, INT150, INT160, INT215)
6. Apply knowledge of environmentally responsible and sustainable practices to solve design problems. (INT100, INT105, INT160, INT215)
7. Express ideas and their rationale according to architecture and interior design standards through visual media including ideation, sketches, drawings, renderings, and plans. (INT100, INT160, INT215)

8. Collaborate with individuals and institutions across diverse disciplines to solve problems. (INT100, INT105, INT160, INT215, MGT251, MGT253)
9. Communicate with diverse audiences in varied settings and formats. (INT100, INT105, INT160, INT215, MGT251, MGT253)
10. Integrate criticism in an effective manner to refine design solutions. (INT100, INT105, INT115, INT120, INT145, INT145AA, INT145AB, INT150, INT160, INT215)
11. Recognize industry accepted professional ethics and conduct. (INT215, MGT251, MGT253)
12. Express the impact of design on the human experience and the professional value interior designers provide in local, national, and global contexts. (INT100, INT105, INT115, INT120, INT150, INT160, INT215, MGT251, MGT253)
13. Employ estimating, budget coordination, and information management to complete a design project. (INT160, INT215)

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### Program Notes

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Students must earn a grade of C or better for all courses required within the program.

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### Program Prerequisites: None

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### Required Courses

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INT100 Interior Design Drafting (3)

OR

INT145 Drawing and Rendering (3) OR

+ INT145AA Sketching and Visualization (1.5) AND

+ INT145AB Rendering (1.5) 3

INT105 Introduction to Interior Design 3

INT115 Historical Architecture and Furniture 3

INT120 Modern Architecture and Furniture 3

INT150 Color and Design 3

INT160 Fabrics for Interiors 3

+ INT215 Professional Practices (3) OR

MGT251 Human Relations in Business (3) OR

MGT253 Owning and Operating a Small Business (3) 3

**Credits: 21**

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 24, 2020

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## iOS App Development

Major: **5914N** Initiating College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **9-12** GPA: **2.00**  
 CIP Code: **11.0202**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1132.00 Software Developers, Applications**  
**15-1251.00 Computer Programmers**

**Description:** The Certificate of Completion (CCL) in iOS App Development prepares students for positions in app development for the Apple iPad, iPhone, and Apple Watch series. The program emphasizes knowledge and skills required to design, develop, test, and document structured and object-oriented programs utilizing Swift and Xcode. Courses in this certificate can apply toward the Associate in Applied Science (AAS) in Mobile App Development and Certificates of Completion (CCLs) in Native App Development and Mobile App Development.

### Program Competencies

1. Identify and explain common hardware components of computer systems and describe their uses. (CIS105, CIS150AB)
2. Identify different types of software, programming languages, the terminology, networking, social and ethical behaviors and their uses. (CIS105, CIS150AB, CIS165, CIS265)
3. Use the Internet to communicate, collaborate, and retrieve information. (CIS105, CIS150AB, CIS165, CIS265)
4. Explore system security and privacy issues. (CIS105, CIS150AB, CIS165, CIS265)
5. Describe the steps in planning and implementing technology solutions. (CIS105, CIS150AB, CIS165, CIS265)
6. Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems. (CIS105, CIS150AB, CIS165, CIS265)
7. Design console and graphical user interfaces and reports. (CIS150AB, CIS165, CIS265)
8. Explain, design, write, test, debug and implement custom apps using the iOS App development process. (CIS150AB, CIS165, CIS265)
9. Design a plan to convert programs from Swift types into custom model objects for web requests. (CIS165, CIS265)
10. Create networking code in an Xcode project. (CIS265)
11. Explain security restrictions and the correlation of App Transport Security (ATP) as it applies to project prototyping. (CIS165, CIS265)

## PROGRAM NOTES

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**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better for all courses required within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director, Department or Division Chair (0) 0-3

**Credits: 9-12**

+ CIS150AB Object-Oriented Programming Fundamentals 3

+ CIS165 Introduction to IOS Application Development 3

+ CIS265 Advanced iOS Application Development 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**MARICOPA**  
COMMUNITY COLLEGES



**COMPUTER AND  
INFORMATION  
TECHNOLOGY**

## IT Security Associate

|   |   |
|---|---|
| Major: <b>5826</b>  | Initiating College: <b>Estrella Mountain Community College</b>  |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>EM</b>                                 |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>25</b>  | GPA: <b>3.0</b>   |
| CIP Code: <b>11.1003</b>  |   |
| SOC Code: <b>11-3021, 15-1122, 15-1141, 15-1142, 15-1143, 15-1152</b> |   |

**Description:** The Certificate of Completion (CCL) in IT Security Associate program is designed to help to prepare students for a variety of industry-recognized information technology (IT) security certification exams as well as to provide practical hands-on skills for the work place. The program also includes fundamental knowledge and skills in system administration, network administration, IT management and compliance necessary to inform the practices of IT security.

### Program Notes:

Students must earn a grade of C or better for all courses required within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

### Program Prerequisites

CIS105 Survey of Computer Information Systems 3

**Credits: 3**

### Required Courses

CNT140AB Introduction to Networks 4

MST150++ Any Microsoft Windows Operating System course 3

CIS111 Ethics in Information Technology 3

CIS126DL Linux Operating System 3

+ CIS250 Management of Information Systems 3

+ CIS271DB Information Security Essentials 3

+ CIS272DB Information Security Principles 3

**Credits: 22**

### Program Competencies

1. Demonstrate understanding of fundamental networking concepts including IP addressing and the TCP/IP protocol suite. (CNT140AB)
2. Perform system administration activities. (CIS126DL, MST150++)

3. Demonstrate information technology management skills including compliance with industry and governmental standards and legal requirements. (CIS250)
  4. Explain the fundamental components, concepts and application of information security principles. (CIS271DB)
  5. Mitigate risks such as threats, attacks and vulnerabilities that impact the IT infrastructure using security tools and techniques. (CIS272DB)
  6. Analyze ethical considerations that arise from the implementation and use of information technology. (CIS111)
- 

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: June 24, 2014

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## Law Enforcement

|   |  |
|---|--|
| Major: <b>5987N</b>   | Initiating College: <b>Mesa Community College</b>                    |
| First Term: <b>2019 Fall</b>  | Program Availability: <b>CG EM GC MC PC PV RS SC SM</b>              |
| Final Term: <b>Current</b>  | Field of Interest: <b>Behavioral Sciences and Human Services</b>     |
| Award: <b>CCL</b>   | Instructional Council: <b>Administration of Justice Studies (01)</b> |
| Total Credits: <b>15</b>  | GPA: <b>2.00</b>   |
| CIP Code: <b>43.0107</b>  |  |
| SOC Code: <b>33-1012.00, 33-3052.00, 33-3021.01, 33-3021.02, 33-3051.00, 33-3051.00. 33-9032.00, 33-3051.04, 33-3011.00, 33-3021.00, 33-3021.06, 33-3031.00, 33-3021.03</b> |  |

**Description:** The Certificate of Completion (CCL) in Law Enforcement is designed for students who are interested in pursuing a course of study specifically focused on law enforcement. The certificate program specializes in training and education related to the duties of law enforcement. The program is designed for the student with no Arizona police academy experience and is one pathway to the Associate in Applied Science (AAS) in Administration of Justice.

### Learning Outcomes

1. Synthesize multiple sources of information to make timely assessments. (AJS101, AJS123, AJS205, AJS230, AJS275)
2. Solve problems through logical and sound reasoning. (AJS101, AJS123, AJS205, AJS275)
3. Communicate orally, visually and in writing precisely, appropriately, and effectively to varied audiences. (AJS101, AJS205, AJS230, AJS275)
4. Communicate in the language common to the criminal justice system. (AJS101, AJS205, AJS230, AJS275)
5. Collaborate with diverse agencies, community representatives and individuals to achieve common goals. (AJS101, AJS123, AJS230)
6. Apply the principles and processes of criminal and constitutional law, criminology theory, knowledge of the functions and components of the criminal justice system, and current issues to criminal justice operations. (AJS101, AJS123, AJS230)
7. Utilize technology to collect, analyze and communicate data. (AJS101, AJS230, AJS275)
8. Practice professional standards appropriate to the field of criminal justice. (AJS101, AJS123, AJS230, AJS275)
9. Subscribe to and practice ethical behavior appropriate to the field of criminal justice. (AJS101, AJS230, AJS275)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of C or better in all courses within the program.

**This program replaces:****CCL/5107 Police Science****CCL/5145N Law Enforcement**

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**Program Prerequisites: None**

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**Required Courses**

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AJS101 Introduction to Criminal Justice 3

AJS123 Ethics and the Administration of Justice 3

AJS205 Effective Communication and Report Writing in Criminal Justice 3

AJS230 The Police Function 3

AJS275 Criminal Investigation I 3

**Credits: 15**

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 11, 2018

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## Legal Studies

Major: **5966N** Initiating College: **Mesa Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC MC PC PV RS SM**  
 Final Term: **Current** Field of Interest: **Behavioral Sciences and Human Services**

Award: **CCL** Instructional Council: **Administration of Justice Studies (01)**  
 Total Credits: **15** GPA: **2.00**  
 CIP Code: **43.0104**

SOC Code: **Upon completion of this program, students may pursue a career as:**

**23-1012.00 Judicial Law Clerks**  
**33-1012.00 First-Line Supervisors of Police and Detectives**  
**33-3011.00 Bailiffs**  
**33-3012.00 Correctional Officers and Jailers**  
**33-3021.00 Detectives and Criminal Investigators**  
**33-3021.01 Police Detectives**  
**33-3021.02 Police Identification and Records Officers**  
**33-3021.03 Criminal Investigators and Special Agents**  
**33-3051.00 Police and Sheriff's Patrol Officers**  
**33-3051.01 Police Patrol Officers**  
**33-9032.00 Security Guards**  
**43-5031.00 Police, Fire and Ambulance Dispatchers**

**Description:** The Certificate of Completion (CCL) in Legal Studies is designed for students who are interested in pursuing a course of study specifically focused on legal studies. It is one pathway to the Associate in Applied Science (AAS) in Administration of Justice.

## Learning Outcomes

1. Synthesize multiple sources of information to make timely assessments. (AJS109, AJS123, AJS201, AJS205, AJS210)
2. Solve problems through logical and sound reasoning. (AJS109, AJS201, AJS205, AJS210, AJS260)
3. Communicate orally, visually and in writing precisely, appropriately, and effectively to varied audiences. (AJS201, AJS205, AJS210)
4. Communicate in the language common to the criminal justice system. (AJS109, AJS201, AJS205, AJS210)
5. Collaborate with diverse agencies, community representatives and individuals to achieve common goals. (AJS123, AJS201, AJS210)
6. Apply the principles and processes of criminal and constitutional law, criminology theory, knowledge of the functions and components of the criminal justice system, and current issues to criminal justice operations. (AJS109, AJS123, AJS201, AJS210, AJS260)

7. Utilize technology to collect, analyze and communicate data. (AJS201, AJS210)
8. Practice professional standards appropriate to the field of criminal justice. (AJS109, AJS123, AJS201, AJS210, AJS260)
9. Subscribe to and practice ethical behavior appropriate to the field of criminal justice. (AJS109, AJS123, AJS201, AJS210, AJS260)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better for all courses within the program.

**This program replaces: [CCL/5635 Legal Studies](#)**

**Program Prerequisites: None**

### Required Courses

AJS109 Substantive Criminal Law 3  
AJS201 Rules of Evidence 3

**Credits: 15**

AJS123 Ethics and the Administration of Justice (3) OR  
AJS205 Effective Communication and Report Writing in Criminal Justice (3) 3

AJS210 Constitutional Law 3  
AJS260 Procedural Criminal Law 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 28, 2019

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## Linux Associate

Major: **5046N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **6-9** GPA: **2.0**  
 CIP Code: **11.1001**

SOC Code: **Upon completion of this certificate, students may pursue a career in the following job fields:**

**15-1211.00 Computer Systems Analysts**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of an associate degree, students may pursue a career in the following job fields:**

**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**

**Description:** The Certificate of Completion (CCL) in Linux Associate program is designed to help prepare students for employment or to improve current professional skills. The program includes Linux operating system basics and management including sophisticated manipulation of file structures, backup systems, printing processes, troubleshooting, user account management, hard disk maintenance and configuration, process monitoring and prioritizing, kernel customization, and system resource control. This program helps prepare students for the Linux Professional Institute Certification (LPIC-1) and CompTIA Linux + certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

## Learning Outcomes

1. Demonstrate the ability to install Linux. (CIS126DL)
2. Create, manage, and delete user accounts, groups and permissions. (CIS126DL, CIS238DL)
3. Apply troubleshooting techniques to prevent and address system issues. (CIS105, CIS126DL, CIS238DL)
4. Monitor system functions and security through the use of a variety of system tools and logs. (CIS105, CIS126DL, CIS238DL)
5. Install and maintain software packages. (CIS105, CIS126DL, CIS238DL)
6. Describe and navigate the Linux file system hierarchy. (CIS126DL)
7. Create partitions and file systems, and manipulate access to them. (CIS126DL, CIS238DL)
8. Demonstrate configuration and troubleshooting of Linux networking, including network protocols,

client and server systems. (CIS126DL, CIS238DL)

9. Configure and troubleshoot Linux security, including permissions, access control lists (ACLs), and firewalls. (CIS126DL, CIS238DL)

10. Create and maintain shell scripts. (CIS126DL, CIS238DL)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [CCL/5219 Linux Associate](#)

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems (3) OR  
Permission of program director (0) 0-3

**Credits: 6-9**

CIS126DL Linux Operating System 3  
+ CIS238DL Linux System Administration 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Linux System Administration

Major: **5052N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **15-18** GPA: **2.0**  
 CIP Code: **11.1001**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**15-1211.00 Computer Systems Analysts**  
**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of a bachelor`s degree, students may pursue a career as:**

**11-3021.00 Computer and Information Systems Managers**  
**15-1241.00 Computer Network Architects**

**Description:** The Certificate of Completion (CCL) in Linux System Administration program is designed to help prepare students for a variety of industry-recognized Linux certification exams as well as provide practical hands-on skills for the workplace. The program includes a core of Linux classes including Linux operating system basics, system administration, network administration and network security. The courses in the program will help develop a student`s knowledge and skill level in preparation for employment or to improve current professional skills. Students who complete this program may seek employment in a variety of environments. The program helps prepare students for the Red Hat Certified System Administrator (RHCSA), Red Hat Certified Engineer (RHCE), and CompTIA Linux+ certification exams. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Automate system tasks utilizing Linux shell scripting. (CIS239DL, CIS275DL)
2. Demonstrate the ability to install Linux. (CIS126DL, CIS275DL)
3. Create, manage, and delete user accounts, groups and permissions. (CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS240DL, CIS240RH, CIS275DL)
4. Apply troubleshooting techniques to prevent and address system issues. (CIS105, CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS239DL, CIS275DL)
5. Monitor system functions and security through the use of a variety of system tools and logs. (CIS105, CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS240DL, CIS240RH, CIS275DL)
6. Install and maintain software packages. (CIS105, CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS275DL)
7. Describe and navigate the Linux file system hierarchy. (CIS126DL, CIS126RH, CIS275DL)

8. Create partitions and file systems, and manipulate access to them. (CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS240DL, CIS240RH, CIS275DL)
9. Demonstrate configuration and troubleshooting of Linux networking, including network protocols, client and server systems. (CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS240DL, CIS275DL)
10. Configure and troubleshoot Linux security, including permissions, SELinux, access control lists (ACLs), digital certificates, and firewalls. (CIS126DL, CIS126RH, CIS238DL, CIS238RH, CIS240DL, CIS240RH, CIS275DL)
11. Configure automation services. (CIS240RH)
12. Create and maintain shell scripts. (CIS238RH, CIS240RH)

### Program Notes

#### **This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

#### **This program replaces: [CCL/5225 Linux Networking Administration](#)**

#### **Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems (3) OR  
Permission of program director (0) 0-3

**Credits:  
15-18**

Students should select from one of the following two tracks (Linux or Red Hat Enterprise Linux):

#### Linux Track

CIS126DL Linux Operating System 3  
+ CIS238DL Linux System Administration 3  
+ CIS239DL Linux Shell Scripting 3  
+ CIS240DL Linux Network Administration 3  
+ CIS275DL Linux Capstone 3

#### Red Hat Enterprise Linux Track

CIS126RH Red Hat System Administration I 3  
+ CIS238RH Red Hat System Administration II 3  
+ CIS239DL Linux Shell Scripting 3  
+ CIS240RH Red Hat System Administration III 3  
+ CIS275DL Linux Capstone 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

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**MARICOPA**  
COMMUNITY COLLEGES



**APPLIED  
TECHNOLOGY**

## Mechanical Systems Technology

Major: **5846**                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**            Program Availability: **College Specific**  
 Final Term: **Current**              Field of Interest: **Applied Technology**

Award: **CCL**                      Instructional Council: **Applied Technology (57)**  
 Total Credits: **18**                GPA: **2.0**  
 CIP Code: **47.0303**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**49-9041.00 Industrial Machinery Mechanics**  
**49-9043.00 Maintenance Workers, Machinery**  
**49-9071.00 Maintenance and Repair Workers General**  
**49-9098.00 Helpers--Installation, Maintenance, and Repair Workers**

**Upon completion of an associate degree, students may pursue a career as:**  
**51-8013.00 Power Plant Operators**

**Description:** The Certificate of Completion (CCL) in Mechanical Systems Technology program curriculum is designed to provide training for persons interested in the installation and maintenance of mechanical systems found in commercial and industrial facilities. Focus on tools, parts and components; machinery and associated equipment maintenance; and workplace health and safety. An Associate in Applied Science (AAS) in Power Systems Technology is also available.

### Program Notes:

Students must earn a grade of C or better in all courses within the program.

### Program Prerequisites: None

#### Required Courses

|   |                    |
|---|--------------------|
| MIT120 Industrial Technology Fundamentals 3 | <b>Credits: 18</b> |
| PPT124 Power Systems Components I 3         |                    |
| PPT126 Power Systems Components II 3        |                    |
| PPT128 Power Systems Components III 3       |                    |
| PPT210 Valve Maintenance II 3               |                    |
| PPT213 Pumps II 3                           |                    |

#### Learning Outcomes

1. Demonstrate the fundamentals of workplace safety and accident prevention related to the repair and maintenance of mechanical, electrical, and other industrial machinery and equipment per the Occupational Safety and Health Administration (OSHA). (MIT120, PPT124, PPT126, PPT128)

2. Apply relevant mathematical concepts to the industrial setting. (MIT120)
3. Apply the appropriate mechanical fundamental concepts and tools for repair and maintenance of machinery and equipment. (PPT124, PPT126, PPT128)
4. Explain systems, components, and functions related to operations within an industrial environment. (PPT124, PPT126, PPT128, PPT210, PPT213)
5. Describe mechanical components relevant to power systems. (PPT124, PPT126, PPT128, PPT210, PPT213)
6. Apply the knowledge of fluid-control components in industrial operations. (PPT124, PPT126, PPT128, PPT210, PPT213)
7. Evaluate blueprints, diagrams and schematics to analyze and troubleshoot the operation of machinery and equipment. (MIT120, PPT124, PPT126, PPT128, PPT210, PPT213)
8. Work within a team structure. (MIT120, PPT124, PPT126, PPT128)
9. Demonstrate professionalism with conduct, ethics, and work practices. (MIT120, PPT124, PPT126, PPT128)

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 22, 2019

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### Microsoft Desktop Associate

Major: **5030N**                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**            Program Availability: **CG EM GC GW MC PC PV SC SM**  
 Final Term: **Current**            Field of Interest: **Computer and Information Technology**

Award: **CCL**                        Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **3**  
 CIP Code: **11.1001**            GPA: **2.0**

SOC Code: **Upon completion of this certificate, students may pursue a career in the following job fields:**

**15-1151 Computer User Support Specialists**

**Upon completion of an associate`s degree, students may pursue a career in the following job fields:**

**15-1121 Computer Systems Analysts**

**15-1122 Information Security Analysts**

**15-1142 Network and Computer Systems Administrators**

**15-1152 Computer Network Support Specialists**

**Description:** The Certificate of Completion (CCL) in Microsoft Desktop Associate program is designed to provide students with background knowledge and skills required for learning the specific tasks and industry recognized standards associated with how to effectively install and configure Windows operating systems. The course includes basic features of the Windows operating system, virtualization improvements, network connectivity, access to resources, monitor and maintain Windows clients and backup and recovery. It is designed to prepare students for the Microsoft 365 Certified: Modern Desktop Administrator Associate certification exam. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCL) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification exams. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

#### Program Notes:

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students are encouraged, but not required, to complete CIS105, or CIS190, or CNT140AB prior to beginning this CCL. Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**Program Prerequisites: None**

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**Required Courses**

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MST150WT Installing and Configuring Microsoft Windows 10 3

**Credits: 3**

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**Program Competencies**

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1. Install, configure, and manage a Microsoft operating system. (MST150WT)
2. Configure and manage resource security with permissions based access control including file system permissions. (MST150WT)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Microsoft Office Professional

Major: **5132** Initiating College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **16-22** GPA: **2.0**  
 CIP Code: **11.0601**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**43-6014.00 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive**  
**43-9061.00 Office Clerks, General**  
**43-9021.00 Data Entry Keyers**

**Description:** The Certificate of Completion (CCL) in Microsoft Office Professional emphasizes training on word processing, spreadsheet, database, and presentation software for business purposes. This certificate provides students with the knowledge and skills requisite of various business settings. This certificate helps with initial preparation for the Microsoft examinations for certification as a Microsoft Office Specialist (MOS). This certificate embeds into the Associate in Applied Science (AAS) degree in Information Technology and Certificate of Complete (CCL) in Microsoft Office Specialist.

### Learning Outcomes

1. Discuss the role of computer information systems in developing business solutions. (CIS105)
2. Create simple macros using Visual Basic for Applications (VBA). (CIS105, CIS114DE)
3. Prepare business documents using Microsoft Word. (CIS105, CIS113DE)
4. Develop spreadsheets using Microsoft Excel. (CIS105, CIS114DE)
5. Create relational databases using Microsoft Access. (CIS105, CIS117DM)
6. Produce presentations using Microsoft PowerPoint. (CIS105, CIS118DB)
7. Manage files using the Windows Operating System. (BPC270, CIS105, CIS121AE, CIS122AE, MST150++)
8. Utilize Microsoft Project to manage business projects. (CIS124AA, CIS124BA, CIS224)
9. Integrate Microsoft applications to meet business needs. (BPC/OAS111AA, BPC270, CIS105, CIS113DE, CIS114DE, CIS117DM, CIS118DB, CIS121AE, CIS122AE, CIS224, MST150++)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:**

**CCL/5146 Computer Applications: Microsoft Office Specialist/Basic**



[CCL/5147 Computer Applications: Microsoft Office Specialist/Advanced](#)  
[CCL/5212 Business Office Computer Applications](#)  
[CCL/5213 Computer Usage and Applications](#)  
[CCL/5214 Computer Applications Technology](#)  
[CCL/5217 Computer Applications](#)  
[CCL/5644 Business Applications Specialist](#)

**Program Prerequisites: None**

**Required Courses**

BPC/OAS111AA Computer Keyboarding I (1) OR  
 Permission of Program Director (0) 0-1

**Credits: 16-  
22**

CIS105 Survey of Computer Information Systems (3) OR  
 Permission of Program Director (0) 0-3

CIS113DE Microsoft Word: Word Processing 3

CIS114DE Excel Spreadsheet 3

CIS117DM Microsoft Access: Database Management 3

CIS118DB Desktop Presentation: Powerpoint 3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3)  
 OR

CIS121AE Windows Operating System: Level I (1) AND

CIS122AE Windows Operating System: Level II (1) OR

MST150++ Microsoft Windows (3) 2-3

CIS124AA Project Management Software: Level I (1) AND

CIS124BA Project Management Software: Level II (1) OR

CIS224 Project Management Microsoft Project for Windows (3) 2-3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**COMPUTER AND  
INFORMATION  
TECHNOLOGY**



### Microsoft Office Specialist

Major: **5137**                                      Initiating College: **Mesa Community College**  
 First Term: **2021 Fall**                                      Program Availability: **CG EM GC MC PV RS SC SM**  
 Final Term: **Current**                                      Field of Interest: **Computer and Information Technology**

Award: **CCL**                                      Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **25-31**  
 CIP Code: **11.0601**                                      GPA: **2.0**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**43-6011.00 Executive Secretaries and Executive Administrative Assistants**  
**43-6014.00 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive**  
**43-9061.00 Office Clerks, General**  
**43-9021.00 Data Entry Keyers**

**Upon completion of the AAS degree, students may pursue a career as:**  
**15-1232.00 Computer User Support Specialists**

**Upon completion of a bachelor`s degree, students may pursue a career as:**  
**11-3021.00 Computer and Information Systems Managers**  
**15-1211.00 Computer Systems Analysts**  
**15-1212.00 Information Security Analysts**

**Description:** The Certificate of Completion (CCL) in Microsoft Office Specialist emphasizes advanced training on word processing, spreadsheet, and database software for business purposes. This certificate builds upon the knowledge and skills gained by the CCL in Microsoft Office Professional for use in various business settings. This certificate helps prepare students for the Microsoft Office Specialist (MOS) certification examinations. This certificate embeds into the Associate in Applied Science (AAS) degree in Information Technology.

### Learning Outcomes

1. Discuss the role of computer information systems in developing business solutions. (CIS105)
2. Create macros using Visual Basic for Applications (VBA). (CIS105, CIS114DE, CIS213DE, CIS214DE, CIS217AM)
3. Prepare business documents in Microsoft Word using advanced word processing features. (CIS105, CIS113DE, CIS213DE)
4. Develop complex workbooks using Microsoft Excel. (CIS105, CIS114DE, CIS214DE)
5. Create advanced relational databases using Microsoft Access. (CIS105, CIS117DM, CIS217AM)
6. Produce presentations using Microsoft PowerPoint. (CIS105, CIS118DB)
7. Manage files using the Windows Operating System. (BPC270, CIS105, CIS121AE, CIS122AE, MST150++)
8. Utilize Microsoft Project to manage business projects. (CIS121AA, CIS121BA, CIS224)

o. Utilize Microsoft Project to manage business projects. (CIS124AA, CIS124BA, CIS224)

9. Integrate Microsoft applications to meet multi-faceted business needs. (BPC/OAS111AA, BPC270, CIS105, CIS113DE, CIS114DE, CIS117DM, CIS118DB, CIS121AE, CIS122AE, CIS213DE, CIS214DE, CIS217AM, CIS224, MST150++)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [CCL/5218 Advanced Computer Usage and Applications](#)

**Program Prerequisites: None**

### Required Courses

The following courses are required and included in Microsoft Office Professional CCL

**Credits: 25-31**

BPC/OAS111AA Computer Keyboarding I (1) OR  
Permission of Program Director (0) 0-1

CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director (0) 0-3

CIS113DE Microsoft Word: Word Processing 3  
CIS114DE Excel Spreadsheet 3  
CIS117DM Microsoft Access: Database Management 3  
CIS118DB Desktop Presentation: Powerpoint 3

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3)  
OR  
CIS121AE Windows Operating System: Level I (1) AND  
CIS122AE Windows Operating System: Level II (1) OR  
MST150++ Microsoft Windows (3) 2-3

CIS124AA Project Management Software: Level I (1) AND  
CIS124BA Project Management Software: Level II (1) OR  
CIS224 Project Management Microsoft Project for Windows (3) 2-3

The following courses are required in Microsoft Office Specialist CCL

CIS213DE Advanced Microsoft Word: Word Processing 3  
CIS214DE Advanced Excel Spreadsheet: Level II 3  
CIS217AM Advanced Microsoft Access: Database Management 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Microsoft System Administration

|   |   |
|---|---|
| Major: <b>5031</b>  | Primary College: <b>Paradise Valley Community College</b>       |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>CG EM GC MC PC PV</b>                  |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>18-21</b>   |   |
| CIP Code: <b>11.1001</b>  | GPA: <b>2.0</b>   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career in the following job fields:</b> |   |
| <b>15-1121 Computer Systems Analysts</b>  |   |
| <b>15-1122 Information Security Analysts</b>  |   |
| <b>15-1142 Network and Computer Systems Administrators</b>  |   |
| <b>15-1152 Computer Network Support Specialists</b>   |   |
| <b>Upon completion of a bachelor's degree, students may pursue a career in the following job fields:</b>        |   |
| <b>11-3021 Computer and Information Systems Managers</b>  |   |
| <b>15-1143 Computer Network Architects</b>  |   |

**Description:** The Certificate of Completion (CCL) in Microsoft System Administration program is designed to provide students with background knowledge and skills required for learning the specific tasks and industry recognized standards associated with computer networks and data communications. The program includes a core of Microsoft courses to develop professionals who implement, manage, and troubleshoot existing network and system environments based on current Microsoft operating systems including active directory, messaging services, file and print servers, and firewalls. The courses in the program are also designed to help prepare students for the Microsoft 365 Certified: Modern Desktop Administrator Associate and Microsoft Certified Solutions Associate (MCSA) - Windows Server 2016 certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCL) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Monitor events and manage network resources.(MST155DC, MST157DC, MST158DB)
2. Install, configure, and manage a Microsoft network operating system, virtualization, containerization, and Deployment Services. (CIS105, CIS121AH, MST150++, MST155DC, MST157DC, MST158DB)
3. Install, configure, and manage networks with Microsoft Active Directory services and policies including Federation Services. (MST158DB)

including Federation Services. (MST158DB)

4. Design, install, configure, and manage Microsoft network infrastructure services. (CIS121AH, MST155DC, MST157DC, MST158DB)
5. Configure and manage resource security with permissions based access control including file system permissions. (CIS121AH, MST150++, MST155DC, MST157DC, MST158DB)
6. Design, install, configure, and manage high availability and scalable systems while also employing disaster recovery planning. (MST150++, MST155DC, MST157DC)
7. Utilize scripting to automate system administration tasks. (CIS121AH)

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:**

[CCL/5124 Network Administration: Microsoft Windows Server](#)

[CCL/5852 Microsoft Server Administration](#)

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems (3) OR  
May be waived by permission of the Program Director (0) 0-3

**Credits: 18-21**

CIS121AH Microsoft PowerShell/Command Line Operations 3  
MST150++ Any Microsoft Windows course 3  
+ MST155DC Installation, Storage, and Compute with Windows Server 4  
+ MST157DC Networking with Windows Server 4  
+ MST158DB Installing and Configuring Windows Server 4

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

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## Network and Systems Administration

Major: **3189**                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2021 Fall**            Program Availability: **CG, EM, GC, GW, MC, PC, PV, SC, SM**  
 Final Term: **Current**            Field of Interest: **Computer and Information Technology**

Award: **AAS**                      Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **60-71**            GPA: **2.0**  
 CIP Code: **11.1001**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**15-1211.00 Computer Systems Analysts**  
**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**  
**15-1231.00 Computer Network Support Specialists**  
**15-1232.00 Computer User Support Specialists**  
**43-9011.00 Computer Operators**  
**49-2011.00 Computer, Automated Teller, and Office Machine Repairers**

**Upon completion of a bachelor's degree, students may pursue a career as:**

**11-3021.00 Computer and Information Systems Managers**  
**15-1241.00 Computer Network Architects**

**Description:** The Associate in Applied Science (AAS) in Network and Systems Administration program provides students with a solid, hands-on skill set of computer, networking, and internetworking systems technology principles and desktop support. Students gain an understanding of the interaction between microcomputer software and hardware, network and internetworking operating systems software and hardware, local area network administration and management, the use of troubleshooting techniques, troubleshooting hardware and software tools, as well as interpersonal/customer service skills. Students have the opportunity to specialize in specific information technology areas based on their interests and professional goals and leading to industry recognized certifications through an embedded Certificate of Completion (CCL) including, but not limited to, Desktop (Desktop Support, Computer System Configuration and Support, Computer System Configuration and Support, Network, Computer System Configuration and Support, Security, Computer System Configuration and Support, Linux), Cisco (Cisco Network CCNA, Cisco Network CCNP, Cisco Network CCNA Security), Linux (Red Hat Linux Engineer, Linux Associate, Red Hat Linux Administrator, Linux System Administration), Microsoft (Microsoft System Administration, Microsoft Desktop Associate), and VMware (VMware Network Administrator, VMware Foundations, VMware System Administrator). Graduates may pursue employment in a variety of information technology environments and/or transfer to a university.

### Learning Outcomes

1. Update hardware and software as needed to maintain fully functional systems. (BPC170, BPC270, CIS126DL, CIS126RH, CIS238DL, CIS238RH, BPC171, CIS290++, CIS296++, CIS298++, MST150++, MST155DC, MST157DC, MST158DC)

2. Apply knowledge of operating systems to manage system hardware, security protocols, and



2. Apply knowledge of operating systems to manage system hardware, security protocols, and software technologies. (BPC270, CIS102DA, CIS121AB, CIS121AH, CIS126DL, CIS126RH, CIS197, CIS238DL, CIS238RH, CIS239DL, CIS240DL, CIS240RH, CIS266, CIS270, CIS271DB, CIS271RH, CIS272DB, CIS275DL, CNT202, CNT205, ITS110, MST150++, MST155DC, MST157DC, MST158DC, CIS290++, CIS296++, CIS298++)
3. Design, maintain, and revise systems to meet desired specifications. (BPC170, BPC270, CIS121AB, CIS121AH, CIS126DL, CIS126RH, CIS197, CIS198, CIS238DL, CIS238RH, CIS239DL, CIS240DL, CIS240RH, CIS266, CIS270, CIS271DB, CIS271RH, CIS272DB, CIS275DL, CNT140AB, CNT150AB, CNT160AB, CNT202, CNT205, CNT240, CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, ITS110, MST150++, MST155DC, MST157DC, MST158DC, BPC171, CIS290++, CIS296++, CIS298++)
4. Manage administrative access and user security policies within systems. (BPC270, CIS121AH, CIS126DL, CIS126RH, CIS190, CIS197, CIS198, CIS200, CIS238DL, CIS238RH, CIS239DL, CIS240DL, CIS240RH, CIS266, CIS270, CIS271DB, CIS271RH, CIS272DB, CIS275DL, CNT150AB, CNT202, CNT205, CNT240, CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, ITS110, MST150++, MST155DC, MST157DC, MST158DC, BPC171, CIS290++, CIS296++, CIS298++)
5. Organize and prioritize workload to ensure successful completion of projects. (CIS102DA, CIS124AA, CIS124BA, CIS224, CIS250, CIS266, CIS275DL, CIS290++, BPC171, CIS296++, CIS298++, [FYC])
6. Integrate social and ethical responsibility in decision-making and actions. (CIS102DA, CIS105, CIS111, CIS250, CIS270, CIS271DB, CIS272DB, CNT202, CNT205, ITS110, BPC171, CIS290++, CIS296++, CIS298++, ITS120, CRE101, [HU], [SB])
7. Continuously adapt to an ever-changing technical environment. (BPC170, BPC270, CIS102DA, CIS105, CIS111, CIS121AH, CIS124AA, CIS124BA, CIS126DL, CIS126RH, CIS156, CIS189, CIS190, CIS197, CIS198, CIS200, CIS224, CIS238DL, CIS238RH, CIS239DL, CIS240, CIS240DL, CIS240RH, CIS250, CIS266, CIS270, CIS271DB, CIS271RH, CIS272DB, CIS275DL, CIS290++, CNT150AB, CNT160AB, CNT202, CNT205, CNT240, CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, ITS110, ITS120, MST150++, MST155DC, MST157DC, MST158DC, BPC171, CIS296++, CIS298++)
8. Demonstrate professional behaviors and abide by norms and conventions appropriate to the field. (CIS102DA, CIS105, CIS111, CIS250, CIS270, CIS271DB, CIS272DB, CIS290++, CNT202, CNT205, ITS110, BPC171, CIS296++, CIS298++, ITS120, CRE101, [HU], [SB])
9. Apply critical thinking skills and problem-solving to configure and troubleshoot systems to ensure proper operation. (BPC170, BPC270, CIS102DA, CIS105, CIS121AH, CIS126DL, CIS126RH, CIS156, CIS190, CIS197, CIS198, CIS200, CIS238DL, CIS238RH, CIS239DL, CIS240, CIS240DL, CIS240RH, CIS266, CIS270, CIS271DB, CIS271RH, CIS272DB, CIS275DL, CIS290++, CNT150AB, CNT160AB, CNT202, CNT205, CNT240, CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, ITS110, MST150++, MST155DC, MST157DC, MST158DC, BPC171, CIS296++, CIS298++, CRE101, [MA], [SG], [SQ])
10. Utilize effective written and oral communication with multiple stakeholders in formal and informal settings. (CIS102DA, CIS124AA, CIS124BA, CIS224, CIS250, CIS290++, CIS296++, CIS298++, CRE101, (COM), [FYC])
11. Demonstrate the ability to work with others individually and as a team. (CIS102DA, CIS124AA, CIS124BA, CIS224, CIS250, CIS290++, BPC171, CIS296++, CIS298++, CRE101, (COM), [SB])
12. Create and maintain proper documentation of design, implementation, validation, workflow processes, troubleshooting, and revisions of systems. (CIS102DA, CIS121AH, CIS124AA, CIS124BA, CIS156, CIS224, CIS239DL, CIS240, CIS250, CIS266, CIS275DL, CIS290++, CNT140AB, CNT150AB, CNT160AB, CNT240, CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, MST155DC, MST157DC, MST158DC, BPC171, CIS296++, CIS298++, CRE101, [FYC], [MA], [SG], [SQ])
13. Maintain, update, and monitor networks and computer systems using automation and scripting. (CIS121AB, CIS121AH, CIS156, CIS238DL, CIS238RH, CIS239DL, CIS240DL, CIS240RH, CNT240,



CNT240AA, CNT240AB, CNT250, CNT250AA, CNT250AB, CIS271RH, CIS290++, CIS296++, CIS298++, CIS266, CIS275DL)

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### Program Notes

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Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

Students may receive credit for courses within the program based on current industry certifications.

#### **This program replaces:**

[AAS/3013 Linux Networking Administration](#)

[AAS/3095 Information Technology: Cisco Networking](#)

[AAS/3096 Information Technology: Network Server](#)

[AAS/3208 Networking System Administration](#)

[AAS/3312 Computer and Networking Technology](#)

[AAS/3778 Microsoft Networking Technology](#)

[AAS/3794 Network Administration](#)

[AAS/3816 Networking Technology: Cisco](#)

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#### **Program Prerequisites: None**

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### Required Courses

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BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3  
 + BPC270 A+ Exam Prep: Operating System Configuration and Support 3  
 CIS102DA Customer User Support 3  
 CIS105 Survey of Computer Information Systems 3

**Credits:  
30-43**

CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (4) 3-4  
 (CNT140AB is required for students on the Cisco emphasis)

Students must also select from one of the following areas of emphasis based on their career goals.

Emphasis 1: Cisco System Administration (CCNA) and Security  
 Credits: 12

+ CNT150AB Switching, Routing, and Wireless Essentials 4  
 + CNT160AB Enterprise Networking, Security, and Automation 4

+ CNT202 Cisco Secure Firewall Appliance Configuration (4) OR  
 + CNT205 Cisco Certified Network Associate Security (4) 4

Emphasis 2: Cisco System Administration (CCNP)

Credits: 24

- + CNT150AB Switching, Routing, and Wireless Essentials 4
- + CNT160AB Enterprise Networking, Security, and Automation 4

- + CNT240 Cisco Certified Network Professional: Enterprise Core (8) OR
- + CNT240AA Cisco Certified Network Professional: Enterprise Core I (4) AND
- + CNT240AB Cisco Certified Network Professional: Enterprise Core II (4) 8

- + CNT250 Cisco Certified Network Professional: Enterprise Advanced Routing and Services (8) OR
- + CNT250AA Cisco Certified Network Professional: Enterprise Advanced Routing and Services I (4) AND
- + CNT250AB Cisco Certified Network Professional: Enterprise Advanced Routing and Services II (4) 8

Emphasis 3: Linux System Administration

Credits: 12

- + CIS238DL Linux System Administration 3
- + CIS239DL Linux Shell Scripting 3
- + CIS240DL Linux Network Administration 3
- + CIS275DL Linux Capstone 3

Emphasis 4: Red Hat Enterprise Linux Administration

Credits: 15

- + CIS238RH Red Hat System Administration II 3
- + CIS239DL Linux Shell Scripting 3
- + CIS240RH Red Hat System Administration III 3
- + CIS271RH Red Hat System Administration IV 3
- + CIS275DL Linux Capstone 3

Emphasis 5: Microsoft System Administration

Credits: 18

- CIS121AH Microsoft PowerShell/Command Line Operations 3
- MST150++ Any Microsoft Windows Operating System course 3
- + MST155DC Installation, Storage, and Compute with Windows Server 4
- + MST157DC Networking with Windows Server 4
- + MST158DC Identity Management with Windows Server 2016 4

Emphasis 6: VMware Network Administrator

Credits: 12

- CIS189 Virtualization and IT Solutions for Digital Businesses 3
- + CIS197 VMware ESXI Server Enterprise 3
- + CIS198 VMware vSphere: Optimize and Scale 3
- + CIS200 VMware NSX: Install, Configure, Manage 3

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### Restricted Electives

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Students are to select enough Restricted Elective credits to meet a minimum of 60 credits not used to satisfy Required Courses or selected area of emphasis within the Required Courses. Consult with an Academic, Program, or Faculty Advisor to pick courses that align with your career goals.

**Credits:**  
**0-8**

### Cisco Electives

CNT140AB Introduction to Networks 4

+ CNT150AB Switching, Routing, and Wireless Essentials 4

+ CNT160AB Enterprise Networking, Security, and Automation 4

+ CNT171 CCNA Exam Prep 1

+ CNT202 Cisco Secure Firewall Appliance Configuration (4) OR

+ CNT205 Cisco Certified Network Associate Security (4) 4

+ CNT206 Cisco Certified Network Associate Wireless 4

### Linux Electives

+ CIS238DL Linux System Administration (3) OR

+ CIS238RH Red Hat System Administration II (3) 3

+ CIS239DL Linux Shell Scripting 3

+ CIS240DL Linux Network Administration (3) OR

+ CIS240RH Red Hat System Administration III (3) 3

+ CIS275DL Linux Capstone 3

### Microsoft Electives

MST+++++ Any MST Microsoft Technology course

CIS121AB Microsoft Command Line Operations 1

CIS121AH Microsoft PowerShell/Command Line Operations 3

### Security Electives

+ CIS270 Essentials of Network and Information Security 3

+ CIS271DB Information Security Essentials 3

+ CIS272DB Information Security Principles 3

+ ITS110 Information Security Fundamentals 3

### VMware Electives

CIS189 Virtualization and IT Solutions for Digital Businesses 3

+ CIS197 VMware ESXI Server Enterprise 3

+ CIS198 VMware vSphere: Optimize and Scale 3

+ CIS200 VMware NSX: Install, Configure, Manage 3

### Other Information Technology Electives

BPC171 Recycling Used Computer Technology 1-3

CIS111 Ethics in Information Technology 3

CIS124AA Project Management Software: Level I 1

+ CIS124BA Project Management Software: Level II 1

+ CIS156 Python Programming: Level I 3

+ CIS190 Introduction to Networking 3

CIS224 Project Management Microsoft Project for Windows 3

+ CIS240 Local Area Network Planning and Design 3

+ CIS250 Management of Information Systems 3

+ CIS266 Network Integration Capstone 4

+ CIS290++ Computer Information Systems Internship 1-3

+ CIS296++ Cooperative Education 1-4

+ CIS298++ Special Projects 1-3

ITS120 Legal, Ethical, and Regulatory Issues 3

## General Education Requirements

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**General Education Requirement**
**Credits: 22-28**


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**General Education Core**
**Credits: 12-18**


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**First-Year Composition**
**Credits: 6**


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+ ENG101 First-Year Composition (3) OR  
 + ENG107 First-Year Composition for ESL (3)  
 AND  
 + ENG102 First-Year Composition (3) OR  
 + ENG108 First-Year Composition for ESL (3) OR  
 + ENG111 Technical and Professional Writing (3) 6  
 (ENG111 does not count as an ENG Transfer option)

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**Oral Communication**
**Credits: 3**


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COM100 Introduction to Human Communication (3) OR  
 COM110 Interpersonal Communication (3) OR  
 + COM225 Public Speaking (3) OR  
 COM230 Small Group Communication (3) 3

COM225 is recommended for students transferring to Northern Arizona University.

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**Critical Reading**
**Credits: 0-3**


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+ CRE101 College Critical Reading and Critical Thinking (3) OR  
 Equivalent as indicated by assessment 0-3

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**Mathematics**
**Credits: 3-6**


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+ MAT140 College Mathematics (5) OR  
 + MAT141 College Mathematics (4) OR  
 + MAT142 College Mathematics (3) OR  
 MAT145 College Mathematics with Review (5) OR  
 MAT146 College Mathematics with Review (6) OR  
 Equivalent or higher level mathematics course in the Mathematical Applications [MA] area. 3-6

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**General Education Distribution**
**Credits: 10**


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**Humanities, Arts and Design**
**Credits: 3**


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Any approved general education course from the Humanities, Arts and Design [HU] area. 3

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**Social Behavioral Sciences**
**Credits: 3**


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**Social-Behavioral Sciences****Credits: 3**

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Any approved general education course from the Social-Behavioral Sciences [SB] area. 3

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**Natural Sciences****Credits: 4**

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Any approved general education course from the Natural Sciences [SG] or [SQ] area. 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Nuclear Power Technology

Major: **3174** Primary College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **College Specific**  
 Final Term: **Current** Field of Interest: **Applied Technology**

Award: **AAS** Instructional Council: **Applied Technology (57)**  
 Total Credits: **60** GPA: **3.0**  
 CIP Code: **47.0303**

SOC Code: **Upon completion of this degree, students may pursue a career as:**  
**49-2094.00 Electrical and Electronics Repairers, Commercial and Industrial Equipment**  
**49-2095.00 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay**  
**49-9021.02 Refrigeration Mechanics and Installers**  
**49-9041.00 Industrial Machinery Mechanics**  
**49-9044.00 Millwrights**  
**51-4041.00 Machinists**  
**51-4121.06 Welders, Cutters, and Welder Fitters**

**Description:** The Associate in Applied Science (AAS) in Nuclear Power Technology program is designed to provide trade-related classroom training as required by the US Department of Labor, Bureau of Apprenticeship and Training, the State of Arizona Apprenticeship Division, and the National Academy for Nuclear Training. The program consists of a core curriculum that is common to all nuclear power plant maintenance disciplines. The student selects courses from the restricted electives to complete specialized craft-related training.

### Learning Outcomes

1. Demonstrate use of software applications to include word processing, spreadsheets, and keyboarding. (CIS105, PPT103, PPT118, CRE101, DFT105AA, DFT115, GTC236, [COM], [FYC], [MA])
2. Apply safety principles pertaining to nuclear processes and systems. (PPT101, PPT120, PPT202, PPT203, PPT221, ELC119, ELC217, ELC218, GTC/OSH/MIT106, OSH106AC)
3. Read and interpret technical documents pertaining to nuclear power plant systems. (PPT120, PPT121, PPT202, PPT203, PPT222, DFT114, PPT103, ELC119, ELC120, ELC217, ELC218, PPT210, PPT213, CRE101, PHS110, PHY101, [FYC], [MAT])
4. Explain fundamental theories related to nuclear power plant components and systems. (PPT120, PPT121, PPT202, PPT203, PPT221, ELC119, ELC/FAC/HVA105, HVA143, PPT112, PPT222, PHS110, PHY101,
5. Solve technical problems related to nuclear power plant components and systems using equations and mathematical principles. (MAT120, MAT150, MAT151, MAT152, PPT120, PPT121, PPT202, PPT203, PPT221, PPT222, ELC119, ELC210, ELT131)
6. Describe the operation of various nuclear power plant components, systems, and processes. (PPT120, PPT121, PPT202, PPT203, PPT221, PPT222, OSH106AC)
7. Effectively communicate and work within a diverse team structure. (PPT118, PPT205, [COM], CRE101, ELC217, ELC218, ELT251, [FYC], [HU], [SB])
8. Demonstrate professionalism with conduct, ethics, and work practices. (ELC217, ELC218, PPT118,

GTC/OSH/MIT106, OSH106AC, CRE101, [COM], [FYC], [HU], [SB])

#### Electrical Emphasis Outcomes

1. Use the appropriate electrical fundamental concepts and tools for repair and maintenance of electrical equipment. (ELT113, ELC119, ELC120, ELC210, ELC217, ELC218)
2. Explain the methods for producing electric power. (ELC210)
3. Describe the applications of electric motor control and variable frequency drives in commercial and industrial settings. (ELC217, ELC218)

#### Mechanical/Millwright Emphasis Outcomes

1. Explain systems, components, and functions related to operations within an industrial environment. (MET112, PPT210, PPT213, PPT281, PPT219)
2. Describe mechanical components relevant to power systems. (GTC223, PPT210, PPT213)
3. Apply the knowledge of fluid-control components in industrial operations. (PPT210, PPT213)

#### Instrumentation Emphasis Outcomes

1. Define and describe principles, concepts, and devices related to electronics and solid state technology. (ELC120, ELT251)
2. Demonstrate proper use of tools and electrical/electronics test instruments used in industrial and commercial settings. (ELC119, ELC120, ELT113, PPT115)
3. Describe, implement, and measure combinational logic circuits incorporating commonly used integrated circuits. (ELT131)
4. Use timing diagrams to analyze sequential logic circuits. (ELT251)
5. Use logic analyzers to study digital data and counters. (ELT195, ELT251)

#### HVAC Emphasis Outcomes

1. Analyze system design and operation of a refrigeration system. (FAC/HVA101, HVA103, HVA104)
2. Analyze system design and operation of an air conditioning system. (HVA112, FAC/HVA210, FAC220)
3. Analyze system design and operation of a hydronic heating and cooling system. (FAC/HVA210)
4. Evaluate selected heating and cooling systems to determine proper air and water flow. (FAC186, FAC235)
5. Calculate heating and cooling loads based on the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE). (HVA143, FAC/HVA231)
6. Calculate duct sizes based on ASHRAE heating and cooling load calculations. (HVA143)

#### Welding Emphasis Outcomes

1. Perform various types of welding beads on various joints in position and out of position, and analyze welding quality as it relates to inspection and quality control. (WLD101, WLD106, WLD201, WLD206, WLD208)
2. Apply theory, practice, set-up and operation of all types of machines concerning tig, mig, and sub-arc welding with emphasis on tungsten inert gas and wire feed. (WLD206, WLD208)
3. Perform all "out of position" welding tasks in preparation for certification test, and perform American Welding Society (A.W.S.) test in vertical and overhead positions. (WLD101, WLD106, WLD201, WLD206, WLD208)

#### Machinist

1. Apply appropriate analytical concepts for precise measurements and geometric dimensioning. (MAT120, MAT150, MAT151, MAT152)
2. Describe the mechanical and physical properties of metals. (GTC216)
3. Demonstrate the proper use of lathes, drill presses, grinders, and milling machines, from set-up to

selection to operation and finish product according to industry standards. (PPI218, PPI219)

4. Plan processes for machining and finishing from mechanical prints. (DFT114)

5. Identify and apply Geometric Dimensioning and Tolerancing (GDT) symbology. (DFT115)

### Program Notes

Students must earn a grade of B or better in all courses within the program.

+ indicates course has prerequisite and/or corequisites.

### Admission Criteria

This program is offered through an educational partnership. Employment by the partnership organization is required for admission.

### Program Prerequisites: None

### Required Courses

CIS105 Survey of Computer Information Systems 3

**Credits: 27-29**

+ MAT150 College Algebra/Functions (5) OR

+ MAT151 College Algebra/Functions (4) OR

+ MAT152 College Algebra/Functions (3) 3-5

PPT101 Hand and Power Tools 1

PPT103 Print Reading and Plant Drawings 1

PPT118 Conduct of Maintenance 1

PPT120 Energy Industry Fundamentals 3

PPT121 Power Plant Components 3

+ PPT202 Power Plant Systems I 3

+ PPT203 Power Plant Systems II 3

+ PPT221 Reactor Theory 3

+ PPT222 Reactor Plant Chemistry and Materials 3

### Restricted Electives

Students must follow the requirements of the following apprentice program in which they are indentured. Four (4) to eleven (11) credits for a minimum of 60 total credits from the following emphases can be applied to the AAS degree. Speak to the Palo Verde Apprenticeship Coordinator for details on the specific options.

**Credits:  
4-11**

Mechanical/Millwright Emphasis

PPT107 Lubrication 1

PPT108 Turbines 1

PPT112 Principles of Machining 3

PPT114 Drive and Gear Components 1

PPT115 Hydraulics and Pneumatics 2

PPT119 Instrument Air Compressor Maintenance 2

PPT204 Measuring and Test Equipment 1

PPT205 Rigging 2

PPT206 Bearings 1



PPT207 Heat Exchangers 1  
 PPT209 Pipefitting Auxiliaries II 2  
 PPT210 Valve Maintenance II 3  
 PPT211 Couplings 0.5  
 PPT212 Control Valves and Actuators 1  
 PPT213 Pumps II 3  
 PPT214 Machine Alignment 3  
 PPT215 Relief and Safety Valves 1  
 PPT218 Lathe Operations 2  
 PPT219 Milling Machine Operations 2

#### Electrical Emphasis

ELT113 Basic Electronics 4  
 ELC119 Concepts of Electricity and Electronics 3  
 ELC120 Solid State Fundamentals 3  
 + ELC210 AC Machinery and DC Machinery 3  
 + ELC217 Motor Controls 3  
 + ELC218 Variable Frequency Drives 3

#### Instrumentation Emphasis

ELC219 Programmable Controllers 4  
 PPT115 Hydraulics and Pneumatics 2  
 + ELT113 Basic Electronics 4  
 + ELT131 Digital and Logic Circuits 4  
 + ELT195 Solid State Electronics 4  
 + ELT251 Electronic Instrumentation 3

#### Welding Emphasis

WLD101 Introduction to Welding 3  
 WLD106 Arc Welding 5  
 + WLD201 Advanced Welding Concepts 3  
 + WLD206 Advanced Welding - Heliarc and Wire Feed 5  
 + WLD208 Advanced Arc Welding - Certification 5

#### HVAC Emphasis

FAC/HVA101 Refrigeration Applications and Components I 3  
 + FAC186 Electro-Mechanical Devices 3  
 + FAC/HVA210 Facilities Air Conditioning Systems 3  
 + FAC220 Controls and Instrumentation 3  
 + FAC/HVA231 Codes 3  
 + FAC235 Commercial Air and Water Test and Balance 3  
 GTC/OSH/MIT106 Industrial Safety 2  
 + HVA103 Refrigeration Applications and Components II 3  
 + HVA104 EPA Section 608 Technician Preparation and Certification 0.5  
 + HVA112 Heating and Air Conditioning 3  
 + HVA143 Load Calculation and Duct Design 3  
 OSH106AC Industrial Safety 3

#### Machinist

DFT105AA Computer Aided Drafting I: AutoCAD 3  
 DFT114 Machine Trades Blueprint Reading 3

+ DF I 115 Geometric Dimensioning and Tolerancing 3  
 GTC/OSH/MIT106 Industrial Safety 2  
 GTC216 Properties of Materials 3  
 + GTC223 Advanced Machine Tools 3  
 GTC236 CAD/CAM Computer Numerical Control (CNC) Programming 3  
 + MET112 Inspection Techniques 3  
 PPT218 Lathe Operations 2  
 PPT219 Milling Machine Operations 2

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### General Education Requirements

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|                                      |                       |
|--------------------------------------|-----------------------|
| <b>General Education Requirement</b> | <b>Credits: 22-27</b> |
|--------------------------------------|-----------------------|

|                               |                       |
|-------------------------------|-----------------------|
| <b>General Education Core</b> | <b>Credits: 12-17</b> |
|-------------------------------|-----------------------|

|                               |                   |
|-------------------------------|-------------------|
| <b>First-Year Composition</b> | <b>Credits: 6</b> |
|-------------------------------|-------------------|

ENG101 First-Year Composition (3) OR  
 ENG107 First-Year Composition for ESL (3) 3  
 AND  
 ENG102 First-Year Composition (3) OR  
 ENG108 First-Year Composition for ESL (3)  
 ENG111 Technical and Professional Writing (3) 3

Note: ENG102 recommended for students seeking university transfer.

|                           |                   |
|---------------------------|-------------------|
| <b>Oral Communication</b> | <b>Credits: 3</b> |
|---------------------------|-------------------|

Any approved general education course in the Oral Communication area. 3

Recommend:

COM100 Introduction to Human Communication (3) OR  
 COM230 Small Group Communication (3) 3

|                         |                     |
|-------------------------|---------------------|
| <b>Critical Reading</b> | <b>Credits: 0-3</b> |
|-------------------------|---------------------|

CRE101 College Critical Reading and Critical Thinking (3)  
 Equivalent as indicated by assessment (0) 0-3

|                    |                     |
|--------------------|---------------------|
| <b>Mathematics</b> | <b>Credits: 3-5</b> |
|--------------------|---------------------|

+ MAT120 Intermediate Algebra (5) OR  
 + MAT121 Intermediate Algebra (4) OR  
 + MAT122 Intermediate Algebra (3) 3-5

|                                       |                    |
|---------------------------------------|--------------------|
| <b>General Education Distribution</b> | <b>Credits: 10</b> |
|---------------------------------------|--------------------|

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**Humanities, Arts and Design****Credits: 3**

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Any approved general education course in the Humanities, Arts and Design area.

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**Social-Behavioral Sciences****Credits: 3**

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Any approved general education course in the Social-Behavioral Sciences area.

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**Natural Sciences****Credits: 4**

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PHS110 Fundamentals of Physical Science (4) OR  
PHY101 Introduction to Physics (4) 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 22, 2019

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## Nurse Assisting

|  |  |
|--|--|
| Major: <b>5963N</b>  | Initiating College: <b>Gateway Community College</b> |
| First Term: <b>2021 Spring</b>   | Program Availability: <b>EM, GC, GW, MC, PV</b>      |
| Final Term: <b>Current</b>   | Field of Interest: <b>Health Sciences</b>            |
| Award: <b>CCL</b>  | Instructional Council: <b>Nursing Program (42)</b>   |
| Total Credits: <b>2-4.5</b>  | GPA: <b>2.00</b>                                     |
| CIP Code: <b>51.3902</b>   |  |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career as:</b> |  |
| <b>31-1131.00 Nursing Assistants</b>   |  |

**Description:** The Certificate of Completion (CCL) in Nurse Assisting prepares students for employment as a nurse assistant. The program combines classroom instruction with clinical laboratory practice and long-term care and/or acute care experiences. Students who complete the program are eligible to take a written and practical certification examination if desired to meet employment requirements to be a nurse assistant. Certification/licensing requirements are the exclusive responsibility of the Arizona State Board of Nursing.

The MCCCD Nurse Assisting program is approved by the Arizona State Board of Nursing.

### Waiver of Licensure/Certification Guarantee:

Admission or completion from the MCCCD Nurse Assisting program does not guarantee obtaining a license or certificate to practice as a nurse assistant. Licensure and certification requirements and the subsequent procedures are the exclusive right and responsibility of the Arizona State Board of Nursing. Students must satisfy the requirements of the Nurse Practice Act: Statutes, Rules and Regulations, independently of any college or school requirements for graduation.

Pursuant to A.R.S. §32-1606(B)(17), an applicant for professional or practical nurse license by examination is not eligible for licensure if the applicant has any felony convictions and has not received an absolute discharge from the sentences for all felony convictions. The absolute discharge must be received five or more years before submitting this application. If you cannot prove that the absolute discharge date is five or more years, the Board cannot process your application.

All nurse assistant applicants for certification will be fingerprinted to permit the Department of Public Safety to obtain state and federal criminal history information. All applicants with a positive history are investigated. If there is any question about eligibility for licensure or certification, contact the nursing education consultant at the Arizona State Board of Nursing (602-899-5150).

### Health Declaration:

It is essential that students be able to perform a number of physical activities in the clinical portion of the program. At a minimum, students will be required to lift patients, stand for several hours at a time and perform bending activities. The clinical nursing experience also places students under considerable mental and emotional stress as they undertake responsibilities and duties impacting patients' lives. Students must be able to demonstrate rational and appropriate behavior under stressful conditions. Individuals should give careful consideration to the mental and physical demands of the program prior

Individuals should give careful consideration to the mental and physical demands of the program prior to making application.

#### Health and Safety Requirements for MCCCD Nurse Assisting Program:

1. Students must meet and maintain health and safety requirements throughout the program.
2. Admission to a Maricopa County Community College District health program requires that students be in compliance with the MCCCD Supplemental Background Check Policy. Evidence of a current Arizona Department of Public Safety Level One Fingerprint Clearance Card is required for program application.
3. Negative urine drug screen.

#### Grade Requirements:

Student must obtain a C grade or better in all courses.

#### University Transfer Students:

For students planning a university program:

Students who are planning to earn the Bachelor of Science in Nursing may obtain their prerequisite courses at Maricopa Community Colleges. For information on courses that meet requirements for admission into a baccalaureate program, please contact a program advisor.

#### THE NURSE ASSISTING PATHWAY

The nurse assisting pathway is designed to prepare students to complete the Nurse Assistant certification/licensure through the Arizona State Board of Nursing to practice in a health care agency as a nurse assistant. Completion of the Nurse Assistant program of study provides job ready skills as a nurse assistant.

#### Program Notes:

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

**Admission Criteria:** Application and acceptance into the program, high school graduate or GED, and meet current health and safety course requirements.

#### Program Prerequisites: None

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#### Required Courses

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+ NUR158 Nurse Assisting (4.5) OR

Advanced Placement course:

+ NCE150 Advanced Placement: Nurse Assisting (2) 2-4.5

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**Credits: 2-4.5**

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#### Learning Outcomes

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1. Safely perform nurse assisting skills to meet the needs of diverse populations. (NCE150, NUR158)
2. Perform therapeutic maintenance and preventative interventions to provide holistic nurse assistant care. (NCE150, NUR158)
3. Demonstrate effective communication skills while fostering mutual respect and shared decision making with patients, families and colleagues. (NCE150, NUR158)
4. Integrate technology to provide safe quality care and improve patient outcomes. (NCE150, NUR158)
5. Manage information confidentially, ethically, and effectively. (NCE150, NUR158)
6. Function effectively in the role and within the scope of the nurse assistant. (NCE150, NUR158)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 8, 2020

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HEALTH SCIENCES



## Nursing

|                                |   |
|--------------------------------|---|
| Major: <b>3812</b>             | Primary College: <b>Scottsdale Community College</b>        |
| First Term: <b>2022 Spring</b> | Program Availability: <b>CG, EM, GC, GW, MC, PC, PV, SC</b> |
| Final Term: <b>Current</b>     | Field of Interest: <b>Health Sciences</b>                   |

|                             |  |
|-----------------------------|--|
| Award: <b>AAS</b>           | Instructional Council: <b>Nursing (42)</b> |
| Total Credits: <b>62-75</b> | GPA: <b>2.00</b>                           |
| CIP Code: <b>51.3801</b>    |  |

SOC Code: **Upon completion of this degree, students may pursue a career as:  
29-1141.00 Registered Nurses**

**Description:** The Associate in Applied Science (AAS) in Nursing Program is available at eight of the Maricopa Community Colleges. Clinical experiences are provided in a variety of healthcare settings. Nursing Program graduates are eligible to apply for the national exam for the registered nurse license. Licensing requirements are the exclusive responsibility of the State Board of Nursing.

The Associate in Applied Science (AAS) Nursing Program is approved by the Arizona State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326; (404.975.5000); email: [info@acennursing.org](mailto:info@acennursing.org).

### Program offerings:

This program is offered at the following sites:

- Chandler-Gilbert Community College
- Estrella Mountain Community College
- GateWay Community College
- Glendale Community College
- Mesa Community College
- Paradise Valley Community College
- Phoenix College
- Scottsdale Community College

### Waiver of Licensure/Certification Guarantee:

Admission or graduation from the Nursing Program does not guarantee obtaining a license to practice nursing. Licensure requirements and the subsequent procedures are the exclusive right and responsibility of the Arizona State Board of Nursing. Students must satisfy the requirements of the Nurse Practice Act: Statutes, Rules and Regulations, independently of any college or school requirements for graduation.

Pursuant to A.R.S. 32-1606(B)(17), an applicant for professional or practical nurse license by examination is not eligible for licensure if the applicant has any felony convictions and has not received an absolute discharge from the sentences for all felony convictions. The absolute discharge must be received five or more years before submitting this application. If you cannot prove that the absolute discharge date is five or more years, the Board cannot process your application.

Level One Fingerprint Clearance is required for admission into the program. Applicants must present a

Level One Fingerprint Clearance Card to be copied by the advisor or designee. For a Department of Public Safety Fingerprint Clearance Card application, contact MCCCD Healthcare/Nursing Advisor. If there is any question about eligibility for licensure or certification, contact the nursing education consultant at the Arizona State Board of Nursing (602.771.7800).

#### Health Declaration:

It is essential that nursing students be able to perform a number of physical activities in the clinical portion of the program. At a minimum, students will be required to lift patients, stand for several hours at a time and perform bending activities. Students who have a chronic illness or condition must be maintained on current treatment and be able to implement direct patient care. The clinical nursing experience also places students under considerable mental and emotional stress as they undertake responsibilities and duties impacting patients' lives. Students must be able to demonstrate rational and appropriate behavior under stressful conditions. Individuals should give careful consideration to the mental and physical demands of the program prior to making application. All must provide documentation of compliance with all health and safety requirements required to protect patient safety. Only students in compliance are permitted to enroll in nursing courses. Students will meet these requirements by providing the required documentation for the Health/Safety Requirements Documentation Checklist and the signed Health Declaration Form.

#### Health and Safety Requirements for the Maricopa Nursing Program:

1. Students must submit a Health and Safety Documentation Checklist verifying completion of all requirements and maintain current status throughout the program.
2. Students must submit the Health Declaration Form signed by a licensed health care provider.
3. Students must test negative on a timed urine drug screen.
4. Admission to an Allied Health program requires that students be in compliance with the Maricopa County Community College District Supplemental Background Check policy. Program applications will not be accepted without a copy of an Arizona Department of Public Safety Level One Fingerprint Clearance Card. Upon conditional program admission, the student must comply with all requirements of the current MCCCD background check policy.

#### University Transfer Students:

Students who are planning to earn the Bachelor of Science in Nursing may obtain their prerequisite courses at the Maricopa Community Colleges. For information on courses that meet requirements for admission into a baccalaureate program, please contact a program advisor.

#### REGISTERED NURSE PATHWAY

##### Associate in Applied Science Degree in Nursing Program

The Associate in Applied Science (AAS) degree in Nursing graduate is eligible to apply for licensure as a Registered Nurse (RN). The RN is educated as a generalist who delivers health care to clients and family groups and has competencies related to the art and science of nursing. The RN may be employed in a variety of acute, long term, and community-based healthcare settings. The AAS degree in Nursing provides the graduate with an educational foundation for articulation into the university setting.

#### Program Notes:

Students must earn a grade of C or better in all courses required within the program.

#### Course Fee Information:

Please see class schedule for information regarding course fees.

Maricopa Nursing is aligned with Nurse of the Future Competencies: Patient-Centered Care, Professionalism, Leadership, Systems-Based Practice, Informatics and Technology, Communication, Teamwork and Collaboration, Safety, Quality Improvement, and Evidence-Based Practice. These competencies focus on key stakeholders of healthcare clients, colleagues and communities. Demonstration of the competencies will signify preparation for successful transition into nursing practice and further professional development.



**Admission Criteria:** High school diploma or GED is required for the Associate in Applied Science degree in Nursing. Applicants must signify that they meet this requirement by providing high school diploma/transcripts or GED completion OR by signing the nursing application page containing the 'Declaration of High School Graduation or GED completion.' In some instances, high school diploma/transcripts or proof of GED completion may be required.

Formal application and admission to the program is required; all program prerequisites must be completed prior to submission of application. A passing score on a nursing program admission test is required to complete an application. Successful completion of a nurse assistant course (NCE150 or NUR158 or equivalent as determined by the Nursing Director or designee) or current active AZ certification or licensure as a Nurse Assistant in good standing is required to complete an application.

Applicants for Advanced Placement must receive a passing score on a practical nursing content exam for placement into Block 3. The final placement decision rests with the Nursing Program Chair at the college to which the student is accepted.

The Nursing Program Chair reserves the right to deny acceptance of an admission application if the applicant was previously dismissed for issues relating to academic integrity, unsafe patient care, and/or two (2) or more failures from any nursing program.

All applicants holding or receiving a certificate or license as a Nursing Assistant and/or license as a Practical Nurse must remain in good standing with the Regulatory Board. Once enrolled, students receiving any disciplinary actions against their certificate or license must notify the Nursing Program Chair within five (5) school days. The Nursing Program Chair reserves the right to restrict the student's participation in clinical experiences and involvement in patient care until the certificate and/or license is valid and unrestricted.

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### Program Prerequisites

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The credit-hour range is subject to change depending on the student's educational experience.

**Credits:  
10-20**

+ BIO156 Introductory Biology for Allied Health (4) OR

+ BIO181 General Biology (Majors) I (4) OR

One year of high school biology 0-4

+ BIO201 Human Anatomy and Physiology I 4

+ CHM130 Fundamental Chemistry (3) AND

+ CHM130LL Fundamental Chemistry Laboratory (1) OR

+ CHM130AA Fundamental Chemistry with Lab (4) OR

One year of high school chemistry 0-4

+ ENG101 First-Year Composition (3) OR

+ ENG107 First-Year Composition for ESL (3) 3

+ MAT140 College Mathematics (5) OR

+ MAT141 College Mathematics (4) OR

+ MAT142 College Mathematics (3) OR

Satisfactory completion of higher level math course 3-5

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### Required Courses

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+ NUR152 Nursing Theory and Science I 9

**Credits: 36**

- + NUR172 Nursing Theory and Science II 9
- + NUR252 Nursing Theory and Science III 9
- + NUR283 Nursing Theory and Science IV 9

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### General Education Requirements

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#### General Education Requirement

**Credits: 16-19**

#### General Education Core

**Credits: 3-6**

#### First-Year Composition

**Credits: 3**

Three (3) credits of First Year Composition are met by ENG101 or ENG107 in Program Prerequisites area.

- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3)

#### Oral Communication

**Credits: 0**

Waived

#### Critical Reading

**Credits: 0-3**

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
Equivalent as indicated by assessment

#### Mathematics

**Credits: 0**

Met by MAT140 OR MAT141 OR MAT142 OR Satisfactory completion of higher level mathematics course in Program Prerequisites area.

#### General Education Distribution

**Credits: 13**

#### Humanities, Arts and Design

**Credits: 2**

Any approved general education course in the Humanities, Arts and Design area.

#### Social-Behavioral Sciences

**Credits: 3**

PSY101 Introduction to Psychology 3

#### Natural Sciences

**Credits: 8**

+ BIO202 Human Anatomy and Physiology II (4) AND

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**+ BIO205 Microbiology (4)**

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**Program Competencies**

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1. Provide advocacy and individualized care for diverse populations. (NUR152, NUR172, NUR252, NUR283)
2. Demonstrate accountability for legal and ethical behaviors that reflect standards of professional nursing practice. (NUR152, NUR172, NUR252, NUR283)
3. Coordinate nursing care for multiple patients in collaboration with health team members for the acquisition/achievement of shared outcomes. (NUR152, NUR172, NUR252, NUR283)
4. Discuss healthcare micro and macro systems and their impact on patient care. (NUR152, NUR172, NUR252, NUR283)
5. Integrate technology to provide safe quality care and improve patient outcomes, managing information confidentially and effectively. (NUR152, NUR172, NUR252, NUR283)
6. Demonstrate effective communication skills while fostering mutual respect and shared decision making with patients, families and colleagues. (NUR152, NUR172, NUR252, NUR283)
7. Function effectively within interdisciplinary teams fostering open communication, shared decision-making and team development. (NUR152, NUR172, NUR252, NUR283)
8. Provide safe, quality care while minimizing risk of harm to patients and providers. (NUR152, NUR172, NUR252, NUR283)
9. Demonstrate accountability for quality improvement of personal performance, patient care and health care systems. (NUR152, NUR172, NUR252, NUR283)
10. Utilize evidence-based practice to meet individualized needs across the health care continuum. (NUR152, NUR172, NUR252, NUR283)

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: April 27, 2021

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### Organizational Leadership

Major: **5731** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG EM GC GW MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (3)**  
 Total Credits: **18** GPA: **2.0**  
 CIP Code: **52.0213**

SOC Code: **Upon completion of this certificate, students may pursue a career as:  
 11-1021.00 General and Operations Manager**

**Description:** The Certificate of Completion (CCL) in Organizational Leadership is designed to prepare students with knowledge and skills needed in today's changing workplace. The program provides leadership and communication skills and techniques for planning, organizing, leading and controlling business situations. This program also emphasizes procedures for effective resource allocation. The CCL in Organizational Leadership is fully embedded in an Associate in Applied Science (AAS) in Organizational Management.

### Learning Outcomes

1. Create and use effective oral, written, and visual business communication skills. (GBS120)
2. Critically evaluate the alternatives faced in business decision making to select the most effective and efficient solution. (GBS110, GBS151, MGT101, MGT175, MGT229, MGT251, TQM240)
3. Recognize ethical, legal, and global dimensions in business practice and how business integrates social responsibility into operations/decision making. (BPC110, CIS105, GBS110, GBS151, MGT101, MGT175, MGT229, MGT251, TQM240)
4. Research, locate, and evaluate business information in order to support evidence-based decisions. (BPC110, CIS105, GBS110, GBS120, GBS151, GBS233, MGT101, MGT175, MGT229, MGT251, TQM240)
5. Use team collaboration to solve business problems. (BPC110, CIS105, GBS110, GBS151, MGT101, MGT229, MGT251)
6. Apply current technology to specific business tasks. (BPC110, CIS105)
7. Describe and evaluate organizational structures and the functions of planning, organizing, leading, and controlling in a business setting. (GBS151, MGT175, MGT101, MGT229, TQM240)

### Program Notes

Students must earn a grade of C or better in all courses within the program.  
 + indicates course has prerequisites and/or corequisites.

**Program Prerequisites: None**

### Required Courses

**Credits: 18**

BPC110 Computer Usage and Applications (3) OR  
CIS105 Survey of Computer Information Systems (3) 3

GBS110 Human Relations in Business and Industry (3) OR  
MGT251 Human Relations in Business (3) 3

GBS120 Workplace Communication Skills 3  
GBS151 Introduction to Business 3

MGT175 Business Organization and Management (3) OR  
TQM240 Project Management in Quality Organizations (3) 3

MGT101 Techniques of Supervision (3) OR  
MGT229 Management and Leadership I (3) 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: April 23, 2019

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## Organizational Management

Major: **3727** Initiating College: **Estrella Mountain Community College**  
 First Term: **2019 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, PV, RS, SC, SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Business/Management (03)**  
 Total Credits: **60-65** GPA: **2.0**  
 CIP Code: **52.1003**

SOC Code: **Upon completion of this degree, students may pursue a career as:**  
**11-1021.00 General and operations manager**

**Description:** The Associate in Applied Science (AAS) in Organizational Management program is designed with a customized curriculum specific to the student's individual needs in addition to the knowledge and skills needed in today's changing workplace. The program provides leadership and communication skills and techniques for planning, organizing, leading and controlling business situations. This program also emphasizes procedures for effective resource allocation. A Certificate of Completion (CCL) in Organizational Leadership is fully embedded in this AAS.

### Learning Outcomes

1. Create and use effective oral, written, and visual business communication skills. (GBS120, (COM), (CRE), [FYC], [HU])
2. Critically evaluate the alternatives faced in business decision making to select the most effective and efficient solution. (GBS110, GBS151, MGT101, MGT175, MGT229, MGT251, TQM240, (CRE), [MA], [SG], [SQ])
3. Recognize ethical, legal, and global dimensions in business practice and how business integrates social responsibility into operations/decision making. (BPC110, CIS105, GBS110, GBS151, MGT101, MGT175, MGT229, MGT251, TQM240, [SB])
4. Research, locate, and evaluate business information in order to support evidence-based decisions. (BPC110, CIS105, GBS110, GBS120, GBS151, MGT101, MGT175, MGT229, MGT251, TQM240, [FYC], [SB])
5. Use team collaboration to solve business problems. (BPC110, CIS105, GBS110, GBS151, MGT101, MGT229, MGT251, (COM), [HU])
6. Apply current technology to specific business tasks. (BPC110, CIS105)
7. Evaluate organizational structures and the functions of planning, organizing, leading, and controlling in a business setting. (GBS151, MGT175, MGT101, MGT229, TQM240)

### Program Notes

Students must earn a grade of C or better for all courses required within the program.  
 + indicates course has prerequisites and/or corequisite

**Program Prerequisites: None**

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**Required Courses**

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Certificate of Completion in Organizational Leadership (5731) - Requirements listed below

**Credits:  
18**

BPC110 Computer Usage and Applications (3) OR  
CIS105 Survey of Computer Information Systems (3) 3

GBS110 Human Relations in Business and Industry (3) OR  
MGT251 Human Relations in Business (3) 3

GBS120 Workplace Communication Skills 3  
GBS151 Introduction to Business 3

MGT175 Business Organization and Management (3) OR  
TQM240 Project Management in Quality Organizations (3) 3

MGT101 Techniques of Supervision (3) OR  
MGT229 Management and Leadership I (3) 3

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**Restricted Electives**

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Students must choose 20 industry/job related course credits from any MCCCD occupational program and/or Academic Certificate.

**Credits:  
20**

Industry/job related course credits must include a minimum of 9 credits with a common subject or theme. Program of study must be approved by the business department chair or designee.

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**General Education Requirements**

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**General Education Requirement**

**Credits: 22-27**

**General Education Core**

**Credits: 12-17**

**First-Year Composition**

**Credits: 6**

+ ENG101 First-Year Composition (3) OR  
+ ENG107 First-Year Composition for ESL (3) AND  
+ ENG102 First-Year Composition (3) OR  
+ ENG108 First-Year Composition for ESL (3) 6

**Oral Communication**

**Credits: 3**

Any approved general education course from the Oral Communication area.

**Critical Reading****Credits: 0-3**

+ CRE101 College Critical Reading and Critical Thinking (3) OR  
Equivalent by assessment 0-3

**Mathematics****Credits: 3-5**

Any approved general education course from the Mathematics [MA] area. 3-5

**General Education Distribution****Credits: 10****Humanities, Arts and Design****Credits: 3**

Any approved general education course from the Humanities, Arts and Design area. 3

**Social-Behavioral Sciences****Credits: 3**

Any approved general education course from the Social-Behavioral Sciences [SB] area. 3

**Natural Sciences****Credits: 4**

Any approved general education course in the Natural Sciences (Quantitative) [SQ] area or the  
Natural Sciences (General) [SG] area. 4

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: April 23, 2019

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## Power Systems Technology

Major: **3003**  
 First Term: **2020 Fall**  
 Final Term: **Current**  
 Initiating College: **Estrella Mountain Community College**  
 Program Availability: **College Specific**  
 Field of Interest: **Applied Technology**

Award: **AAS**  
 Total Credits: **60-70**  
 CIP Code: **47.0303**  
 Instructional Council: **Occupational Administrators (53)**  
 GPA: **2.0**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**17-3024.00 Electro-Mechanical Technicians**  
**49-2094.00 Electrical and Electronics Repairers, Commercial and Industrial Equipment**  
**49-9041.00 Industrial Machinery Mechanics**  
**49-9043.00 Maintenance Workers, Machinery**  
**49-9071.00 Maintenance and Repair Workers General**  
**49-9098.00 Helpers--Installation, Maintenance, and Repair Workers**  
**51-8013.00 Power Plant Operators**

**Description:** The Associate in Applied Science (AAS) in Power Systems Technology program is designed to provide trade-related classroom training, including skills in the repair and maintenance of industrial machinery and equipment related to the power generation industry. The program consists of a core curriculum that is common to all power plant disciplines. The student selects a track of study - using a stackable Certificate of Completion in the areas of mechanical, electrical, or industrial technology - to complete specialized craft-related training.

### Program Competencies

1. Demonstrate the fundamentals of workplace safety and accident prevention related to the repair and maintenance of mechanical, electrical, and other industrial machinery and equipment per the Occupational Safety and Health Administration (OSHA). (ELC119, ELC217, ELC218, MIT112, MIT113, MIT120, MIT121, MIT122, MIT133, PPT120, PPT121, PPT124, PPT126, PPT128, PPT250, CRE101, [SB])
2. Apply mathematical concepts of algebra, geometry, and trigonometry to the industrial setting. (ELC119, ELC210, GTC107, GTC108, MIT120, MIT121, MIT133, MIT134, [MA], PPT250, CRE101, [SG], [SQ])
3. Apply the appropriate mechanical and/or electrical fundamental concepts and tools for repair and maintenance of power generation specific machinery and equipment. (ELC119, ELC120, ELC210, ELC217, ELC218, MIT133, PPT121, PPT124, PPT126, PPT128, PPT242, CRE101, [SG], [SQ])
4. Explain systems, components, and functions related to operations within a power generation station. (ELC210, MIT124, PPT121, PPT124, PPT126, PPT128, PPT202, PPT203, PPT221, PPT222, PPT242, PPT255, CRE101, [SG], [SQ])
5. Apply the knowledge of electro-mechanical components to power generation and distribution. (ELC210, MIT123, PPT120, PPT121, PPT124, PPT126, PPT128, PPT202, PPT203, PPT210, PPT213, PPT242, PPT255, CRE101, [SG], [SQ])
6. Apply the knowledge of fluid-control components to the operation of power plants or other industries. (MIT112, MIT113, MIT122, MIT123, MIT124, PPT121, PPT124, PPT126, PPT128,

- PPT202, PPT203, PPT210, PPT213, PPT221, PPT222, PPT242, PPT255, CRE101, [SG], [SQ]
7. Evaluate blueprints, diagrams and schematics to analyze and troubleshoot the operation of machinery and equipment. (ELC119, ELC120, ELC210, ELC217, ELC218, MIT120, MIT133, MIT134, PPT121, PPT124, PPT126, PPT128, PPT202, PPT203, PPT210, PPT213, PPT242, CRE101, [SG], [SQ])
8. Effectively communicate and work within a diverse team structure. (ELC217, ELC218, MIT120, PPT120, PPT121, PPT124, PPT126, PPT128, PPT202, PPT203, PPT210, PPT213, PPT270AA, PPT270AB, PPT270AC, (COM), CRE101, [FYC], [HU], [SB])
9. Demonstrate professionalism with conduct, ethics, and work practices. (ELC217, ELC218, MIT112, MIT113, MIT120, PPT120, PPT121, PPT124, PPT126, PPT128, PPT202, PPT203, PPT210, PPT213, PPT270AA, PPT270AB, PPT270AC, CRE101, (COM), [FYC], [HU], [SB])

### Program Notes

Students must earn a grade of C or better in all courses within the program.

Students who wish to obtain the Nuclear Uniform Curriculum Program (NUCP) industry certificate may be required to meet additional standards. Please contact the Division or Program Director for more information.

### Program Prerequisites: None

### Required Courses

GTC107 Technical Mathematics I (3) AND  
 + GTC108 Technical Mathematics II (3) OR  
 + MAT15+ or any higher level math for which college algebra is a  
 prerequisite (3-6) 3-6

**Credits: 33-  
39**

Note: MAT15+ recommended for students seeking university transfer

PPT120 Energy Industry Fundamentals 3  
 PPT121 Power Plant Components 3  
 + PPT202 Power Plant Systems I 3  
 + PPT203 Power Plant Systems II 3

And, students must also choose from one (1) of the following Certificates of Completion:

Certificate of Completion in Mechanical Systems Technology (5846) (18)  
 MIT120 Industrial Technology Fundamentals 3  
 PPT124 Power Systems Components I 3  
 PPT126 Power Systems Components II 3  
 PPT128 Power Systems Components III 3  
 PPT210 Valve Maintenance II 3  
 PPT213 Pumps II 3

OR

Certificate of Completion in Electrical Systems Technology (5844) (20)  
 ELC119 Concepts of Electricity and Electronics 3  
 ELC120 Solid State Fundamentals 3

**ELC 120 Solid State Fundamentals 3**

- + ELC210 AC Machinery and DC Machinery 3
- + ELC217 Motor Controls 3
- + ELC218 Variable Frequency Drives 3
- MIT120 Industrial Technology Fundamentals 3
- PPT242 Components for Maintenance Technicians 2

OR

- Certificate of Completion in Energy and Industrial Technology (5920N) (21)  
This is a closed certificate for West-MEC Dual Enrollment Students only
- MIT120 Industrial Technology Fundamentals (3)
- + MIT121 Industrial Technology I-A (3)
- + MIT122 Industrial Technology I-B (3)
- + MIT123 Industrial Mechanical Technology II-A (3)
- + MIT124 Industrial Mechanical Technology II-B (3)
- + MIT133 Industrial Electrical and Instrumentation Technology II-A (3)
- + MIT134 Industrial Electrical and Instrumentation Technology II-B (3)
- PPT120 Energy Industry Fundamentals (Met in Required Courses Above)  
(0) 21

**Restricted Electives**

Students must choose six (6) to nine (9) credits for a minimum of 60 total credits from the following. Contact an academic program advisor or Energy Institute faculty member for recommendations:

**Credits:  
6-9**

- MIT112 Natural Gas Pipeline Operations 3
- MIT113 Natural Gas Pipe Joiner 3
- + PPT221 Reactor Theory 3
- + PPT222 Reactor Plant Chemistry and Materials 3
- + PPT250 Power Plant Position Preparation 2
- PPT255 Fossil Systems 3
- + PPT270AA Power Systems Technology Internship 1
- + PPT270AB Power Systems Technology Internship 2
- + PPT270AC Power Systems Technology Internship 3

**General Education Requirements**

**General Education Requirement**

**Credits: 19-22**

**General Education Core**

**Credits: 9-12**

**First-Year Composition**

**Credits: 6**

- ENG101 First-Year Composition (3) OR
- ENG107 First-Year Composition for ESL (3) AND
- ENG102 First-Year Composition (3) OR
- ENG108 First-Year Composition for ESL (3)

**Oral Communication****Credits: 3**

Any approved general education course in the Oral Communication area. 3

Recommend:

COM100 Introduction to Human Communication (3) OR

COM230 Small Group Communication (3) 3

**Critical Reading****Credits: 0-3**

CRE101 College Critical Reading and Critical Thinking (3) OR

Equivalent as indicated by assessment. 0-3

**Mathematics****Credits: 0**

Met by Courses in Required Area.

+ GTC108 Technical Mathematics II (3) OR

+ MAT15+ or any higher level math for which college algebra is a prerequisite (0-6) 0

**General Education Distribution****Credits: 10****Humanities, Arts and Design****Credits: 3**

Any approved general education course from the Humanities, Arts and Design area.

**Social-Behavioral Sciences****Credits: 3**

Any approved general education course from the Social-Behavioral Sciences area.

**Natural Sciences****Credits: 4**

Any approved general education course from the Natural Science area. 4

Recommend: BIO+++ Any BIO Biology course, CHM+++ Any Chemistry course, or PHY+++ Any Physics course.

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 22, 2019

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## Practical Nursing

|                                |  |
|--------------------------------|--|
| Major: <b>5957</b>             | Primary College: <b>Scottsdale Community College</b> |
| First Term: <b>2021 Spring</b> | Program Availability: <b>CG EM GC GW MC PC PV SC</b> |
| Final Term: <b>Current</b>     | Field of Interest: <b>Health Sciences</b>            |
| Award: <b>CCL</b>              | Instructional Council: <b>Nursing Program (42)</b>   |
| Total Credits: <b>35-45</b>    | GPA: <b>2.00</b>                                     |
| CIP Code: <b>51.3901</b>       |  |
| SOC Code: <b>29-2061.00</b>    |  |

**Description:** The Certificate of Completion (CCL) in Practical Nursing Program is available at seven of the Maricopa Community Colleges. Clinical experiences are provided in a variety of healthcare settings. Practical Nursing Program graduates are eligible to apply for the national exam for the practical nurse license. Licensing requirements are the exclusive responsibility of the State Board of Nursing.

The Certificate of Completion Practical Nursing Program is approved by the Arizona State Board of Nursing.

Program offerings:

This program is offered at the following sites:

Chandler Gilbert Community College  
 Estrella Mountain Community College  
 GateWay Community College  
 Glendale Community College  
 Mesa Community College  
 Paradise Valley Community College  
 Phoenix College  
 Scottsdale Community College

Waiver of Licensure/Certification Guarantee:

Admission or graduation from the Nursing Program does not guarantee obtaining a license to practice nursing. Licensure requirements and the subsequent procedures are the exclusive right and responsibility of the Arizona State Board of Nursing. Students must satisfy the requirements of the Nurse Practice Act: Statutes, Rules and Regulations, independently of any college or school requirements for graduation.

Pursuant to A.R.S. 32-1606(B)(17), an applicant for professional or practical nurse license by examination is not eligible for licensure if the applicant has any felony convictions and has not received an absolute discharge from the sentences for all felony convictions. The absolute discharge must be received five or more years before submitting this application. If you cannot prove that the absolute discharge date is five or more years, the Board cannot process your application.

Level One Fingerprint Clearance is required for admission into the program. Applicants must present a Level One Fingerprint Clearance Card to be copied by the advisor or designee. For a Department of Public Safety Fingerprint Clearance Card application, contact MCCCD Healthcare/Nursing Advisor. If

there is any question about eligibility for licensure or certification, contact the nursing education consultant at the Arizona State Board of Nursing (602.771.7800).

#### Health Declaration:

It is essential that nursing students be able to perform a number of physical activities in the clinical portion of the program. At a minimum, students will be required to lift patients, stand for several hours at a time and perform bending activities. Students who have a chronic illness or condition must be maintained on current treatment and be able to implement direct patient care. The clinical nursing experience also places students under considerable mental and emotional stress as they undertake responsibilities and duties impacting patients' lives. Students must be able to demonstrate rational and appropriate behavior under stressful conditions. Individuals should give careful consideration to the mental and physical demands of the program prior to making application. All must provide documentation of compliance with all health and safety requirements required to protect patient safety. Only students in compliance are permitted to enroll in nursing courses. Students will meet these requirements by providing the required documentation for the Health/Safety Requirements Documentation Checklist and the signed Health Declaration Form.

#### Health and Safety Requirements for the Nursing Program:

1. Students must submit a Health and Safety Documentation Checklist verifying completion of all requirements and maintain current status throughout the program.
2. Students must submit the Health Declaration Form signed by a licensed health care provider.
3. Students must test negative on a timed urine drug screen.
4. Admission to an Allied Health program requires that students be in compliance with the Maricopa County Community College District Supplemental Background Check policy. Program applications will not be accepted without a copy of an Arizona Department of Public Safety Level One Fingerprint Clearance Card. Upon conditional program admission, the student must comply with all requirements of the current MCCCD background check policy.

#### University Transfer Students:

Students who are planning to earn the Bachelor of Science in Nursing may obtain their prerequisite courses at the Maricopa Community Colleges. For information on courses that meet requirements for admission into a baccalaureate program, please contact a program advisor.

#### PRACTICAL NURSE EXIT OPTION

Following completion of the practical nurse level program of study, the student is eligible to apply for licensure as a practical nurse. Licensed Practical Nurses (LPN) may be employed in acute, long-term, and community-based health care settings under the direction of a registered nurse. Practical Nurses function within their legal scope of practice and use professional standards of care in illness care and health promotion activities for clients and families across the life span.

The Associate in Applied Science (AAS) Nursing Program is approved by the Arizona State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326; (404.975.5000); email: [info@acennursing.org](mailto:info@acennursing.org).

#### [Suggested Course Plan Sequenced by Semester](#)

#### **Program Notes:**

Students must earn a grade of C or better in all courses within the program.

#### Course Fee Information:

Please see class schedule for information regarding course fees.

MaricopaNursing is aligned with Nurse of the Future Competencies: Patient-Centered Care, Professionalism, Leadership, Systems-Based Practice, Informatics and Technology, Communication, Teamwork and Collaboration, Safety, Quality Improvement, and Evidence-Based Practice. These competencies focus on key stakeholders of healthcare clients, colleagues and communities.

Demonstration of the competencies will signify preparation for successful transition into nursing practice and further professional development.

**Admission Criteria:** High School diploma or GED is required for the Certificate of Completion in Practical Nursing. Applicants must signify that they meet this requirement by providing high school diploma/transcripts or GED completion OR by signing the nursing application page containing the `Declaration of High School Graduation or GED completion`. In some instances, high school diploma/transcripts or proof of GED completion may be required.

Formal application and admission to the program is required; all program prerequisites must be completed prior to submission.

A passing score on a nursing program admission test is required to complete an application.

The Nursing Program Chair reserves the right to deny acceptance of an admission application if the applicant was previously dismissed for issues relating to academic integrity, unsafe patient care, and/or two (2) or more failures from any nursing program.

All applicants holding or receiving a certificate as a Nursing Assistant and/or license as a Practical Nurse must remain in good standing with the Board of Nursing. Once enrolled, students receiving any disciplinary actions against their certificate or license must notify the Nursing Program Chair within five (5) school days. The Nursing Program Chair reserves the right to restrict the student's participation in clinical experiences and involvement in patient care until the certificate and/or license is valid and unrestricted.

### Program Prerequisites

The credit-hour range is subject to change depending on the student's educational experience.

**Credits:  
10-20**

+ BIO156 Introductory Biology for Allied Health (4) OR  
+ BIO181 General Biology (Majors) I (4) OR  
One year of high school biology 0-4

+ BIO201 Human Anatomy and Physiology I 4

+ CHM130 Fundamental Chemistry (3) AND  
+ CHM130LL Fundamental Chemistry Laboratory (1) OR  
+ CHM130AA Fundamental Chemistry with Lab (4) OR  
One year of high school chemistry 0-4

+ ENG101 First-Year Composition (3) OR  
+ ENG107 First-Year Composition for ESL (3) 3

+ MAT140 College Mathematics (5) OR  
+ MAT141 College Mathematics (4) OR  
+ MAT142 College Mathematics (3) OR  
Satisfactory completion of higher level mathematics course 3-5

Students that are admitted into the MaricopaNursing Program for Fall 2015 and Spring 2016, AND completed MAT120, MAT121, or MAT122 prior to Fall 2015 as an admission requirement, may complete the program without completing MAT140, MAT141, or MAT142 as a graduation requirement, by waiver of the program director.

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### Required Courses

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- + BIO202 Human Anatomy and Physiology II 4
- + NUR152 Nursing Theory and Science I 9
- + NUR172 Nursing Theory and Science II 9
- + NUR191 Practical Nursing Transition 3

**Credits: 25**

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### Program Competencies

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1. Define the most frequently used medical, diagnostic, clinical procedure, surgical, drug, laboratory, and pathological terms related to the human body. (BIO202)
2. Create an environment utilizing therapeutic communication and caring to achieve desired client outcomes. (NUR152, NUR172, NUR191)
3. Demonstrate effective communication skills both verbally, behaviorally, and in writing with health team members, clients and their families. (NUR152, NUR172, NUR191)
4. Provide culturally competent care to a diverse population. (NUR152, NUR172, NUR191)
5. Demonstrate legal and ethical behaviors in all nursing activities. (NUR152, NUR172, NUR191)
6. Apply the nursing process to provide safe client care. (NUR152, NUR172, NUR191)
7. Apply scientific principles and clinical reasoning to safely provide evidence-based clinically competent care within the current healthcare environment. (NUR152, NUR172, NUR191)
8. Demonstrate accountability for quality improvement in the health care system. (NUR152, NUR172, NUR191)
9. Integrate technology to assist in providing safe, effective client care. (NUR152, NUR172, NUR191)
10. Manage information confidentially and effectively to ensure positive client outcomes. (NUR152, NUR172, NUR191)
11. Provide nursing care individuals and families across the lifespan that addresses the needs of diverse clients by engaging them in their healthcare decisions. (NUR191)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 20, 2018

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## Programming

|   |   |
|---|---|
| Major: <b>5047</b>  | Initiating College: <b>Rio Salado College</b>                   |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>EM RS SM</b>                           |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>21-26</b>   | GPA: <b>2.00</b>  |
| CIP Code: <b>11.0201</b>  |   |
| SOC Code: <b>15-1131, 15-1132, 15-1133, 15-1134, 15-1152, 25-1021</b> |   |

**Description:** The Certificate of Completion (CCL) in Programming is designed to prepare the student to work in the programming field. Courses focus on programming theory, Java programming, Visual Basic programming, and web programming.

**Suggested Course Plan Sequenced by Semester:** [RS](#), EM, SM

### Program Notes:

Students must earn a grade of C or better in all courses within the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [AAS/3097 Information Technology: Network and Cyber](#)

## Program Prerequisites

|   |                         |
|---|-------------------------|
| <b>Students selecting CSC110 in the Required Courses area must complete MAT120 or MAT121 or MAT122.</b>   | <b>Credits:<br/>0-5</b> |
| <b>+ MAT120 Intermediate Algebra (5) OR<br/> + MAT121 Intermediate Algebra (4) OR<br/> + MAT122 Intermediate Algebra (3) OR<br/> Permission of Instructor 0-5</b> |                         |

## Required Courses

**CIS105 Survey of Computer Information Systems 3**

**Credits: 21**

**+ CIS119DO Introduction to Oracle: SQL (3) OR**

- + CIS276DA MySQL Database (3) OR
- + CIS276DB SQL Server Database (3) 3
  
- + CIS159 Visual Basic Programming I 3
- + CIS162AD C#: Level I 3
  
- + CIS163AA Java Programming: Level I (3) OR
- + CSC110 Introduction to Computer Science (Java) (3) 3
  
- + CIS225AB Object-Oriented Analysis and Design (3) OR
- + CSC205 Object Oriented Programming and Data Structures (3) 3
  
- + CIS259 Visual Basic Programming II (3) OR
- + CIS262AD C# Level II (3) OR
- + CIS263AA Java Programming: Level II (3) 3

### Program Competencies

1. Define terms related to microcomputer usage and applications. (CIS105)
2. Identify microcomputer hardware and software components. (CIS105)
3. Apply microcomputer operation skills: care and handling of diskettes, powering up the computer, keyboarding (required speed development: 25 words per minute), and powering down the computer. (CIS105)
4. Evaluate and select microcomputer hardware and software for specific applications. (CIS105)
5. Describe basic graphics, sound, process control, and other special capabilities of a microcomputer. (CIS105)
6. Use SQL programming language to interpret data in a relational database. (CIS119DO, CIS276DA, CIS276DB)
7. Describe the components and techniques of structured programming. (CIS159, CIS162AD, CIS163AA, CSC110)
8. Explain program business and structure using logic tools. (CIS159, CIS163AA, CSC110)
9. Describe advanced programming techniques. (CIS225AB, CIS259, CIS262AD, CIS263AA, CSC205)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

**MCCCD Governing Board Approval Date: November 27, 2012**

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**COMPUTER AND  
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## Programming and Systems Analysis

|  |   |
|--|---|
| Major: <b>3844</b>   | Initiating College: <b>Mesa Community College</b>               |
| First Term: <b>2021 Fall</b>   | Program Availability: <b>CG, EM, GC, MC, PC, PV, RS, SC</b>     |
| Final Term: <b>Current</b>   | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>AAS</b>  | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>61-68</b>  | GPA: <b>2.00</b>  |
| CIP Code: <b>11.0501</b>   |   |
| SOC Code: <b>Upon completion of this program, students may pursue a career as:<br/>15-1211.00 Computer Systems Analyst</b> |   |

**Description:** The Associate in Applied Science (AAS) in Programming and Systems Analysis program provides an in-depth exploration of different computer language and technical skills. The AAS includes, but is not limited to the following: operating systems, local area networks, business communication, team roles, and dynamics. Certificate of Completions (CCLs) in Programming and Systems Analysis Level I and Level II and iOS App Development are also available.

### Learning Outcomes

1. Analyze business requirements using critical thinking skills. (CIS105, CIS133DA, CIS150++, CIS151, CIS159, CIS156, CIS162++, CIS163AA, CIS165++, CIS166++, CIS225++, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS211, GBS151, CRE101, ECN211, ECN212, SBU200, CRE101, [FYC], [MA], [SG], [SQ])
2. Use computer systems and networks in a responsible and ethical manner. (CIS105, CIS190, CIS225++, CIS250, CNT140AB, GBS151, MST140++)
3. Design, develop and implement database solutions to effectively manage data. (CIS119DO, CIS276++)
4. Develop and implement well-structured computer programs that solve business problems. (CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS251, CIS259, CIS256, CIS262++, CIS263AA, CIS265, [MA])
5. Utilize the software development lifecycle for application development. (CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS225++, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, [MA])
6. Test and debug computer programs. (CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS251, CIS259, CIS256, CIS262++, CIS263AA, CIS265, [MA])
7. Leverage the functions and architecture of an operating system to achieve business objectives. (CIS105, CIS126DL, CIS126RH, CIS165++, CIS265, MST150++)
8. Communicate professionally in formal and informal situations to diverse audiences. (CIS133DA, CIS166++, CIS225++, CIS250, CIS256, GBS211, CRE101, (COM), [FYC], [HU])
9. Write effective documentation according to industry standards. (CIS133DA, CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS225++, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, CRE101, [FYC], [SG], [SQ])
10. Collaborate effectively with diverse teams. (CIS151, SBU200, CRE101, (COM), [HU])

10. Collaborate effectively with diverse teams. (GBS151, SBU200, CRE101, (COM), [PU])
11. Apply an understanding of characteristics and principles of business processes to software application development. (CIS133DA, CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS224, CIS225++, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS151, CRE101, [MA])
12. Design web-based applications using client-side and server-side scripting. (CIS133DA, CIS166++, CIS262++, CIS263AA)
13. Develop a project scope while considering factors such as customer requirements, project costs, return on investment, and internal/external business objectives. (CIS133DA, CIS150++, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS224, CIS225++, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS151, GBS211, [MA])

### Program Notes

Students must earn a grade of C or better for all courses required within the program. Consultation with an Academic Advisor is recommended for course selection. Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [AAS/3164 Computer Programming](#)

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems 3  
GBS151 Introduction to Business 3

**Credits:  
33-34**

CIS126DL Linux Operating System (3) OR  
CIS126RH Red Hat System Administration I (3) OR  
+ MST150++ Any Microsoft Windows course (3) 3

CIS133DA Internet/Web Development Level I 3

Students interested in pursuing an iOS Certificate of Completion (CCL) are recommended to take CIS150AB

+ CIS150 Programming Fundamentals (3) OR  
+ CIS150AB Object-Oriented Programming Fundamentals (3) 3

+ CIS166++ Any Web Scripting course(s) 3

+ CIS190 Introduction to Networking (3) OR  
CNT140AB Introduction to Networks (4) OR  
+ MST140 Microsoft Networking Essentials (3) 3-4

+ CIS225 Business Systems Analysis and Design (3) OR  
+ CIS225AB Object-Oriented Analysis and Design (3) OR  
+ CIS250 Management of Information Systems (3) 3

+ CIS119DO Introduction to Oracle: SQL (3) OR  
+ CIS276DA MySQL Database (3) OR

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**+ CIS276DB SQL Server Database (3) 3**

Select a programming language from below that best aligns with academic and professional goals (2 courses for a total of 6 credits) in one of the following areas:

+ CIS156 Python Programming: Level I (3) AND  
 + CIS256 Python Programming: Level II (3) OR

+ CIS159 Visual Basic Programming I (3) AND  
 + CIS259 Visual Basic Programming II (3) OR

+ CIS162++ Any C Programming: Level I course (3) AND  
 + CIS262++ Any C Programming: Level II course (3) OR

+ CIS163AA Java Programming: Level I (3) AND  
 + CIS263AA Java Programming: Level II (3) OR

+ CIS165++ Any Mobile Application Development course (3) AND  
 + CIS265 Advanced iOS Application Development (3) 6

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**Restricted Electives**


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Students may not use courses from the Required Courses Area.

**Credits: 6**

CIS224 Project Management Microsoft Project for Windows 3

+ CIS151 Computer Game Development-Level I 3

+ CIS156 Python Programming: Level I 3

+ CIS159 Visual Basic Programming I 3

+ CIS162++ Any C Programming: Level I course 3

+ CIS163AA Java Programming: Level I 3

+ CIS165++ Any Mobile Application Development course 3

+ CIS251 Computer Game Development-Level II 3

+ CIS256 Python Programming: Level II 3

+ CIS259 Visual Basic Programming II 3

+ CIS262++ Any C Programming: Level II course 3

+ CIS263AA Java Programming: Level II 3

+ CIS265 Advanced iOS Application Development 3

GBS211 Legal, Ethical and Regulatory Issues of the Internet Studies 3

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**General Education Requirements**


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**General Education Requirement**

**Credits: 22-28**

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**General Education Core**

**Credits: 12-18**

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**First-Year Composition**

**Credits: 6**

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+ ENG101 First-Year Composition (3) OR

+ ENG107 First-Year Composition for ESL (3) AND

- + ENG102 First-Year Composition (3) OR
  - + ENG108 First-Year Composition for ESL (3) 6
- 

**Oral Communication****Credits: 3**

Any approved general education course in the Oral Communication area.

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**Critical Reading****Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
  - Equivalent by assessment 0-3
- 

**Mathematics****Credits: 3-6**

- + MAT150 College Algebra/Functions (5) OR
  - + MAT151 College Algebra/Functions (4) OR
  - + MAT152 College Algebra/Functions (3) OR
  - + MAT155 College Algebra/Functions with Review (5) OR
  - + MAT156 College Algebra/Functions with Review (6) 3-6
- 

**General Education Distribution****Credits: 10****Humanities, Arts and Design****Credits: 3**

Any approved general education courses in the Humanities, Arts and Design [HU] area. 3

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**Social-Behavioral Sciences****Credits: 3**

- ECN211 Macroeconomic Principles (3) OR
  - ECN212 Microeconomic Principles (3) OR
  - SBU200 Society and Business (3) 3
- 

**Natural Sciences****Credits: 4**

Any approved general education course in the Natural Sciences (Quantitative) [SQ] area or the Natural Sciences (General) [SG] area. 4

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Programming and Systems Analysis Level I

Major: **5048**  
 First Term: **2021 Fall**  
 Final Term: **Current**

Initiating College: **Mesa Community College**  
 Program Availability: **CG, EM, GC, MC, PC, PV, RS, SC**  
 Field of Interest: **Computer and Information Technology**

Award: **CCL**  
 Total Credits: **24**  
 CIP Code: **11.0501**

Instructional Council: **Computer Information Systems (12)**  
 GPA: **2.00**

SOC Code: **Upon completion of this certificate, students may pursue a career as:  
 15-1211.00 Computer Systems Analyst.**

**Description:** The Certificate of Completion (CCL) in Programming and Systems Analysis Level I provides an exploration of different computer language and technical skills. The CCL includes, but is not limited to the following: operating systems, local area networks, business communication, team roles, and dynamics. A Certificate of Completion (CCL) in Programming and Systems Analysis Level II, Certificate of Completion (CCL) in iOS App Development and an Associate in Applied Science (AAS) in Programming and Systems Analysis are also available.

### Learning Outcomes

1. Analyze business requirements using critical thinking skills. (CIS105, CIS133DA, CIS150, CIS15AB, CIS166++, GBS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)
2. Use computer systems and networks in a responsible and ethical manner. (CIS105, GBS151)
3. Design, develop and implement database solutions to effectively manage data. (CIS119DO, CIS276DA, CIS276DB)
4. Develop and implement well-structured computer programs that solve business problems. (CIS150, CIS15AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)
5. Utilize the software development lifecycle for application development. (CIS150, CIS15AB, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)
6. Test and debug computer programs. (CIS150, CIS15AB, CIS159, CIS162++, CIS163AA, CIS165++)
7. Leverage the functions and architecture of an operating system to achieve business objectives. (CIS105, CIS126DL, CIS126RH, MST150++)
8. Communicate professionally in formal and informal situations to diverse audiences. (CIS133DA, CIS166++)
9. Write effective documentation according to industry standards. (CIS133DA, CIS150, CIS15AB, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)
10. Collaborate effectively with diverse teams. (GBS151)
11. Apply an understanding of characteristics and principles of business processes to software application development. (GBS151, CIS133DA, CIS150, CIS15AB, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)
12. Design web-based applications using client-side and server-side scripting. (CIS133DA,



CIS166++)

13. Develop a project scope while considering factors such as customer requirements, project costs, return on investment, and internal/external business objectives. (GBS151, CIS133DA, CIS150, CIS15AB, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++)

### Program Notes

Students must earn a grade of C or better for all courses required within the program.

Consultation with an Academic Advisor is recommended for course selection.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:**

[CCL/5084 Software Development](#)

[CCL/5207 Computer Programming](#)

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems 3

**Credits:  
24**

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276DA MySQL Database (3) OR

+ CIS276DB SQL Server Database (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) OR

+ MST150++ Any Microsoft Windows course (3) 3

CIS133DA Internet/Web Development Level I 3

+ CIS150 Programming Fundamentals (3) OR

+ CIS150AB Object-Oriented Programming Fundamentals (3) 3

+ CIS166++ Any Web Scripting course(s) 3

GBS151 Introduction to Business 3

Select a programming language from below that best aligns with academic and professional goals (1 course for a total of 3 credits) in one of the following areas:

+ CIS156 Python Programming: Level I (3) OR

+ CIS159 Visual Basic Programming I (3) OR

+ CIS162++ Any C Programming: Level I course (3) OR

+ CIS163AA Java Programming: Level I (3) OR

+ CIS165++ Any Mobile Application Development course (3) 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: April 27, 2021

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**COMPUTER AND  
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## Programming and Systems Analysis Level II

Major: **5962** Initiating College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG, EM, GC, MC, PC, PV, RS, SC**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **36-37** GPA: **2.0**  
 CIP Code: **11.0501**

SOC Code: **Upon completion of this certificate, students may pursue a career as:  
 15-1211.00 Computer Systems Analyst.**

**Description:** The Certificate of Completion (CCL) in Programming and Systems Analysis Level II provides an in-depth exploration of different computer language and technical skills. This CCL includes, but is not limited to the following: local area networks, team roles, and dynamics. A Certificate of Completion (CCL) in iOS App Development and an Associate in Applied Science (AAS) in Programming and Systems Analysis are available.

### Learning Outcomes

1. Analyze business requirements using critical thinking skills. (CIS105, CIS133DA, CIS150, CIS150AB, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS225, CIS225AB, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS151, GBS211)
2. Use computer systems and networks in a responsible and ethical manner. (CIS105, CIS190, CIS225, CIS225AB, CIS250, CNT140AB, GBS151, MST140)
3. Design, develop and implement database solutions to effectively manage data. (CIS119DO, CIS276DA, CIS276DB)
4. Develop and implement well-structured computer programs that solve business problems. (CIS150, CIS150AB, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265)
5. Utilize the software development lifecycle for application development. (CIS150, CIS150AB, CIS151, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS225, CIS225AB, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265)
6. Test and debug computer programs. (CIS150, CIS150AB, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265)
7. Leverage the functions and architecture of an operating system to achieve business objectives. (CIS105, CIS126DL, CIS126RH, CIS165++, CIS265, MST150++,)
8. Communicate professionally in formal and informal situations to diverse audiences. (CIS133DA, CIS166++, CIS225, CIS225AB, CIS250, GBS211)
9. Write effective documentation according to industry standards. (CIS133DA, CIS150, CIS150AB, CIS151, CIS166++, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS225, CIS225AB, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265)
10. Collaborate effectively with diverse teams. (GBS151)

11. Apply an understanding of characteristics and principles of business processes to software application development. (CIS133DA, CIS150, CIS150AB, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS224, CIS225, CIS225AB, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS151)
12. Design web-based applications using client-side and server-side scripting. (CIS133DA, CIS166++, CIS262++ CIS263AA)
13. Develop a project scope while considering factors such as customer requirements, project costs, return on investment, and internal/external business objectives. (CIS133DA, CIS150, CIS150AB, CIS151, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166++, CIS224, CIS225, CIS225AB, CIS250, CIS251, CIS256, CIS259, CIS262++, CIS263AA, CIS265, GBS211)

### Program Notes

Students must earn a grade of C or better for all courses required within the program. Consultation with an Academic Advisor is recommended for course selection. Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

#### This program replaces:

[CCL/5084 Software Development](#)  
[CCL/5207 Computer Programming](#)

#### Program Prerequisites: None

### Required Courses

|   | <b>Credits:</b> |
|---|-----------------|
| The following courses are required and included in CCL Programming and Systems Analysis Level I   | <b>33-34</b>    |
| CIS105 Survey of Computer Information Systems 3   |                 |
| + CIS119DO Introduction to Oracle: SQL (3) OR<br>+ CIS276DA MySQL Database (3) OR<br>+ CIS276DB SQL Server Database (3) 3   |                 |
| CIS126DL Linux Operating System (3) OR<br>CIS126RH Red Hat System Administration I (3) OR<br>+ MST150++ Any Microsoft Windows course (3) 3  |                 |
| CIS133DA Internet/Web Development Level I 3   |                 |
| + CIS150 Programming Fundamentals (3) OR<br>+ CIS150AB Object-Oriented Programming Fundamentals (3) 3   |                 |
| + CIS156 Python Programming: Level I (3) OR<br>+ CIS159 Visual Basic Programming I (3) OR<br>+ CIS162++ Any C Programming: Level I course (3) OR<br>+ CIS163AA Java Programming: Level I (3) OR<br>+ CIS165++ Any Mobile Application Development course (3) 3 |                 |
| + CIS166++ Any Web Scripting course(s) 3<br>GBS151 Introduction to Business 3   |                 |

The following courses are required for CCL Programming and Systems Level II

- + CIS190 Introduction to Networking (3) OR
- CNT140AB Introduction to Networks (4) OR
- + MST140 Microsoft Networking Essentials (3) 3-4
  
- + CIS225 Business Systems Analysis and Design (3) OR
- + CIS225AB Object-Oriented Analysis and Design (3) OR
- + CIS250 Management of Information Systems (3) 3

Select a programming language from below that best aligns with academic and professional goals (1 course for a total of 3 credits) in one of the following areas:

- + CIS256 Python Programming: Level II (3) OR
- + CIS259 Visual Basic Programming II (3) OR
- + CIS262++ Any C Programming: Level II course (3) OR
- + CIS263AA Java Programming: Level II (3) OR
- + CIS265 Advanced iOS Application Development (3) 3

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### Restricted Electives

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Select one of the courses below that best aligns with academic and professional goals for a total of 3 credits. Students may not choose courses they have taken from the Required Courses area.

**Credits:  
3**

- + CIS151 Computer Game Development-Level I 3
- + CIS156 Python Programming: Level I 3
- + CIS159 Visual Basic Programming I 3
- + CIS162++ Any C Programming: Level I course 3
- + CIS163AA Java Programming: Level I 3
- + CIS165++ Any Mobile Application Development course 3
- CIS224 Project Management Microsoft Project for Windows 3
- + CIS251 Computer Game Development-Level II 3
- + CIS256 Python Programming: Level II 3
- + CIS259 Visual Basic Programming II 3
- + CIS262++ Any C Programming: Level II course 3
- + CIS263AA Java Programming: Level II 3
- + CIS265 Advanced iOS Application Development 3
- GBS211 Legal, Ethical and Regulatory Issues of the Internet Studies 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: April 27, 2021

Free All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



## Red Hat Linux Administrator

Major: **5049N**      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**      Program Availability: **CG EM GC GW MC PC PV SC SM**  
 Final Term: **Current**      Field of Interest: **Computer and Information Technology**

Award: **CCL**      Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **6-9**      GPA: **2.0**  
 CIP Code: **11.1001**

SOC Code: **Upon completion of this certificate, students may pursue a career in the following job fields:**

**15-1211.00 Computer Systems Analysts**  
**15-1231.00 Computer Network Support Specialists**

**Upon completion of an associate degree, students may pursue a career in the following job fields:**

**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**

**Description:** The Certificate of Completion (CCL) in Red Hat Linux Administrator program is designed to help prepare students for employment or to improve current professional skills. The program includes Red Hat Enterprise Linux system basics and management including sophisticated manipulation of file structures, backup systems, troubleshooting, user account management, hard disk maintenance and configuration, process monitoring and prioritizing, and system resource control. This program helps prepare students for the Red Hat Certified System Administrator (RHCSA) certification exam. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Create, manage, and delete user accounts, groups and permissions. (CIS126RH, CIS238RH)
2. Apply troubleshooting techniques to prevent and address system issues. (CIS105, CIS126RH, CIS238RH)
3. Monitor system functions and security through the use of a variety of system tools and logs. (CIS105, CIS126RH, CIS238RH)
4. Install and maintain software packages. (CIS105, CIS126RH, CIS238RH)
5. Describe and navigate the Linux file system hierarchy. (CIS126RH)
6. Create partitions and file systems, and manipulate access to them. (CIS126RH, CIS238RH)
7. Demonstrate configuration and troubleshooting of Linux networking, including network protocols, client and server systems. (CIS126RH, CIS238RH)

8. Configure and troubleshoot Linux security, including permissions, SELinux, access control lists (ACLs), and firewalls. (CIS126RH, CIS238RH)  
 9. Create and maintain shell scripts. (CIS238RH)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**Program Prerequisites: None**

### Required Courses

CIS105 Survey of Computer Information Systems (3) OR  
 Permission of program director (0) 0-3

**Credits: 6-9**

CIS126RH Red Hat System Administration I 3  
 + CIS238RH Red Hat System Administration II 3

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: November 26, 2019

All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



## Red Hat Linux Engineer

Major: **5050N**      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**      Program Availability: **CG EM GC GW MC PC PV SC SM**  
 Final Term: **Current**      Field of Interest: **Computer and Information Technology**

Award: **CCL**      Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **9-12**      GPA: **2.0**  
 CIP Code: **11.1001**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**15-1211.00 Computer Systems Analysts**  
**15-1231.00 Computer Network Support Specialists**  
**15-1299.08 Computer Systems Engineers/Architects**

**Upon completion of an associate degree, students may pursue a career as:**

**15-1212.00 Information Security Analysts**  
**15-1244.00 Network and Computer Systems Administrators**

**Description:** The Certificate of Completion (CCL) in Red Hat Linux Engineer program is designed to help prepare students for employment or to improve current professional skills. The program includes in depth Red Hat Enterprise Linux system networking including integrating Linux servers and workstations into a network environment with multi-platform network operating systems with a variety of open-standard and proprietary protocols. This program helps prepare students for the Red Hat Certified System Administrator (RHCSA) and Red Hat Certified Engineer (RHCE) certification exams. Students who complete this program may seek employment in a variety of environments. Students can also pursue additional Certificates of Completion (CCL) in a variety of specializations within the information technology field to deepen their knowledge and skills and help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Create, manage, and delete user accounts, groups and permissions. (CIS126RH, CIS238RH, CIS240RH)
2. Apply troubleshooting techniques to prevent and address system issues. (CIS105, CIS126RH, CIS238RH)
3. Monitor system functions and security through the use of a variety of system tools and logs. (CIS105, CIS126RH, CIS238RH, CIS240RH)
4. Install and maintain software packages. (CIS105, CIS126RH, CIS238RH)
5. Describe and navigate the Linux file system hierarchy. (CIS126RH)
6. Create partitions and file systems, and manipulate access to them. (CIS126RH, CIS238RH, CIS240RH)
7. Demonstrate configuration and troubleshooting of Linux networking, including network protocols,



client and server systems. (CIS126RH, CIS238RH)

8. Configure and troubleshoot Linux security, including permissions, SELinux, access control lists (ACLs), digital certificates, and firewalls. (CIS126RH, CIS238RH, CIS240RH)

9. Configure automation services. (CIS240RH)

10. Create and maintain shell scripts. (CIS238RH, CIS240RH)

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### Program Notes

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**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:** [CCL/5204N Linux Professional](#)

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**Program Prerequisites: None**

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### Required Courses

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CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director (0) 0-3

**Credits: 9-12**

CIS126RH Red Hat System Administration I 3  
+ CIS238RH Red Hat System Administration II 3  
+ CIS240RH Red Hat System Administration III 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## Retail Management

Major: **3048** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, RS, SC, SM**  
 Final Term: **2022 Summer** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **AAS** Instructional Council: **Business/Management (03)**  
 Total Credits: **61-63** GPA: **2.0**  
 CIP Code: **52.0212**

SOC Code: **Upon completion of this degree, students may pursue a career as:**  
**41-1011 First Line Supervisor of Retail Sales**  
**11-2022.00- Sales Managers**

**Description:** The Associate in Applied Science (AAS) in Retail Management degree is designed to prepare individuals working in the retail management, food industry, and related fields, for the mid-level management position challenges of the future. The curriculum encompasses business essentials and also emphasizes the skill sets needed for effective management and communication in the work environment. Instruction will provide the background and knowledge necessary for students to develop the judgment skills they must exercise as business managers. A Certificate of Completion (CCL) in Retail Management is also available.

## Learning Outcomes

1. Demonstrate skills in leading, negotiating, and working in harmony with others in a business setting. (MGT101, MGT229, MGT251, GBS+++ , MGT+++ , SBU200, [HU])
2. Apply fundamental concepts to perform basic computing skills and technology operations. (BPC110, CIS105)
3. Demonstrate communication principles and critical thinking through written and oral formats. (COM100, SBU200, (CRE), [FYC], [HU], [SG/SQ], GBS+++)
4. Evaluate various leadership styles and management techniques and explain their use in contemporary business settings. (MGT101, MGT229, MGT251, MGT+++ , SBU200)
5. Apply marketing principles to the development of a marketing strategy. (MKT268, MKT271, MKT+++ , GBS+++)
6. Evaluate current trends in human resource management and human resource needs to develop a human resource plan. (MGT251, MGT276, MGT+++)
7. Interpret and analyze financial information and financial performance measures to make business decisions. (ACC111, ACC112, ACC211, ACC212, ACC230, ACC240, [MA])
8. Evaluate merchandising, financial planning, and strategy in the industry to make business decisions. (MGT180, MKT268)
9. Create and present a strategic plan for a business, including financial strategy and financial performance measures. (MGT180)

## Program Notes

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Students must earn a grade of C or better in all courses within the program.

+ indicates course has prerequisites and/or corequisites.

++ indicates any suffixed courses

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### Program Prerequisites: None

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## Required Courses

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Choose one of the following three accounting sequences:

**Credits: 27-30**

ACC111 Accounting Principles I (3) AND

+ ACC230 Uses of Accounting Information I (3) AND

+ ACC240 Uses of Accounting Information II (3)

OR

ACC111 Accounting Principles I (3) AND

+ ACC112 Accounting Principles II (3) AND

+ ACC212 Managerial Accounting (3)

OR

ACC211 Financial Accounting (3) AND

+ ACC212 Managerial Accounting (3) 6-9

BPC110 Computer Usage and Applications (3) OR

CIS105 Survey of Computer Information Systems (3) 3

MGT101 Techniques of Supervision (3) OR

MGT229 Management and Leadership I (3) 3

MGT180 Retail Management (3) OR

MKT268 Merchandising (3) 3

MGT251 Human Relations in Business 3

MGT276 Personnel/Human Resources Management 3

MKT271 Principles of Marketing 3

SBU200 Society and Business 3

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## Restricted Electives

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Student must complete an additional nine (9) to fifteen (15) credits from GBS, MGT, and/or MKT prefixed courses (except courses used to satisfy Required Courses area) to complete a minimum of 61 total program credits. Must include at least one MKT course.

**Credits:  
9-15**

GBS+++ Any GBS General Business course(s)

MGT+++ Any MGT Management course(s)

MKT+++ Any MKT Marketing course(s)

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## General Education Requirements

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**General Education Requirement****Credits: 13-24****General Education Core****Credits: 12-17****First-Year Composition****Credits: 6**

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) AND
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) OR
- + ENG111 Technical and Professional Writing (3) 6

ENG102 or ENG108 recommended for students considering pursuing a bachelors degree at an Arizona university.

**Oral Communication****Credits: 3**

COM100 Introduction to Human Communication 3

**Critical Reading****Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
- Equivalent as indicated by assessment

**Mathematics****Credits: 3-5**

Any approved general education course from the Mathematics area.

**General Education Distribution****Credits: 7****Humanities, Arts and Design****Credits: 3**

Any approved general education course from the Humanities, Arts and Design area.

**Social-Behavioral Sciences****Credits: 0**

Met by SBU200 in Required Courses area.

**Natural Sciences****Credits: 4**

Any approved general education course from the Natural Sciences area.

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 28, 2019

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## Retail Management

Major: **5286** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **CG, EM, GC, GW, MC, PC, RS, SC, SM**  
 Final Term: **2022 Summer** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (03)**  
 Total Credits: **24** GPA: **2.0**  
 CIP Code: **52.0212**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**41-1011 First Line Supervisor of Retail Sales,**  
**11-2021.00- Marketing Managers,**  
**11-2022.00- Sales Managers**

**Description:** The Certificate of Completion (CCL) in Retail Management is designed to prepare individuals working in the retail industry, and related fields, for the industry training needs in supervision and management, marketing, financial management, and business planning. The curriculum encompasses several business essentials and also emphasizes the skill sets needed for effective management and communication in the work environment. An Associate in Applied Science (AAS) in Retail Management is also available.

## Learning Outcomes

1. Demonstrate skills in leading, negotiating, and working in harmony with others in a business setting. (MGT101, MGT229, MGT251)
2. Apply fundamental concepts to perform basic computing skills and technology operations. (BPC110, CIS105)
3. Demonstrate communication principles and critical thinking through written and oral formats. (COM100)
4. Evaluate various leadership styles and management techniques and explain their use in contemporary business settings. (MGT101, MGT229, MGT251)
5. Apply marketing principles to the development of a marketing strategy. (MKT268, MKT271)
6. Evaluate current trends in human resource management and human resource needs to develop a human resource plan. (MGT251, MGT276)
7. Interpret and analyze financial information and financial performance measures to make business decisions. (ACC111, ACC211)
8. Evaluate merchandising, financial planning, and strategy in the industry to make business decisions. (MGT180, MKT268)
9. Create and present a strategic plan for a business, including financial strategy and financial performance measures. (MGT180)

## Program Notes

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of C or better required for all courses within the program.

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**Program Prerequisites: None**

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**Required Courses**

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ACC111 Accounting Principles I (3) OR  
ACC211 Financial Accounting (3) 3

**Credits: 24**

BPC110 Computer Usage and Applications (3) OR  
CIS105 Survey of Computer Information Systems (3) 3

COM100 Introduction to Human Communication 3

MGT251 Human Relations in Business 3

MGT101 Techniques of Supervision (3) OR  
MGT229 Management and Leadership I (3) 3

MGT180 Retail Management (3) OR  
MKT268 Merchandising (3) 3

MGT276 Personnel/Human Resources Management 3

MKT271 Principles of Marketing 3

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 28, 2019

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## Small Business Management Level I

Major: **5153N** Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall** Program Availability: **EM GC GW MC PC RS SM**  
 Final Term: **Current** Field of Interest: **Business, Entrepreneurialism and Management**

Award: **CCL** Instructional Council: **Business/Management (03)**  
 Total Credits: **10-12** GPA: **2.0**  
 CIP Code: **52.0703**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**

**47-4011.01 Energy Auditors**  
**13-1199.02 Security Management Specialists**  
**13-1041.08 Customs Brokers**  
**13-1199.04 Business Continuity Planners**  
**13-1199.05 Sustainability Specialists**  
**13-1199.06 Online Merchants**

**Description:** The Certificate of Completion (CCL) in Small Business Management Level I program is designed to meet the needs of individuals who wish to own and/or manage a small business. Prepares students to acquire the skills, tools and knowledge necessary for successful start-up and operations of a business.

### Program Notes:

This program is not eligible for Title IV Federal Financial Aid.  
 Students must earn a grade of C or better required for all courses within the program.  
 + indicates course has prerequisites and/or corequisites

### Program Prerequisites: None

### Required Courses

**Credits: 10-12**

EPS195 Business Start-Up and Planning (2) OR  
 + SBS216 Planning for a Small Business (2) OR  
 MGT253 Owning and Operating a Small Business (3) 2-3

SBS200 Small Business Operations 2

SBS202 Small Business Bookkeeping and Tax Preparation (1) AND  
 SBS203 Financing and Cash Management for a Small Business (1) OR  
 SBS230 Financial and Tax Management for Small Business (2) 2

SBS204 Small Business Marketing and Advertising (2) OR

SBS220 Internet Marketing for Small Business (2) OR  
MKT271 Principles of Marketing (3) 2-3

SBS213 Hiring and Managing Employees 1  
SBS214 Small Business Customer Relations 1

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### Learning Outcomes

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1. Prepare a business plan and budget to develop a comprehensive action, operations, and strategic plans. (EPS195, MGT253, SBS200, SBS216)
  2. Apply basic accounting, finance, and marketing principles in a small business environment. (MKT271, MGT253, SBS202, SBS203, SBS204, SBS220, SBS230)
  3. Create and use effective oral, written, and visual business communication skills. (MKT271, MGT253, SBS200, SBS204, SBS213, SBS214, SBS220)
  4. Describe effective staff planning, personnel cost control, and discipline methods. (EPS195, MGT253, SBS200, SBS213, SBS216)
  5. Apply problem-solving processes to problems in small business daily operations. (EPS195, MGT253, SBS200, SBS213, SBS216)
- 

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: May 28, 2019

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**MARICOPA**  
COMMUNITY COLLEGES



**HEALTH SCIENCES**

## Speech Language Pathology Assistant

|   |  |
|---|--|
| Major: <b>3776</b>  | Primary College: <b>Estrella Mountain Community College</b>    |
| First Term: <b>2021 Fall</b>  | Program Availability: <b>College-Specific: EM</b>              |
| Final Term: <b>Current</b>  | Field of Interest: <b>Health Sciences</b>                      |
| Award: <b>AAS</b>   | Instructional Council: <b>Occupational Administrators (53)</b> |
| Total Credits: <b>60-68</b>   | GPA: <b>2.00</b>   |
| CIP Code: <b>51.0816</b>  |  |
| SOC Code: <b>Upon completion of this degree, students may pursue a career as:</b> |  |
| <b>31-9099.01 Speech-Language Pathology Assistants</b>                            |  |

**Description:** The Associate in Applied Science (AAS) in Speech Language Pathology Assistant is designed to provide comprehensive academic and practical education and training for Speech-Language Pathology Assistants. The program provides curriculum and clinical experience in working with individuals with communication disorders across the lifespan. The program content is aligned with the American Speech-Language-Hearing Association (ASHA) guidelines and the Arizona State License Statute for Speech Language Pathology Assistants. In addition to work in the classroom, the program provides students with the opportunity to gain practical experience in working with clients under the direction and supervision of an ASHA certified speech-language pathologist. A Certificate of Completion (CCL) in Speech Language Pathology Assistant is also available.

### Program Notes:

Students must earn a grade of C or better in all courses within the program.

### License/Certification Requirements:

Students must meet all applicable state and/or national license and/or certification requirements to practice as a Speech Language Pathology Assistant. Please visit state and national governing bodies for specific licensing/certification requirements.

### Waiver of License/Certification Guarantee:

Formal admission or graduation from the Speech Language Pathology Assistant (SLPA) Program does not guarantee obtaining a license to practice as an SLPA. License requirements and the subsequent procedures are the exclusive right and responsibility of the state and/or national licensing/certifying bodies. Students must satisfy the requirements of the SLPA Practice Act: Statutes, Rules and Regulations, independently of any college or school requirements for graduation.

**Admission Criteria:** Formal application and admission to the program is required. All program prerequisites and admission criteria must be completed prior to submission of application. See Estrella Mountain Community College website for application instructions, materials, and deadlines.

Admission to the Speech Language Pathology Assistant Associate in Applied Science program requires a current and valid Level One Identify Verified Fingerprint (IVP) Clearance Card. Applicants must present a copy of the front and back of the Level One IVP Fingerprint Clearance Card with their application. For a Fingerprint Clearance Card application, contact the Arizona Department of Public Safety. Applicants must also provide a copy of any official transcripts and a certificate of attendance at a Speech Language Pathology Assistant (SLPA) Orientation.

### Program Prerequisites: None

**Program Prerequisites: None****Required Courses**

SLP104 Speech, Language, and Hearing Development 3  
 SLP205 Introduction to Communication Disorders 3  
 SLP210 Speech and Hearing Anatomy and Physiology 3  
 SLP212 Language Disorders and Rehabilitation 3  
 SLP214 Speech Sound Disorders and Phonetics 3  
 SLP215 Speech, Language, Hearing Disorders and Rehabilitation 3  
 SLP217 Clinical Ethics and Documentation 3  
 SLP218 Behavior Management 3

**Credits:  
32**

SLP235AA Speech-Language Pathology Practicum (1) (May be repeated)  
 OR  
 SLP235AB Speech-Language Pathology Practicum (2) 2

SLP240 Assistive Technology and Augmentative Communication 3  
 SLP242 Low Incidence Disabilities 3

**Restricted Electives**

**Credits: 6-8**

Students are required to select two courses from the list below:

COM263 Elements of Intercultural Communication 3  
 + ENG213 Introduction to the Study of Language 3  
 HES210 Cultural Aspects of Health and Illness 3  
 + IFS215 Cultural Context of Health Information 3  
 + PSY230 Introduction to Statistics 3  
 + PSY240 Developmental Psychology 3  
 SOC101 Introduction to Sociology 3  
 EDU/ENH291 Children`s Literature 3

AHU+++ Any AHU Arabic Humanities course(s)  
 ARB+++ Any ARB Arabic course(s)  
 ASL+++ Any ASL American Sign Language course(s)  
 CHI+++ Any CHI Chinese course(s)  
 FLA+++ Any FLA Foreign Language Acquisition course(s)  
 FRE+++ Any FRE French course(s)  
 GER+++ Any GER German course(s)  
 GRK+++ Any GRK Greek course(s)  
 HBR+++ Any HBR Hebrew course(s)  
 HEB+++ Any HEB Hebrew course(s)  
 IPP+++ Any IPP Interpreter Preparation Program course(s)  
 ITA+++ Any ITA Italian course(s)  
 ITH+++ Any ITA Italian Humanities course(s)  
 JPN+++ Any JPN Japanese course(s)  
 LAT+++ Any LAT Latin course(s)  
 NAV+++ Any NAV Navajo course(s)  
 NVH+++ Any NVH Navajo Humanities course(s)  
 PIM+++ Any PIM Pima course(s)  
 POR+++ Any POR Portuguese course(s)  
 RUS+++ Any RUS Russian course(s)

RUS\*\*\*\* Any RUS Russian course(s)

SLC+++ Any SLC Studies in Language and Culture course(s)

SPA+++ Any SPA Spanish course(s)

SPH+++ Any SPH Spanish Humanities course(s)

TRS+++ Any TRS Translation and Interpretation course(s)

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## General Education Requirements

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### General Education Requirement

**Credits: 22-28**

### General Education Core

**Credits: 12-18**

### First-Year Composition

**Credits: 6**

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) AND
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) 6

### Oral Communication

**Credits: 3**

COM110 Interpersonal Communication 3

### Critical Reading

**Credits: 0-3**

- + CRE101 College Critical Reading and Critical Thinking (3) OR
- Equivalent as indicated by assessment. 0-3

### Mathematics

**Credits: 3-6**

- + Any approved general education course from the Mathematics area

Recommend students intending to transfer take MAT187 Precalculus.

### General Education Distribution

**Credits: 10**

### Humanities, Arts and Design

**Credits: 3**

Any approved general education course from the Humanities, Arts and Design area. 3

### Social-Behavioral Sciences

**Credits: 3**

PSY101 Introduction to Psychology 3

### Natural Sciences

**Credits: 4**

BIO160 Introduction to Human Anatomy and Physiology (4) OR  
 + BIO201 Human Anatomy and Physiology I (4) OR  
 + PHY101 Introduction to Physics (4) OR  
 + PHY111 General Physics I (4)

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### Program Competencies

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1. Abide by state and national scope of practice. (SLP205, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
  2. Demonstrate professional and ethical behavior in accordance with state and national standards. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, BIO160, BIO201, COM110, COM263, PHY101, PHY111, PSY101, PSY240, (CRE), [FYC])
  3. Administer informal screenings and therapy probes to gather data to support a treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP235AA, SLP235AB, SLP242, BIO160, BIO201, COM110, COM263, ENG213, PHY101, PHY111, PSY101, PSY230, PSY240, [MA])
  4. Draw conclusions from multiple sources of information to inform the implementation of a treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, BIO160, BIO201, COM110, COM263, EDU/ENH291, ENG213, HES210, IFS215, PHY101, PHY111, PSY101, PSY230, PSY240, SOC101, (CRE), [FYC], [HU], [MA])
  5. Execute therapeutic and evidenced-based practices using an understanding of speech, language, voice and fluency disorders under the direction of a licensed speech-language pathologist. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, BIO160, BIO201, ENG213, PHY101, PHY111, PSY101, PSY230, PSY240, (CRE), [FYC], [MA])
  6. Identify appropriate technology solutions to meet client needs. (SLP212, SLP214, SLP215, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, BIO160, BIO201, COM110, COM263, ENG213, PHY101, PHY111, PSY101, PSY230, PSY240, [MA])
  7. Document progress toward goals in an established treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP235AA, SLP235AB, SLP242, BIO160, BIO201, COM110, COM263, ENG213, PHY101, PHY111, PSY230, (CRE), [FYC], [MA])
  8. Communicate in a culturally responsive manner, demonstrating empathetic and active listening skills. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, COM110, COM263, EDU/ENH291, HES210, IFS215, PSY101, PSY240, SOC101, (CRE), [FYC], [HU])
  9. Communicate complex information clearly with a purpose appropriate to the context and audience in written and oral forms. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, BIO160, BIO201, COM110, COM263, EDU/ENH291, ENG213, HES210, IFS215, PHY101, PHY111, PSY101, PSY230, PSY240, SOC101, (CRE), [FYC], [HU], [MA])
  10. Produce documentation of services in compliance with regulation and reimbursement requirements. (SLP217, SLP235AA, SLP235AB, BIO160, BIO201, PHY101, PHY111, (CRE), [FYC])
  11. Demonstrate the ability to learn from and adapt to changing contexts. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242, COM110, COM263, EDU/ENH291, ENG213, HES210, IFS215, PHY101, PHY111, PSY101, PSY230, PSY240, SOC101, (CRE), [FYC], [HU], [MA])
  12. Select relevant continued professional and personal growth opportunities within the field. (SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
-

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 27, 2020

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HEALTH SCIENCES

## Speech Language Pathology Assistant

|  |  |
|--|--|
| Major: <b>5994N</b>  | Primary College: <b>Estrella Mountain Community College</b>    |
| First Term: <b>2021 Fall</b>   | Program Availability: <b>College-Specific</b>                  |
| Final Term: <b>Current</b>   | Field of Interest: <b>Health Sciences</b>                      |
| Award: <b>CCL</b>  | Instructional Council: <b>Occupational Administrators (53)</b> |
| Total Credits: <b>32</b>   | GPA: <b>2.00</b>   |
| CIP Code: <b>51.0816</b>   |  |
| SOC Code: <b>Upon completion of this program, students may pursue a career as:</b> |  |
| <b>31-9099.01 Speech-Language Pathology Assistants</b>                             |  |

**Description:** The Certificate of Completion (CCL) in Speech Language Pathology Assistant is designed to provide comprehensive academic and practical education and training for Speech-Language Pathology Assistants. The program provides curriculum and clinical experience in working with individuals with communication disorders across the lifespan. The program content is aligned with the American Speech-Language-Hearing Association (ASHA) guidelines and the Arizona State License Statute for Speech Language Pathology Assistants. In addition to work in the classroom, the program provides students with the opportunity to gain practical experience in working with clients under the direction and supervision of an ASHA certified speech-language pathologist. An Associate in Applied Science (AAS) in Speech Language Pathology Assistant is also available.

### Program Notes:

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

### License/Certification Requirements:

Students must meet all applicable state and/or national license and/or certification requirements to practice as a Speech Language Pathology Assistant. Please visit state and national governing bodies for specific licensing/certification requirements.

### Waiver of License/Certification Guarantee:

Formal admission or graduation from the Speech Language Pathology Assistant (SLPA) Program does not guarantee obtaining a license to practice as an SLPA. License requirements and the subsequent procedures are the exclusive right and responsibility of the state and/or national licensing/certifying bodies. Students must satisfy the requirements of the SLPA Practice Act: Statutes, Rules and Regulations, independently of any college or school requirements for graduation.

**Admission Criteria:** Formal application and admission to the program is required. All program prerequisites and admission criteria must be completed prior to submission of application. See Estrella Mountain Community College website for application instructions, materials, and deadlines.

Admission to the Speech Language Pathology Assistant Certificate of Completion program requires a current and valid Level One Identify Verified Fingerprint (IVP) Clearance Card. Applicants must present a copy of the front and back of the Level One IVP Fingerprint Clearance Card with their application. For a Fingerprint Clearance Card application, contact the Arizona Department of Public Safety. Applicants

must also provide a copy of any official transcripts documenting a conferred Associate Degree, or higher, and a certificate of attendance at a Speech Language Pathology Assistant (SLPA) Orientation.

**Program Prerequisites: None**

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**Required Courses**

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|  |                 |
|--|-----------------|
| SLP104 Speech, Language, and Hearing Development 3                 | <b>Credits:</b> |
| SLP205 Introduction to Communication Disorders 3                   | <b>32</b>       |
| SLP210 Speech and Hearing Anatomy and Physiology 3                 |                 |
| SLP212 Language Disorders and Rehabilitation 3                     |                 |
| SLP214 Speech Sound Disorders and Phonetics 3                      |                 |
| SLP215 Speech, Language, Hearing Disorders and Rehabilitation 3    |                 |
| SLP217 Clinical Ethics and Documentation 3                         |                 |
| SLP218 Behavior Management 3                                       |                 |
| <br>   |                 |
| SLP235AA Speech-Language Pathology Practicum (1) (May be repeated) |                 |
| OR   |                 |
| SLP235AB Speech-Language Pathology Practicum (2) 2                 |                 |
| <br>   |                 |
| SLP240 Assistive Technology and Augmentative Communication 3       |                 |
| SLP242 Low Incidence Disabilities 3                                |                 |

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**Program Competencies**

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1. Abide by state and national scope of practice. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
2. Demonstrate professional and ethical behavior in accordance with state and national standards. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
3. Administer informal screenings and therapy probes to gather data to support a treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP235AA, SLP235AB, SLP242)
4. Draw conclusions from multiple sources of information to inform the implementation of a treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
5. Execute therapeutic and evidenced-based practices using an understanding of speech, language, voice and fluency disorders under the direction of a licensed speech-language pathologist. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
6. Identify appropriate technology solutions to meet client needs. (SLP212, SLP214, SLP215, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
7. Document progress toward goals in an established treatment plan. (SLP212, SLP214, SLP215, SLP217, SLP235AA, SLP235AB, SLP242)
8. Communicate in a culturally responsive manner, demonstrating empathetic and active listening skills. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
9. Communicate complex information clearly with a purpose appropriate to the context and audience in written and oral forms. (SLP104, SLP205, SLP210, SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)
10. Produce documentation of services in compliance with regulation and reimbursement requirements. (SLP217, SLP235AA, SLP235AB)
11. Demonstrate the ability to learn from and adapt to changing contexts. (SLP104, SLP205, SLP210,

SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)  
12. Select relevant continued professional and personal growth opportunities within the field.  
(SLP212, SLP214, SLP215, SLP217, SLP218, SLP235AA, SLP235AB, SLP240, SLP242)

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: October 27, 2020

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## Sustainability and Ecological Literacy

|                                   |  |
|-----------------------------------|--|
| Major: <b>6232N</b>               | Initiating College: <b>Rio Salado College</b>                              |
| First Term: <b>2018 Fall</b>      | Program Availability: <b>EM RS SM</b>                                      |
| Final Term: <b>Current</b>        | Field of Interest: <b>Science, Technology, Engineering and Mathematics</b> |
| Award: <b>AC</b>                  | Instructional Council: <b>Philosophy (80)</b>                              |
| Total Credits: <b>16</b>          | <b>Sustainability (91)</b>   |
| CIP Code: <b>03.0104</b>          | GPA: <b>2.00</b>   |
| SOC Code: <b>19-2041, 25-1053</b> |  |

**Description:** The interdisciplinary Academic Certificate (AC) in Sustainability and Ecological Literacy enhances students' understanding of sustainable living practices associated with economics, equity and the environment. Through a combination of coursework and experiential learning, students engage in critical thinking, inquiry, and discourse, skills necessary for becoming socially responsible citizens who are ecologically and environmentally aware. The certificate is designed for, although not limited to, students seeking an Associate in Arts Degree and planning transfer to four-year colleges and universities.

**Suggested Course Plan Sequenced by Semester:** [EM](#), [RS](#), [SM](#)

### Program Notes:

Students must earn a grade of "C" or better in all courses within the program.

**This program is not eligible for Title IV Federal Financial Aid.**

### Program Prerequisites

|   |                   |
|---|-------------------|
| + ENG101 First Year Composition (3) OR<br>+ ENG107 First Year Composition for ESL (3) 3 | <b>Credits: 3</b> |
|---|-------------------|

### Required Courses

|   |                   |
|---|-------------------|
| PHI216 Environmental Ethics 3   | <b>Credits: 7</b> |
| BIO105 Environmental Biology (4) OR<br>GLG110 Geological Disasters and the Environment (3) AND<br>GLG111 Geological Disasters and the Environment Lab (1) 4 |                   |

### Restricted Electives

Humanities, Social Science and Wellness: Credits: 9

9

Students will choose 2 different courses from the following list:

- + ECN263 The Economics of Natural Resources, Population and the Environment (3)
- ENH206 Nature and Environmental Literature (3)
- ENH260 Literature of the Southwest (3)
- HUM201 Humanities: Universal Themes (3)
- REC150AB Outdoor Adventure Skills (3)
- SBU200 Society and Business (3) 6

Students will choose 1 course from the following list:

- HIS110 World History to 1500 (3)
- HIS111 World History 1500 to the Present (3)
- HUM250 Ideas and Values in the Humanities: Early Civilizations to the Renaissance (3)
- PHI104 World Philosophy (3)
- POS120 World Politics (3)
- PSY132 Psychology and Culture (3)
- SOC101 Introduction to Sociology (3) 3

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### Program Competencies

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1. Apply ethical theories and moral principles to global environmental moral issues. (PHI216)
2. Analyze pragmatic and intrinsic perspectives of ecology. (PHI216)
3. Compose oral and written discourse that defends a position on global environmental issues. (PHI216, BIO105, GLG110)
4. Use variety of analytical tools to critically analyze environmental quality and natural resource problems. (BIO105, ECN263, GLG110)
5. Analyze various cultural perspectives on the environment. (ENH206, ENH260, HUM201, REC150AB, SBU200)
6. Demonstrate cognitive and socio-emotional awareness of nature. (PHI216, BIO105, GLG110, GLG111)

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: March 24, 2015

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**CULTURE  
AND SOCIETY**

### Traditional and Fact-Based Storytelling

Major: **6254N**  
 First Term: **2020 Fall**  
 Final Term: **Current**  
 Primary College: **South Mountain Community College**  
 Program Availability: **EM SM**  
 Field of Interest: **Culture and Society**

Award: **AC**  
 Total Credits: **6**  
 CIP Code: **05.0209**  
 Instructional Council: **Storytelling (05)**  
 GPA: **2.0**

SOC Code: **Upon completion of this program, students may pursue a career as  
 27-3043.05 Poets, Lyricists, and Creative Writers  
 27-2099.00 Entertainers and Performers, Sports and Related Workers, All Other**

**Description:** The Academic Certificate (AC) in Traditional and Fact-Based Storytelling is designed to provide students with an understanding of universal themes and basic practices, which are the foundation for storytelling. The program provides interactive storytelling training, which will enhance the skills of persons in areas such as education, the performing arts, community advocacy, workforce and business entrepreneurship, mental health, the ministry, and interpretive settings such as museums and parks. This program will also aid students interested in enhancing interpersonal relations skills and in using stories in family and community settings.

#### Learning Outcomes

1. Demonstrate the skills of oral storytelling to construct and deliver stories. (HIS/STO279, STO295)
2. Develop cultural awareness and a sense of community through oral storytelling. (HIS/STO279, STO295)
3. Employ the ethical protocols and practices of storytelling as they pertain to awareness of self and others. (HIS/STO279, STO295)
4. Utilize digital media to produce, present, promote, and preserve the stories and voices of storytellers. (HIS/STO279, STO295)
5. Maintain a repertoire of stories that reflect the individual's storytelling style and that can be adapted for a variety of situations or purposes. (HIS/STO279, STO295)

#### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

**This program replaces: [AC/6217N Interdisciplinary Storytelling](#)**

**Program Prerequisites: None**

#### Required Courses

HIS/STO279 Creating and Telling Fact-Based Historical Stories 3  
 STO295 Traditional Storytelling Around the World 3

**Credits: 6**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## VMware Foundations

Major: **5035N**                      Initiating College: **Estrella Mountain Community College**  
 First Term: **2020 Fall**            Program Availability: **EM GC GW MC PC PV SC**  
 Final Term: **Current**              Field of Interest: **Computer and Information Technology**

Award: **CCL**                      Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **3**  
 CIP Code: **11.1001**              GPA: **2.0**

SOC Code: **Upon completion of this certificate, students may pursue a career as:  
 15-1244.00 Network and Computer Systems Administrators**

**Upon completion of an associate degree, students may pursue a career as:  
 15-1211.00 Computer Systems Analysts  
 15-1212.00 Information Security Analysts  
 15-1231.00 Computer Network Support Specialists**

**Description:** The Certificate of Completion (CCL) in VMware Foundations program is designed to help students prepare for VMware industry certifications and work in a variety of information technology environments including software defined data centers. The program introduces vSphere and VMware ESXi server in the enterprise and covers many aspects of virtualization for VMware ESXi server administration. It is designed to prepare students for the VMware Foundations (VCA) certification exam. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Apply virtualization concepts to hardware hierarchies. (CIS197)
2. Design, install, configure, and manage VMware environments including basic network functions. (CIS197)
3. Troubleshoot and document virtual networks. (CIS197)
4. Build an enterprise level virtual network infrastructure using industry best practices. (CIS197)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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### Admission Criteria

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This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience. To pursue this CCL, students must complete the prerequisites to the courses within the Required Courses area as follows OR receive permission of the Program Director:

CIS105 Survey of Computer Information Systems 3

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support (3) AND

+ BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR

MST150++ Any Windows Operation Course (3) 3-6

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) 3

+ CIS190 Introduction to Networking (3) OR

CNT140AB Introduction to Networks (3) 3

Students also have the option to complete the full CCL in this program, VMware Network Administrator (major code 5032), that includes the prerequisites and required courses.

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**Program Prerequisites: None**

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### Required Courses

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+ CIS197 VMware ESXI Server Enterprise 3

**Credits: 3**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

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## VMware Network Administrator

|  |   |
|--|---|
| Major: <b>5032</b>   | Primary College: <b>Paradise Valley Community College</b>       |
| First Term: <b>2021 Fall</b>   | Program Availability: <b>CG EM GC PV</b>                        |
| Final Term: <b>Current</b>   | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>  | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>24-28</b>  |   |
| CIP Code: <b>11.1001</b>   | GPA: <b>2.0</b>   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career as:</b> |   |
| <b>15-1211.00 Computer Systems Analysts</b>  |   |
| <b>15-1212.00 Information Security Analysts</b>  |   |
| <b>15-1244.00 Network and Computer Systems Administrators</b>                          |   |
| <b>15-1231.00 Computer Network Support Specialists</b>                                 |   |
| <b>Upon completion of a bachelor`s degree, students may pursue a career as:</b>        |   |
| <b>11-3021.00 Computer and Information Systems Managers</b>                            |   |
| <b>15-1241.00 Computer Network Architects</b>  |   |

**Description:** The Certificate of Completion (CCL) in VMware Network Administrator program is designed to help students prepare for VMware industry certifications and work in a variety of information technology environments including software-defined data centers. Courses will build the knowledge and skills for students to design, install, configure, troubleshoot, and manage virtual environments and help prepare students for the CompTIA A+, CompTIA Linux +, CompTIA Network +; VMware VCA, VCP, and/or VCAP-NV Deploy certification exams. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Demonstrate knowledge of concepts and theories of virtualization and cloud computing. (CIS126DL, CIS126RH, CIS189)
2. Apply virtualization concepts to hardware hierarchies. (BPC170, CIS105, CIS197)
3. Design, install, configure, and manage VMware environments including basic network functions. (BPC270, CIS105, CIS126DL, CIS126RH, CIS190, CIS197, CNT140AB)
4. Optimize and scale vSphere. (CIS198)
5. Troubleshoot and document virtual networks. (CIS190, CIS197, CIS198, CIS200, CNT140AB)
6. Build an enterprise level virtual network infrastructure using industry best practices. (CIS190, CIS197, CIS198, CIS200, CNT140AB)

### Program Notes

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Students must earn a grade of C or better in all courses within the program.

Students who pursue this Certificate of Completion (CCL) should have a basic level of computer literacy including navigating the internet and computer systems or take CIS105 as indicated in the required courses. Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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- + BPC170 A+ Exam Prep: Computer Hardware Configuration and Support 3
- + BPC270 A+ Exam Prep: Operating System Configuration and Support 3

**Credits: 24-28**

CIS105 Survey of Computer Information Systems (3) OR  
Permission of Program Director (0) 0-3

CIS126DL Linux Operating System (3) OR  
CIS126RH Red Hat System Administration I (3) 3

CIS189 Virtualization and IT Solutions for Digital Businesses 3

+ CIS190 Introduction to Networking (3) OR  
CNT140AB Introduction to Networks (4) 3-4

- + CIS197 VMware ESXI Server Enterprise 3
  - + CIS198 VMware vSphere: Optimize and Scale 3
  - + CIS200 VMware NSX: Install, Configure, Manage 3
- 

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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## VMware Systems Administrator

|   |   |
|---|---|
| Major: <b>5033N</b>   | Initiating College: <b>Estrella Mountain Community College</b>  |
| First Term: <b>2020 Fall</b>  | Program Availability: <b>EM GC GW MC PC PV SC</b>               |
| Final Term: <b>Current</b>  | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>   | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>6</b>   |   |
| CIP Code: <b>11.1001</b>  | GPA: <b>2.0</b>   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career in the following job fields:</b> |   |
| <b>15-1211.00 Computer Systems Analysts</b>   |   |
| <b>15-1212.00 Information Security Analysts</b>   |   |
| <b>15-1244.00 Network and Computer Systems Administrators</b>   |   |
| <b>15-1231.00 Computer Network Support Specialists</b>  |   |
| <b>Upon completion of a bachelor's degree, students may pursue a career in the following job fields:</b>        |   |
| <b>11-3021.00 Computer and Information Systems Managers</b>   |   |
| <b>15-1241.00 Computer Network Architects</b>   |   |

**Description:** The Certificate of Completion (CCL) in VMware Systems Administrator program is designed to help students prepare for VMware industry certifications and work in a variety of information technology environments including software defined data centers. The program introduces vSphere and VMware ESXi server in the enterprise and covers many aspects of virtualization for VMware ESXi server administration. It includes advanced skills for configuring and maintaining a highly available and scalable virtual infrastructure and is designed to prepare students for the VMware VCA and VCP certification exams. Students can also pursue additional Certificates of Completion (CCLs) in a variety of specializations within the information technology field to deepen their knowledge and skills and to help prepare them for multiple industry certification examinations. An Associate in Applied Science (AAS) in Network and Systems Administration is also available.

### Learning Outcomes

1. Apply virtualization concepts to hardware hierarchies. (CIS197)
2. Design, install, configure, and manage VMware environments including basic network functions. (CIS197)
3. Optimize and scale vSphere. (CIS198)
4. Troubleshoot and document virtual networks. (CIS197, CIS198)
5. Build an enterprise level virtual network infrastructure using industry best practices. (CIS197, CIS198)

### Program Notes

**This program is not eligible for Title IV Federal Financial Aid.**

Students must earn a grade of C or better in all courses within the program.

Students with the requisite skills may have the CIS105 requirement waived by permission of the Program Director.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

### Admission Criteria

This Certificate of Completion (CCL) is intended for industry professionals with the requisite experience. To pursue this CCL, students must complete the prerequisites to the courses within the Required Courses area as follows OR receive permission of the Program Director:

CIS105 Survey of Computer Information Systems 3

+ BPC170 A+ Exam Prep: Computer Hardware Configuration and Support (3) AND  
 + BPC270 A+ Exam Prep: Operating System Configuration and Support (3) OR  
 MST150++ Any Windows Operation Course (3) 3-6

CIS126DL Linux Operating System (3) OR  
 CIS126RH Red Hat System Administration I (3) 3

+ CIS190 Introduction to Networking (3) OR  
 CNT140AB Introduction to Networks (3) 3

Students also have the option to complete the full CCL in this program, VMware Network Administrator (major code 5032), that includes the prerequisites and required courses.

**Program Prerequisites: None**

### Required Courses

+ CIS197 VMware ESXI Server Enterprise 3  
 + CIS198 VMware vSphere: Optimize and Scale 3

**Credits: 6**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 25, 2020

All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.



## Web Design

Major: **5986** Primary College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **38-43** GPA: **2.0**  
 CIP Code: **11.0801**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1255.00 Web and Digital Interface Designers**  
**27-1024.00 Graphic Designers**

**Description:** The Certificate of Completion (CCL) in Web Design provides students with comprehensive and focused studies in web design, including advanced image manipulation, vector graphics, page layout, video editing and design principles. A Certificate of Completion (CCL) in Web Development and an Associate in Applied Science (AAS) in Web Design/Development are also available.

## Learning Outcomes

1. Design websites using knowledge of computer information systems, including security, computer concepts, web delivery system architecture, and file management. (ART100, ART112, CIS105, CIS133DA, CIS136, CIS138DA, CIS166AA, CIS220DF, CIS233DA, CIS235)
2. Research, plan, design, develop, test, publish, and maintain websites. (ART100, ART112, CIS105, CIS120DA, CIS120DK, CIS133DA, CIS136, CIS138DA, CIS166AA, CIS220DF, CIS233DA, CIS235)
3. Create complex websites using current standards in Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and Javascript. (ART100, ART112, CIS105, CIS120DA, CIS120DB, CIS120DK, CIS133DA, CIS138DA, CIS166AA, CIS220DF, CIS233DA)
4. Research and utilize best practices in user interface, user experience, accessibility and search engine optimization to build complex websites. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS138DA, CIS220DF, CIS233DA)
5. Design and implement e-commerce solutions. (ADA/ART183, ART100, ART112, ART181, CIS105, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS166AA, CIS220DF, CIS233DA, CIS235)
6. Construct a website using a content management system. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS220DF, CIS233DA)
7. Apply project management skills to prioritize projects and meet deadlines. (CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS136, CIS166AA, CIS220DF, CIS235)
8. Adhere to industry accepted professional, legal, and ethical practices. (CIS105, CIS120DB, CIS120DF, CIS133DA, CIS136, CIS220DF, CIS233DA, CIS235)
9. Communicate professionally in formal and informal situations to diverse audiences. (CIS105,

CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS166AA, CIS220DF, CIS233DA, CIS235)

10. Collaborate with others to address web design challenges. (CIS133DA, CIS233DA, CIS235)

11. Create digital media content using principles of design. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS138DA, CIS220DF)

12. Select design elements and composition appropriate to the project. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS138DA, CIS220DF)

### Program Notes

Students must earn a grade of C or better in each course in the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

#### This program replaces:

[CCL/5159 Web Design](#)

[CCL/5168 Web Development and Graphic Design](#)

[CCL/5172 Web Design Technologies](#)

[CCL/5344 Web Designer](#)

[CCL/5345 Advanced Web Designer](#)

[CCL/5885 Media Arts: Web Design](#)

#### Program Prerequisites: None

### Required Courses

The following courses are required and also fulfill the requirements for the CCL in Web Foundations:

**Credits:**

**36-37**

CIS105 Survey of Computer Information Systems 3  
 CIS120DF Adobe Photoshop Level I: Digital Imaging 3  
 CIS133DA Internet/Web Development Level I 3  
 CIS136 Content Management Systems: WordPress 3  
 + CIS166AA Introduction to Javascript 3  
 + CIS233DA Internet/Web Development Level II 3  
 + CIS235 e-Commerce 3

The following courses are required and fulfill the requirements for the CCL in Web Design:

ADA/ART183 Digital Graphic Arts I (3)

OR

ART100 Introduction to Digital Arts (1) AND

ART181 Graphic Design I (3)

OR

ART112 Two-Dimensional Design (3) 3-4

CIS120DB Computer Graphics: Adobe Illustrator 3

CIS120DA Introduction to Digital Video Editing: Adobe Premiere (3) OR

CIS120DK Introduction to Digital Video Editing (3) 3

- + CIS138DA Desktop Design and Publishing Using Adobe InDesign 3
- + CIS220DF Adobe Photoshop Level II: Advanced Digital Imaging 3

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### Restricted Electives

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Select 2 to 6 credits in consultation with your program advisor to further develop skills in the areas of Adobe, Art, Social Media, Marketing, Business and/or Multimedia.

**Credits:**  
**2-6**

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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**COMPUTER AND  
INFORMATION  
TECHNOLOGY**



## Web Design/Development

Major: **3185** Initiating College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG, EM, GC, MC, PC, PV, RS, SC, SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **AAS** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **60-67** GPA: **2.0**  
 CIP Code: **11.0801**

SOC Code: **Upon completion of this degree, students may pursue a career as:**

**15-1254.00 Web Developers**  
**15-1255.00 Web and Digital Interface Designers**  
**27-1014.00 Special Effects Artist and Animators**  
**27-1024.00 Graphic Designers**

**Description:** The Associate in Applied Science (AAS) in Web Design/Development prepares students to design, create, and administer interactive and professional web sites. Courses focus on "hands-on" experience with web publishing, web graphics preparation, scripting, content management systems and e-commerce solutions. The program provides students a pathway to either develop advanced skills in Web Design or Web Development. Certificates of Completion (CCLs) in Foundational Web Technologies, Web Design and Web Development are also available.

## Learning Outcomes

1. Design websites using knowledge of computer information systems, including security, computer concepts, web delivery system architecture, and file management. (ART100, ART112, CIS105, CIS119DO, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS138DA, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS220DF, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++, CIS276++, [MA])
2. Research, plan, design, develop, test, publish, and maintain websites. (ART100, ART112, CIS105, CIS119DO, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS138DA, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++, CIS276++, (CRE), [FYC], [MA], [SG], [SQ])
3. Create complex websites using current standards in Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and Javascript. (ART100, ART112, CIS105, CIS119DO, CIS120DA, CIS120DB, CIS120DC, CIS120DK, CIS133DA, CIS138DA, CIS150AB, CIS163AA, CIS166AA, CIS166AE, CIS220DF, CIS233DA, CIS262AD, CIS263AA, CIS265++, CIS276++, [HU], [MA], [SB])
4. Research and utilize best practices in user interface, user experience, accessibility and search engine optimization to build complex websites. (ADA/ART183, ART100, ART112, ART181, CIS119DO, CIS120DA, CIS120DB, CIS120DC, CIS120DF, CIS120DK, CIS120DA, CIS120DK, CIS133DA, CIS136, CIS138DA, CIS166AE, CIS220DF, CIS233DA, CIS276++, (COM), (CRE), [FYC], [MA])
5. Design and implement e-commerce solutions. (ADA/ART183, ART100, ART112, ART181, CIS105,



5. Design and implement e-commerce solutions. (ADA/ART105, ART100, ART112, ART181, CIS100, CIS119DO, CIS120DA, CIS120DB, CIS120DC, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS150AB, CIS166AA, CIS166AE, CIS220DF, CIS233DA, CIS235, CIS262AD, CIS276++, (CRE), [MA], [SG], [SQ])
6. Construct a website using a content management system. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DC, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS166AA, CIS166AE, CIS220DF, CIS233DA, [MA], [SG], [SQ])
7. Apply project management skills to prioritize projects and meet deadlines. (CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS136, CIS166AA, CIS220DF, CIS235, (CRE), [SG], [SQ])
8. Adhere to industry accepted professional, legal, and ethical practices. (CIS105, CIS120DB, CIS120DF, CIS133DA, CIS136, CIS220DF, CIS233DA, CIS235, [HU], [SB], [SG], [SQ])
9. Communicate professionally in formal and informal situations to diverse audiences. (CIS105, CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS133DA, CIS136, CIS166AA, CIS220DF, CIS233DA, CIS235, (COM), (CRE), [FYC], [HU], [SB], [SG], [SQ])
10. Collaborate with others to address web design challenges. (CIS133DA, CIS233DA, CIS235, (COM), [HU], [SB])

### Web Design Emphasis Learning Outcomes

1. Create digital media content using principles of design. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DC, CIS120DF, CIS120DK, CIS138DA, CIS220DF, [FYC], [HU], [SB], [SG], [SQ])
2. Select design elements and composition appropriate to the project. (ADA/ART183, ART100, ART112, ART181, CIS120DA, CIS120DB, CIS120DC, CIS120DF, CIS120DK, CIS138DA, CIS220DF, (COM), [FYC], [HU], [SB])
3. Manipulate digital media content. (CIS120DA, CIS120DB, CIS120DF, CIS120DK, CIS136)

### Web Development Emphasis Learning Outcomes

1. Design websites using knowledge of programming. (CIS105, CIS133DA, CIS136, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++, (COM), [FYC], [HU], [MA], [SB], [SG], [SQ])
2. Develop and deploy secure database solutions that use web-based protocols. (CIS119DO, CIS276++)
3. Implement security solutions to diminish or counter threats against web delivery systems. (CIS119DO, CIS126RH, CIS133DA, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++, CIS276++, [MA], [SG], [SQ])
4. Use server-side scripting languages to create secure, dynamic web pages. (CIS133DA, CIS166AE, CIS233DA, (COM), [FYC], [MA], [SG], [SQ])

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## Program Notes

Students must earn a grade of C or better in each course in the program.  
 Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

### This program replaces:

[AAS/3029 Web Design Technologies](#)  
[AAS/3031 Web Development](#)  
[AAS/3084 Web Developer](#)  
[AAS/3085 Web Designer](#)  
[AAS/3100 Web Development and Graphic Design](#)  
[AAS/3147 Digital Media/Multimedia Technology](#)  
[AAS/3824 Media Arts: Web Design](#)

**Program Prerequisites: None****Required Courses**

In addition to the required course work students must consult with a program advisor to select one of the specializations within the Restricted Electives area.

**Credits:  
21**

CIS105 Survey of Computer Information Systems 3  
 CIS120DF Introduction to Adobe Photoshop 3  
 CIS133DA Internet/Web Development Level I 3  
 CIS136 Content Management Systems: WordPress 3  
 + CIS166AA Introduction to Javascript 3  
 + CIS233DA Internet/Web Development Level II 3  
 + CIS235 e-Commerce 3

**Restricted Electives**

Specialization I: Web Design

Credits: 17-22

ADA/ART183 Digital Graphic Arts I (3)

OR

ART100 Introduction to Digital Arts (1) AND

ART181 Graphic Design I (3)

OR

ART112 Two-Dimensional Design (3) 3-4

CIS120DA Introduction to Adobe Premiere (3) OR

CIS120DK Introduction to Digital Video Editing (3) 3

CIS120DB Introduction to Adobe Illustrator 3

CIS120DC Introduction to Adobe Animate (3) OR

+ CIS220DF Adobe Photoshop Level II: Advanced Digital Imaging (3) 3

+ CIS138DA Desktop Design and Publishing Using Adobe InDesign 3

Students must select 2 to 6 credits in consultation with your program advisor to further develop skills in the areas of Adobe, Art, Social Media, Marketing, Business and/or Multimedia.

Specialization II: Web Development

Credits: 18

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276++ Any Database Management Systems course (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) 3

+ CIS166AF Web Scripting with PHP: Hypertext Preprocessor (PHP) 3



## + CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP) 3

Programming Language: Select two courses for a total of 6 credits

- + CIS150AB Object-Oriented Programming Fundamentals 3
- + CIS156 Python Programming: Level I 3
- + CIS159 Visual Basic Programming I 3
- + CIS162++ Any C Programming course 3
- + CIS163AA Java Programming: Level I 3
- + CIS165++ Any Mobile Application Development course 3
- + CIS256 Python Programming: Level II 3
- + CIS262AD C# Level II 3
- + CIS263AA Java Programming: Level II 3
- + CIS265++ Any Advanced Application Development 3

Students must select 3 credits of any course with a CIS prefix in consultation with their program advisor to further develop skills in the areas of Databases, Information Systems, Programming, and/or Operating Systems.

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### General Education Requirements

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| General Education Requirement  | Credits: 22-28        |
|--|-----------------------|
| <hr/>  |                       |
| <b>General Education Core</b>  | <b>Credits: 12-18</b> |
| <hr/>  |                       |
| <b>First-Year Composition</b>  | <b>Credits: 6</b>     |
| <ul style="list-style-type: none"> <li>+ ENG101 First-Year Composition (3) OR</li> <li>+ ENG107 First-Year Composition for ESL (3) AND</li> <li>+ ENG102 First-Year Composition (3) OR</li> <li>+ ENG108 First-Year Composition for ESL (3) 6</li> </ul>   |                       |
| <hr/>  |                       |
| <b>Oral Communication</b>  | <b>Credits: 3</b>     |
| Any approved general education course from the Oral Communication area.  |                       |
| <hr/>  |                       |
| <b>Critical Reading</b>  | <b>Credits: 0-3</b>   |
| <ul style="list-style-type: none"> <li>+ CRE101 College Critical Reading and Critical Thinking (3) OR</li> <li>Equivalent as indicated by assessment (0) 0-3</li> </ul>  |                       |
| <hr/>  |                       |
| <b>Mathematics</b>   | <b>Credits: 3-6</b>   |
| Any approved general education course in the Mathematics Area.   |                       |
| <p>(MAT140, MAT141, MAT142, MAT145, MAT146 College Mathematics) OR (MAT150, MAT151, MAT152, MAT155, MAT156 College Algebra/Functions) OR higher math course with the Mathematical Applications [MA] general education designation recommended for students intending to transfer to a four-year institution.</p> |                       |

MAT187 Precalculus is recommended for students intending to transfer to ASU (Tempe campus) to earn a BS in Graphic Information Technology.

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**General Education Distribution**

**Credits: 10**

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**Humanities, Arts and Design**

**Credits: 3**

Any approved general education course from the Humanities, Arts and Design area

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**Social-Behavioral Sciences**

**Credits: 3**

Any approved general education course from the Social-Behavioral Sciences area.

PSY101 Introduction to Psychology is recommended for students intending to transfer to ASU (Polytechnic campus) to earn a BS in Technical Communication (User Experience) or to ASU (Tempe campus) to earn a BS in Graphic Information Technology.

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**Natural Sciences**

**Credits: 4**

Any approved general education course from the Natural Sciences area

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Web Development

|  |   |
|--|---|
| Major: <b>5988</b>   | Initiating College: <b>Mesa Community College</b>               |
| First Term: <b>2021 Fall</b>   | Program Availability: <b>CG, EM, GC, GW, MC, PC, PV, SC, SM</b> |
| Final Term: <b>Current</b>   | Field of Interest: <b>Computer and Information Technology</b>   |
| Award: <b>CCL</b>  | Instructional Council: <b>Computer Information Systems (12)</b> |
| Total Credits: <b>39</b>   | GPA: <b>2.0</b>   |
| CIP Code: <b>11.0801</b>   |   |
| SOC Code: <b>Upon completion of this certificate, students may pursue a career as:</b> |   |
| <b>15-1254.00 Web Developers</b>   |   |
| <b>15-1252.00 Software Developers</b>  |   |

**Description:** The Certificate of Completion (CCL) in Web Development prepares students to create and administer interactive and professional websites. The program provides students with knowledge and skills in developing dynamic websites, client and server side programs, database structures, and object-oriented design. A Certificate of Completion (CCL) in Web Design and an Associate in Applied Science (AAS) in Web Design/Development are also available.

### Learning Outcomes

1. Design websites using knowledge of computer information systems, including security, computer concepts, web delivery system architecture, and file management. (CIS105, CIS119DO, CIS126DL, CIS126RH, CIS133DA, CIS136, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++)
2. Research, plan, design, develop, test, publish, and maintain websites. (CIS105, CIS119DO, CIS120DF, CIS126RH, CIS133DA, CIS136, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++)
3. Create complex websites using current standards in Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and Javascript. (CIS105, CIS119DO, CIS133DA, CIS150AB, CIS166AA, CIS166AE, CIS233DA, )
4. Research and utilize best practices in user interface, user experience, accessibility and search engine optimization to build complex websites. (CIS119DO, CIS120DF, CIS133DA, CIS136, CIS166AE, CIS233DA)
5. Design and implement e-commerce solutions. (CIS105, CIS119DO, CIS120DF, CIS133DA, CIS136, CIS150AB, CIS166AA, CIS166AE, CIS233DA, CIS235)
6. Construct a website using a content management system. (CIS120DF, CIS133DA, CIS136, CIS166AA, CIS166AE, CIS233DA)
7. Apply project management skills to prioritize projects and meet deadlines. (CIS120DF, CIS136, CIS166AA, CIS235)
8. Adhere to industry accepted professional, legal, and ethical practices. (CIS105, CIS120DF, CIS133DA, CIS136, CIS233DA, CIS235)
9. Communicate professionally in formal and informal situations to diverse audiences. (CIS105,

CIS120DF, CIS133DA, CIS136, CIS166AA, CIS233DA, CIS235)

10. Collaborate with others to address web design challenges. (CIS133DA, CIS233DA, CIS235)

11. Design websites using knowledge of programming. (CIS105, CIS133DA, CIS136, CIS150AB, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS256, CIS262AD, CIS263AA, CIS265++)

12. Manipulate digital media content. (CIS120DF)

13. Develop and deploy secure database solutions that use web-based protocols. (CIS119DO, CIS276++)

14. Implement security solutions to diminish or counter threats against web delivery systems. (CIS119DO, CIS126RH, CIS133DA, CIS156, CIS159, CIS162++, CIS163AA, CIS165++, CIS166AA, CIS166AE, CIS233DA, CIS235, CIS262AD, CIS263AA, CIS265++, CIS276++)

15. Use server-side scripting languages to create secure, dynamic web pages. (CIS133DA, CIS166AE, CIS233DA)

### Program Notes

Students must earn a grade of C or better in each course in the program.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

**This program replaces:**

[CCL/5051 Web Developer](#)

[CCL/5060 Web Developer](#)

[CCL/5168 Web Development and Graphic Design](#)

[CCL/5346 Web Development](#)

**Program Prerequisites: None**

### Required Courses

The following courses are required and included in the CCL in Web Foundations:

**Credits:  
36**

CIS105 Survey of Computer Information Systems 3

CIS120DF Introduction to Adobe Photoshop 3

CIS133DA Internet/Web Development Level I 3

CIS136 Content Management Systems: WordPress 3

+ CIS166AA Introduction to Javascript 3

+ CIS233DA Internet/Web Development Level II 3

+ CIS235 e-Commerce 3

The following courses are required for the CCL in Web Development:

+ CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP) 3

+ CIS119DO Introduction to Oracle: SQL (3) OR

+ CIS276++ Any Database Management Systems course (3) 3

CIS126DL Linux Operating System (3) OR

CIS126RH Red Hat System Administration I (3) 3

Programming Language: Select two courses for a total of 6 credits

+ CIS150AB Object-Oriented Programming Fundamentals 3

- + CIS156 Python Programming: Level I 3
- + CIS159 Visual Basic Programming I 3
- + CIS162++ Any C Programming course 3
- + CIS163AA Java Programming: Level I 3
- + CIS165++ Any Mobile Application Development course 3
- + CIS256 Python Programming: Level II 3
- + CIS262AD C# Level II 3
- + CIS263AA Java Programming: Level II 3
- + CIS265++ Any Advanced Application Development course 3

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### Restricted Electives

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Students should select any course with a CIS prefix in consultation with their program advisor to further develop skills in the areas of Databases, Information Systems, Programming, and/or Operating Systems. 3

**Credits:**  
**3**

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+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: February 23, 2021

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## Web Foundations

Major: **5984** Primary College: **Mesa Community College**  
 First Term: **2021 Fall** Program Availability: **CG EM GC MC PC PV RS SC SM**  
 Final Term: **Current** Field of Interest: **Computer and Information Technology**

Award: **CCL** Instructional Council: **Computer Information Systems (12)**  
 Total Credits: **21** GPA: **2.0**  
 CIP Code: **11.0801**

SOC Code: **Upon completion of this certificate, students may pursue a career as:**  
**15-1254.00 Web Developers**  
**15-1255.00 Web and Digital Interface Designers**

**Description:** The Certificate of Completion (CCL) in Web Foundations introduces students to designing and developing web pages. This CCL prepares students for entry level web positions. Certificates of Completion (CCL) in Web Design and Web Development are available. An Associate in Applied Science (AAS) degree in Web Design/Development is also available.

### Learning Outcomes

1. Integrate knowledge of computer information systems, including security, computer concepts, web delivery system architecture, and file management in web design. (CIS105, CIS133DA, CIS136, CIS166AA, CIS233DA, CIS235)
2. Explain the web development life cycle including the planning, designing, developing, testing, publishing, and maintaining of websites. (CIS133DA, CIS136, CIS166AA, CIS233DA, CIS235)
3. Create basic websites using current standards in Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and Javascript. (CIS105, CIS133DA, CIS166AA, CIS233DA)
4. Utilize best practices in user interaction, user experience, accessibility and search engine optimization to build basic websites. (CIS133DA, CIS136, CIS166AA, CIS233DA)
5. Design and implement e-commerce solutions. (CIS105, CIS235)
6. Manipulate digital media content. (CIS120DF, CIS136, CIS220DF)
7. Construct a website using a content management system. (CIS136)
8. Prioritize projects and meet deadlines. (CIS120DF, CIS136, CIS166AA, CIS220DF, CIS235)
9. Demonstrate industry accepted professional, legal, and ethical practices. (CIS105, CIS120DF, CIS133DA, CIS136, CIS233DA, CIS235)
10. Communicate professionally in formal and informal situations. (CIS105, CIS120DF, CIS133DA, CIS136, CIS166AA, CIS233DA, CIS235)
11. Explain the need for collaboration in the web industry. (CIS133DA, CIS233DA)

### Program Notes

Students must earn a grade of C or better in each course in the program.  
 Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

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**Program Prerequisites: None**

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**Required Courses**

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CIS105 Survey of Computer Information Systems 3  
CIS120DF Adobe Photoshop Level I: Digital Imaging 3  
CIS133DA Internet/Web Development Level I 3  
CIS136 Content Management Systems: WordPress 3  
+ CIS166AA Introduction to Javascript 3  
+ CIS233DA Internet/Web Development Level II 3  
+ CIS235 e-Commerce 3

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**Credits: 21**

+ indicates course has prerequisites and/or corequisites.

++ indicates that any suffixed course may be selected.

MCCCD Governing Board Approval Date: December 10, 2019

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Fre All information published is subject to change without notice. Every effort has been made to ensure the accuracy of information presented, but based on the dynamic nature of the curricular process, course and program information is subject to change in order to reflect the most current information available.

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**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD**

**INSTITUTION**

**DESCRIPTION**

The Maricopa County Community College Field of Interest Matrix identifies all awards currently available for offering within the ten (10) community colleges and skill centers of the district. The awards are grouped under Field of Interest as requested by the colleges. For specific information regarding individual awards, contact the college(s) listed as participating institutions.

**Applied Technology**

|  |            |
|--|------------|
| Air Conditioning and Electrical Accessories                              | GW         |
| Air Conditioning/Refrigeration/Facilities                                | GW         |
| Aircraft Maintenance Technology  | CG         |
| Aircraft Maintenance Technology-Airframe                                 | CG         |
| Aircraft Maintenance Technology-Powerplant                               | CG         |
| Airway Science Technology, Flight Emphasis                               | CG         |
| Applied Electrical Technologies  | RS         |
| Architectural and Civil CAD Technology                                   | GC         |
| Architectural Technology   | SC         |
| Automated Industrial Technology  | EM, MC     |
| Automated Industrial Technology I  | EM, MC     |
| Automated Industrial Technology II                                       | EM, MC     |
| Automotive Automatic Transmission and Transaxle                          | GC, GW, MC |
| Automotive Brake Systems   | GC, GW, MC |
| Automotive Chassis   | GC, GW, MC |
| Automotive Drive Train   | GC, GW, MC |
| Automotive Electrical, Heating, Ventilation and Air Conditioning Systems | GC, GW, MC |



**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u> |
|--|--------------------|
| Automotive Electronic/Electrical Systems                     | GC, GW, MC         |
| Automotive Engine Performance                                | GC, GW, MC         |
| Automotive Engine Repair                                     | GC, GW, MC         |
| Automotive Engine Repair and Performance                     | GC, GW, MC         |
| Automotive Heating, Ventilation and Air Conditioning Systems | GC, GW, MC         |
| Automotive Maintenance and Light Repair                      | GC, GW, MC         |
| Automotive Manual Drive Train and Axles                      | GC, GW, MC         |
| Automotive Service   | GC, GW, MC         |
| Automotive Steering and Suspension                           | GC, GW, MC         |
| Basic Automotive Maintenance                                 | RS                 |
| Brakes, Alignment, Suspension and Steering                   | MC                 |
| Building Inspection  | GW, MC             |
| Cable and Wire Harness Assembly                              | MC                 |
| CAD Application  | GC                 |
| CAD Fundamentals   | GC                 |
| Carpenter Apprenticeship                                     | GW                 |
| Caterpillar Technician Training                              | MC                 |
| Certified Flight Instructor Instrument Airplane Rating       | CG                 |
| CNC Machine Operator   | GW, MC             |
| CNC Machine Operator (Day)                                   | GW                 |
| CNC Machine Operator (Night)                                 | GW                 |
| CNC Machining I  | GW, MC             |
| CNC Machining I (Day)  | GW                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>  | <u>INSTITUTION</u> |
|---|--------------------|
| CNC Machining I (Night)   | GW                 |
| CNC Machining II  | GW, MC             |
| CNC Machinist (Day)   | GW                 |
| CNC Machinist (Night)   | GW                 |
| Collision Repair Technician (Day)                                 | GW                 |
| Collision Repair Technician (Night)                               | GW                 |
| Computer Aided Drafting   | MC                 |
| Construction Building Codes                                       | MC                 |
| Construction Management   | MC                 |
| Construction Safety OSHA 30                                       | MC                 |
| Construction Technology   | MC, SM             |
| Construction Trades - Mechanical Trades: Pipefitting              | GW                 |
| Construction Trades - Mechanical Trades: Plumbing                 | GW                 |
| Construction Trades - Mechanical Trades: Sheet Metal              | GW                 |
| Construction Trades: Carpentry                                    | GW, MC, RS, SM     |
| Construction Trades: Carpentry, Commercial and Residential        | MC, RS, SM         |
| Construction Trades: Carpentry, Commercial and Residential (Day)  | GW                 |
| Construction Trades: Construction Management                      | GW, MC             |
| Construction Trades: Electrical                                   | MC, RS, SM         |
| Construction Trades: Electrical (Day)                             | GW                 |
| Construction Trades: Electrical (Night)                           | GW                 |
| Construction Trades: Electrical, Commercial and Residential       | MC, RS, SM         |
| Construction Trades: Electrical, Commercial and Residential (Day) | GW                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>  | <u>INSTITUTION</u> |
|---|--------------------|
| Construction Trades: Electrical, Commercial and Residential (Night) | GW                 |
| Construction Trades: Electricity                                    | GW                 |
| Construction Trades: Heat and Frost Insulation                      | GW                 |
| Construction Trades: Ironworking                                    | GW                 |
| Construction Trades: Millwrighting                                  | GW                 |
| Construction Trades: Painting and Drywalling                        | GW                 |
| Construction Trades: Plumbing                                       | GW, MC, RS, SM     |
| Construction Trades: Plumbing, Commercial and Residential           | GW, MC, RS, SM     |
| Construction Trades: Pre-Apprenticeship                             | GW                 |
| Drafting and Design Technology                                      | MC                 |
| Electric Utility Technology   | CG                 |
| Electrical Installer (Day)  | GW                 |
| Electrical Installer (Night)  | GW                 |
| Electrical Systems Technology                                       | EM                 |
| Electrical Technician (Day)   | GW                 |
| Electrical Technician (Night)                                       | GW                 |
| Electrical Technology   | GW                 |
| Electrical Technology - Commercial Wiring                           | GW                 |
| Electrical Technology - Industrial Wiring                           | GW                 |
| Electrical Technology: Residential Wiring                           | GW                 |
| Energy and Industrial Technology                                    | EM                 |
| Engine Performance and Diagnosis                                    | GW                 |
| Environmental Science and Water Resources Technologies              | GW                 |

**Maricopa Community Colleges  
 Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u> |
|--|--------------------|
| Environmental Science Technology                             | GW                 |
| HVAC Commercial Installation and Service Technician          | GW                 |
| HVAC Residential Installation and Service Technician         | GW                 |
| HVAC Residential Installation and Service Technician (Day)   | GW                 |
| HVAC Residential Installation and Service Technician (Night) | GW                 |
| HVAC Technician (Night)                                      | GW                 |
| Industrial Design Technology                                 | GW                 |
| Industrial Design Technology: Design Specialist              | GW                 |
| International Residential Code                               | MC                 |
| J-STD Soldering Certification                                | MC                 |
| Lineman Technology Level I                                   | RS                 |
| Lineman Technology Level II                                  | RS                 |
| Lineman Technology Level III                                 | RS                 |
| Lineman Technology Level IV                                  | RS                 |
| Maintenance Technician: Apartments                           | GW                 |
| Manufacturing Production Technology                          | MC                 |
| Mechanical Drafting  | MC                 |
| Mechanical Systems Technology                                | EM                 |
| Millwrighting  | GW                 |
| Nanotechnology   | RS                 |
| Nuclear Power Technology                                     | EM                 |
| Power Systems Technology                                     | EM                 |
| Quality Assurance  | GW                 |

**Maricopa Community Colleges  
 Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u> |
|--|--------------------|
| Salt River Project Relay Apprentice                                      | MC                 |
| Unmanned Aircraft Systems  | CG                 |
| Water and Wastewater Treatment   | GW                 |
| Welding  | MC                 |
| Welding: Combination (Day)   | GW                 |
| Welding: Combination (Night)   | GW                 |
| Welding: Fundamentals  | MC                 |
| Welding: Fundamentals (Day)  | GW                 |
| Welding: Fundamentals (Night)  | GW                 |
| Welding: Gas Metal / Flux Cored Arc Welding (GMAW)/(FCAW)                | MC                 |
| Welding: Gas Tungsten Arc Welding (GTAW) Ferrous                         | MC                 |
| Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous (Day)   | GW                 |
| Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous (Night) | GW                 |
| Welding: Gas Tungsten Arc Welding (GTAW) Non-Ferrous                     | MC                 |
| Welding: Pipe and Plate (Day)  | GW                 |
| Welding: Pipe and Plate (Night)  | GW                 |
| Welding: Shielded Metal Arc Welding (SMAW) (Day)                         | GW                 |
| Welding: Shielded Metal Arc Welding (SMAW) (Night)                       | GW                 |
| Welding: Shielded Metal Arc Welding (SMAW) Pipe                          | MC                 |
| Welding: Shielded Metal Arc Welding (SMAW) Pipe (Day)                    | GW                 |
| Welding: Shielded Metal Arc Welding (SMAW) Pipe (Night)                  | GW                 |
| Welding: Shielded Metal Arc Welding (SMAW) Plate                         | MC                 |
| Welding: TIG (GTAW) (Day)  | GW                 |

**Maricopa Community Colleges  
 Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>          | <u>INSTITUTION</u> |
|-----------------------------|--------------------|
| Welding: TIG (GTAW) (Night) | GW                 |

**Behavioral Science and Human Services**

|   |  |
|---|--|
| Addictions and Substance Use Disorders                                      | RS                                     |
| Addictions and Substance Use Disorders Level I                              | RS                                     |
| Addictions and Substance Use Disorders Level II                             | RS                                     |
| Administration of Justice   | CG, EM, GC, MC, PC, PV, RS, SC, SM     |
| Administration of Justice Studies   | CG, EM, GC, MC, PC, PV, RS, SC, SM     |
| Adolescent Studies  | PC                                     |
| Advanced Behavioral Health Sciences   | GC, SM                                 |
| Advanced Corrections and Detention  | RS                                     |
| Advanced Juvenile Corrections   | RS                                     |
| Associate in Arts, Emphasis in Counseling and Applied Psychological Science | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Criminal Justice                             | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Family Life Education                        | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Law and Policy                               | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Political Science                            | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Psychology                                   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Social Work                                  | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Basic Behavioral Health Sciences  | GC, SM                                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u>                 |
|--|------------------------------------|
| Basic Corrections  | RS                                 |
| Basic Detention  | RS                                 |
| Behavioral Sciences  | GC, SM                             |
| Child and Family Organizations Management and Administration | GC, RS                             |
| Community Emergency Response Team (CERT): Level I            | PC                                 |
| Corrections  | CG, EM, GC, MC, PC, PV, RS, SC, SM |
| Corrections and Detention                                    | RS                                 |
| Crime Scene Investigation                                    | CG, GC, MC, PC, PV, SC, SM         |
| Developmental Disabilities Specialist                        | GC                                 |
| Driver Operator  | GC, MC, PC, PV                     |
| Emergency Communications                                     | RS                                 |
| Emergency Communications and Deployment                      | PC                                 |
| Emergency Management   | GC, MC, PC, PV                     |
| Fingerprint Identification and Photography                   | CG, GC, MC, PC, PV, SC, SM         |
| Fire Science   | GC, MC, PC, PV                     |
| Fire Service Management                                      | GC, MC, PC, PV                     |
| Firefighter Operations                                       | GC, MC, PC, PV                     |
| Forensic Science   | CG, GC, MC, PC, PV, SC, SM         |
| Hazardous Materials Response                                 | PC                                 |
| Homeland Security  | CG, GC, GW, MC, PC, PV, RS, SM     |
| Human Services - Specialist: Customer Service                | RS                                 |
| Human Services - Unemployment Insurance: Customer Service    | RS                                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                                       | <u>INSTITUTION</u>                 |
|--|------------------------------------|
| Human Services-Assistance: Public Assistance Eligibility | RS                                 |
| Juvenile Corrections                                     | RS                                 |
| Law Enforcement  | CG, EM, GC, MC, PC, PV, RS, SC, SM |
| Law Enforcement Field Training                           | RS                                 |
| Law Enforcement Investigation                            | GC, RS                             |
| Law Enforcement Training                                 | CG, GC, RS                         |
| Law Enforcement Training Academy                         | CG, GC, RS                         |
| Leadership Development, Level I                          | PV                                 |
| Leadership Development, Level II                         | PV                                 |
| Leadership in Public Safety Organizations                | CG, GC, MC, PC                     |
| Legal Studies  | CG, EM, GC, MC, PC, PV, RS, SM     |
| Non-Sworn Fire Service Professional                      | GC, MC, PC, PV                     |
| Paralegal  | RS                                 |
| Paralegal Studies  | PC                                 |
| Professional Addictions Counseling                       | RS                                 |
| Public Safety Leadership                                 | RS                                 |
| Public Safety Technology                                 | RS                                 |
| Search Warrant Preparation                               | RS                                 |
| Stage Combat   | PV                                 |
| Substance Use Prevention and Interventions               | RS                                 |
| Terrorism Liaison Training                               | PC                                 |
| Victimology  | CG, GC, MC, PC, PV, RS, SM         |



**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD** **INSTITUTION**

|  |    |
|--|----|
| Workforce Development and Community Re-Entry                                 | RS |
| Workforce Development: Foundations in Addictions and Substance Use Disorders | RS |

**Business, Entrepreneurialism, and Management**

|   |  |
|---|--|
| Accounting  | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Administrative Professional                             | CG, EM, GC, GW, MC, PC, PV, SM         |
| Airline Operations                                      | RS                                     |
| Airline Operations: Reservations and Ticketing Services | RS                                     |
| Apprentice Meat Cutter                                  | GW                                     |
| Associate in Business, General Requirements (ABUS-GR)   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Business, Special Requirements (ABUS-SR)   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Automobile Insurance Claims: Customer Service           | RS                                     |
| Automobile Insurance: Customer Service                  | RS                                     |
| Automobile Insurance: Policy Services                   | RS                                     |
| Automobile Insurance: Sales                             | RS                                     |
| Automobile Insurance: Sales Service                     | RS                                     |
| Bank Account Management: Customer Service               | RS                                     |
| Banking and Finance                                     | GW, PC                                 |
| Beauty and Wellness                                     | GW, MC                                 |
| Broadband Telecommunications                            | RS                                     |
| Broadband Telecommunications: Field Operations          | RS                                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                        | <u>INSTITUTION</u>                     |
|---|--|
| Business Administration Fastrack          | CG, GC, MC, PC, SC                     |
| Business Technology Specialist            | GW                                     |
| Commercial Baking and Pastry              | EM, PC, SC                             |
| Court Reporting: Judicial                 | GW                                     |
| Credit Counseling: Customer Service       | RS                                     |
| Culinary Arts                             | EM, SC                                 |
| Culinary Arts I                           | EM, SC                                 |
| Culinary Arts II                          | EM, SC                                 |
| Culinary Fundamentals                     | SC, SM                                 |
| Debt Resolution: Customer Service         | RS                                     |
| Debt Resolution: Sales                    | RS                                     |
| Enrolled Agent                            | CG, GC, GW, MC, PC, PV, RS, SC, SM     |
| Entrepreneurial Studies Level I           | GC, GW, MC, PC, PV, RS, SC, SM         |
| Entrepreneurial Studies Level II          | GC, GW, MC, PC, PV, RS, SC, SM         |
| Fashion Merchandising                     | MC, PC                                 |
| Financial Industry                        | GW                                     |
| General Business                          | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Health Care Insurance: Customer Service   | RS                                     |
| Hospitality: Golf Management              | SC                                     |
| Hospitality: Hotel Management             | SC                                     |
| Hospitality: Meeting and Event Management | SC                                     |
| Hospitality: Restaurant Management        | SC                                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <b><u>AREAS/AWARD</u></b>                       | <b><u>INSTITUTION</u></b>              |
|---|--|
| Hospitality: Spa and Wellness Center Management | SC                                     |
| Hospitality: Tourism Development and Management | SC                                     |
| Human Resources Management                      | CG, GC, GW, MC, PC, RS, SC, SM         |
| Insurance: Customer Service                     | RS                                     |
| Licensed Residential Appraiser                  | MC                                     |
| Management                                      | CG, GC, GW, MC, PC, PV, RS, SC, SM     |
| Marketing                                       | GC, GW, MC, PC, PV, SC, SM             |
| Marketing and Sales                             | GC, GW, MC, PC, PV, SC                 |
| Motor Vehicle: Customer Service                 | RS                                     |
| Organizational Leadership                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Organizational Management                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Personal Loans: Customer Service                | RS                                     |
| Project Management                              | MC                                     |
| Property Insurance: Customer Service            | RS                                     |
| Public Administration                           | RS                                     |
| Public Administration: Legal Services           | RS                                     |
| Public Relations                                | MC                                     |
| Quality Customer Service                        | RS                                     |
| Real Estate: Prelicense                         | GC, MC, PV, RS, SC, SM                 |
| Residential Appraisal Trainee                   | MC                                     |
| Retail Management                               | CG, EM, GC, GW, MC, PC, RS, SC, SM     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                | <u>INSTITUTION</u>                 |
|-----------------------------------|------------------------------------|
| Retail Pharmacy: Customer Service | RS                                 |
| Risk Management and Insurance     | CG, GC, GW, MC, RS, SC             |
| Securities Industry Essentials    | CG, GW, MC, PC, PV, SC, SM         |
| Small Business Management II      | GC, GW, MC, PC, RS, SM             |
| Small Business Management Level I | EM, GC, GW, MC, PC, RS, SM         |
| Small Business Start-Up           | CG, PV                             |
| Social Media Marketing            | CG, EM, GC, GW, MC, PC, PV, SC, SM |
| Utilities: Customer Service       | RS                                 |
| Water Services: Customer Service  | RS                                 |

**Computer and Information Technology**

|  |  |
|--|--|
| Adobe Foundations: Animation and Graphics Production | CG, GC, MC, PV, SM                     |
| Adobe Foundations: Audio and Video Production        | MC, SM                                 |
| Amazon Web Services Cloud Associate                  | CG, GC, GW, MC, PC, PV, SC, SM         |
| Amazon Web Services Cloud Practitioner               | CG, EM, GC, GW, MC, PC, PV, SC, SM     |
| Amazon Web Services Cloud Specialist                 | CG, GC, GW, MC, PC, PV, SC, SM         |
| Android App Development                              | CG, GW, MC, PC, PV, RS, SM             |
| Associate in Science, Emphasis in Computer Science   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u>                     |
|--|--|
| Cisco Certified Network Professional: Enterprise                               | CG, EM, GC, GW, MC, PV, SC, SM         |
| Cisco Certified Network Professional: Enterprise Advanced Routing and Services | CG, EM, GC, GW, MC, PV, SC, SM         |
| Cisco Certified Network Professional: Enterprise Core                          | CG, EM, GC, GW, MC, PV, SC, SM         |
| Cisco Network Administration and Security                                      | CG, EM, GC, GW, MC, PV, SC, SM         |
| Cisco Network Administration: CCNA   | CG, EM, GC, GW, MC, PV, SC, SM         |
| Cisco Network Administration: CCNP   | CG, EM, GC, GW, MC, PV, SC, SM         |
| CompTIA A+ Certification Prep  | GW                                     |
| CompTIA Security+ Certification Prep   | GW                                     |
| Computer Support Specialist (Day)  | GW                                     |
| Computer Support Specialist (Night)  | GW                                     |
| Computer System Configuration and Support                                      | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Computer System Configuration and Support, Linux                               | CG, EM, GC, GW, MC, PC, PV, SC, SM     |
| Computer System Configuration and Support, Network                             | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Computer System Configuration and Support, Security                            | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Critical Infrastructure  | EM, GC                                 |
| Cross-Platform App Development   | GW, MC, PC, PV, RS, SM                 |
| Cyber Engineering  | CG, EM, GC, MC, PC, PV, RS, SC, SM     |
| Cyber Operations   | CG, EM, GC, GW, MC, PV, SM             |
| Cybersecurity  | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <b><u>AREAS/AWARD</u></b>             | <b><u>INSTITUTION</u></b>              |
|---------------------------------------|--|
| Cybersecurity Fundamentals            | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Data Analytics                        | EM, GW, MC, PV, RS, SC                 |
| Database Development                  | EM, MC, SC                             |
| Desktop Support                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Foundations of Mobile App Development | MC, PC, PV, RS, SM                     |
| Information Security                  | GC                                     |
| Information Security Technology       | GC                                     |
| Information Technology                | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| iOS App Development                   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| IT Security Associate                 | EM                                     |
| Linux Associate                       | CG, EM, GC, GW, MC, PC, PV, SC, SM     |
| Linux System Administration           | CG, EM, GC, GW, MC, PC, PV, SC, SM     |
| Microsoft Desktop Associate           | CG, EM, GC, GW, MC, PC, PV, SC, SM     |
| Microsoft Office Professional         | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Microsoft Office Specialist           | CG, EM, GC, GW, MC, PV, RS, SC, SM     |
| Microsoft System Administration       | CG, EM, GC, GW, MC, PC, PV             |
| Mobile App Development                | MC, PC, PV, RS, SC, SM                 |
| Native Mobile App Development         | GW, MC, PC, PV, RS, SM                 |
| Network and Cyber Fundamentals        | GW                                     |
| Network and Systems Administration    | CG, EM, GC, GW, MC, PC, PV, SC, SM     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                          | <u>INSTITUTION</u>                 |
|---|------------------------------------|
| Network Specialist (Day)                    | GW                                 |
| Network Specialist (Night)                  | GW                                 |
| Network Support Specialist                  | GW                                 |
| Network Support Technician                  | GW                                 |
| Oracle Database Operations                  | CG                                 |
| Programming                                 | EM, RS, SM                         |
| Programming and Systems Analysis            | CG, EM, GC, MC, PC, PV, RS, SC     |
| Programming and Systems Analysis Level I    | CG, EM, GC, MC, PC, PV, RS, SC     |
| Programming and Systems Analysis Level II   | CG, EM, GC, MC, PC, PV, RS, SC     |
| Red Hat Linux Administrator                 | CG, EM, GC, GW, MC, PC, PV, SC, SM |
| Red Hat Linux Engineer                      | CG, EM, GC, GW, MC, PC, PV, SC, SM |
| Security Specialist                         | GW                                 |
| Video Game Production                       | GC, MC, PV                         |
| Video Game Production: Audio and Sound      | GC, MC, PV                         |
| Video Game Production: Coding and Scripting | GC, MC, PV                         |
| Video Game Production: Game Art             | GC, MC, PV                         |
| Video Game Production: Game Narrative       | GC, MC, PV                         |
| VMware Foundations                          | EM, GC, GW, MC, PC, PV, SC         |
| VMware Network Administrator                | CG, EM, GC, MC, PV                 |
| VMware Systems Administrator                | EM, GC, GW, MC, PC, PV, SC         |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>      | <u>INSTITUTION</u>                 |
|-------------------------|------------------------------------|
| Web App Development     | CG, GC, GW, MC, PC, PV, RS, SC, SM |
| Web Design              | CG, EM, GC, MC, PV, RS, SC, SM     |
| Web Design/Development  | CG, EM, GC, MC, PC, PV, RS, SC, SM |
| Web Development         | CG, EM, GC, GW, MC, PC, PV, SC, SM |
| Web Foundations         | CG, EM, GC, MC, PC, PV, RS, SC, SM |
| Windows App Development | GW, MC, PC, PV, RS, SM             |

**Culture and Society**

|   |  |
|---|--|
| African-American Studies                                  | MC                                     |
| American Indian Studies                                   | MC, PC, SC                             |
| Applied Storytelling                                      | EM, SM                                 |
| Associate in Arts, Emphasis in American Indian Studies    | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Anthropology               | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Communication              | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Economics                  | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in English (Creative Writing) | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in English (Literature)       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in History                    | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |



**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>  | <u>INSTITUTION</u>                     |
|---|--|
| Associate in Arts, Emphasis in Humanities                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Information Studies and eSociety | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Japanese                         | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Philosophy                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Religious Studies                | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Sociology                        | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Spanish                          | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Women and Gender Studies         | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Chicana and Chicano Studies                                     | GC, PC                                 |
| Communication Competence in the Workplace                       | GC, MC                                 |
| Communication Skills for Non-Native English Speakers            | GC, MC                                 |
| Creative Writing  | CG, EM, GC, MC, PC, PV, RS, SC         |
| Deaf Studies  | PC                                     |
| Foundations of Storytelling                                     | EM, SM                                 |
| Global Citizenship  | MC                                     |
| International Studies   | PC                                     |
| Interpreter Preparation   | PC                                     |
| Journalism and New Media Studies                                | GC, MC                                 |
| Language and Literary Culture of the USA                        | RS                                     |
| Language Studies  | CG, GC, MC, RS                         |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u> |
|--|--------------------|
| Oral Communication Fluency for Non-Native English Speakers | GC, MC             |
| Southwest Studies  | PC                 |
| Spanish Language and Culture                               | CG, MC, RS         |
| Sustainability and Ecological Literacy                     | EM, RS, SM         |
| Sustaining and Advancing Indigenous Nations                | SC                 |
| Traditional and Fact-Based Storytelling                    | EM, SM             |
| Women and Gender Studies                                   | CG, MC             |

**Education**

|  |  |
|--|--|
| Associate in Arts, Elementary Education (AAEE)                     | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Early Childhood Education           | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Educational Studies Early Childhood | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Secondary Education                 | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Secondary Education              | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Early Childhood Education  | CG, EM, GC, MC, PC, PV, RS, SM         |
| Foundations of Early Childhood Education                           | CG, EM, GC, MC, PC, PV, RS, SM         |
| Gifted Education   | EM                                     |
| Instructional Assistance   | MC, SM                                 |
| K-12 eLearning Design  | RS                                     |
| K-12 Online Teaching   | RS                                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD**

**INSTITUTION**

**Health Sciences**

|   |  |
|---|--|
| Aesthetician (24 Hours Per Week)                          | GW                                     |
| Aesthetics Instructor                                     | GW                                     |
| Associate in Arts, Emphasis in Exercise Science           | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Nutritional Science        | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Speech and Hearing Science | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Community Dental Health Coordination                      | RS                                     |
| Community Health Paramedicine                             | GC, MC, PC, PV                         |
| Computed Tomography                                       | GW                                     |
| Cosmetologist (20 Hours Per Week)                         | GW                                     |
| Cosmetologist (32 Hours Per Week)                         | GW                                     |
| Cosmetologist (High School)                               | GW                                     |
| Cosmetology Instructor                                    | GW                                     |
| Critical Care Paramedicine                                | GC, MC, PC, PV                         |
| Dental Assisting  | PC                                     |
| Dental Hygiene  | MC, PC, RS                             |
| Diagnostic Medical Sonography                             | GW                                     |
| Electrocardiogram (ECG) Technician                        | GW                                     |
| Electroneurodiagnostic (END) Technology                   | GW                                     |
| Emergency Medical Services and Fire Preparatory Academy   | GW                                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                                       | <u>INSTITUTION</u>     |
|--|------------------------|
| Emergency Medical Technology                             | CG, GC, MC, PC, PV     |
| Emergency Medical Technology (EMT)                       | GW                     |
| Emergency Medical Technology (EMT) (High School)         | GW                     |
| Emergency Medical Technology Comprehensive               | CG, GC, MC, PC, PV     |
| Exercise Science: Health, Fitness and Sports Performance | CG, GC, MC, PV, SC, SM |
| Fast Track Practical Nursing                             | GW                     |
| Foundations of Sports Medicine                           | RS                     |
| Group Fitness Instructor                                 | MC                     |
| Hair Stylist (20 Hours Per Week)                         | GW                     |
| Hair Stylist (32 Hours Per Week)                         | GW                     |
| Health Information Technology                            | PC                     |
| Health Information: Long Term Care Settings              | PC                     |
| Health Services Management                               | GW                     |
| Health Unit Coordinating/Patient Care Associate          | GW                     |
| Healthcare Regulatory Compliance                         | GW                     |
| Healthcare Technology Systems                            | GC, PV                 |
| Histologic Technology                                    | PC                     |
| Hospital Central Service Technology                      | GW                     |
| Integrated Public Health                                 | PV, SC                 |
| Integrated Public Health: Community Health Work          | PV, SC                 |
| Integrated Public Health: Health Administration          | PV                     |
| Integrated Public Health: Health Education               | PV                     |
| Integrated Public Health: Mobile Integrated Health       | PV                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                                  | <u>INSTITUTION</u>             |
|---|--------------------------------|
| Laboratory Assisting                                | PC                             |
| Magnetic Resonance Imaging                          | GW                             |
| Massage Therapy                                     | PC                             |
| Massage Therapy (24 Hours Per Week)                 | GW                             |
| Medical Administrative Assisting                    | PC                             |
| Medical Assisting                                   | PC                             |
| Medical Assisting (Day)                             | GW                             |
| Medical Assisting (Night)                           | GW                             |
| Medical Billing and Coding: Physician Based (Day)   | GW                             |
| Medical Billing and Coding: Physician Based (Night) | GW                             |
| Medical Billing and Coding: Physician-Based         | PC                             |
| Medical Coding: Hospital-Based                      | PC                             |
| Medical Interpreter - Spanish (12 Hours Per Week)   | GW                             |
| Medical Interpreter - Spanish (6 Hours Per Week)    | GW                             |
| Medical Laboratory Science                          | PC                             |
| Micro Certificate in Recreation Management          | SC                             |
| Musculoskeletal Sonography                          | GW                             |
| Nail Technician                                     | GW                             |
| Nail Technician Instructor                          | GW                             |
| Nuclear Medicine Technology                         | GW                             |
| Nurse Assisting                                     | EM, GC, GW, MC, PV             |
| Nursing   | CG, EM, GC, GW, MC, PC, PV, SC |
| Nursing Refresher                                   | GW, MC                         |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>   | <u>INSTITUTION</u>             |
|--|--------------------------------|
| Nutrition and Dietetic Technology                          | PV                             |
| Nutrition for Personal Trainers and Coaches                | SC                             |
| Occupational Therapy Assistant                             | GW                             |
| Operating Room Nursing                                     | GW                             |
| Ophthalmic Medical Administrative Assistant Apprenticeship | GW                             |
| Ophthalmic Medical Assistant                               | GW                             |
| Ophthalmic Medical Assistant Apprenticeship                | GW                             |
| Paramedicine   | GC, MC, PC, PV                 |
| Personal Trainer   | CG, GC, MC, PV, SC, SM         |
| Personal Trainer: Advanced                                 | CG, GC, MC, PV, SC, SM         |
| Pharmacy Technician  | GW                             |
| Pharmacy Technician Apprenticeship                         | GW                             |
| Phlebotomy   | PC                             |
| Phlebotomy (Day)   | GW                             |
| Phlebotomy (Night)   | GW                             |
| Physical Therapist Assisting                               | GW                             |
| Polysomnographic Technology                                | GW                             |
| Practical Nursing  | CG, EM, GC, GW, MC, PC, PV, SC |
| Radiologic Technology                                      | GW                             |
| Recreation Management                                      | SC                             |
| Respiratory Care   | GW                             |
| Spanish Interpreting for Healthcare Professionals          | GW                             |
| Speech Language Pathology Assistant                        | EM                             |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD**

**INSTITUTION**

|                                  |                |
|----------------------------------|----------------|
| Surgical Technology              | GW             |
| Sustainable Food Systems         | RS             |
| Tactical Emergency Casualty Care | GC, MC, PC, PV |
| Yoga Instruction                 | SC             |
| Yoga Therapy                     | SC             |

**Science, Technology, Engineering and Mathematics**

|   |  |
|---|--|
| Artificial Intelligence and Machine Learning                            | CG, EM                                 |
| Associate in Arts, Emphasis in Food Science and Technology              | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Geography                                | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Mathematics                              | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Emphasis in Sustainability and Environmental Studies | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Astronomy                             | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Biochemistry                          | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Biological Sciences                   | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Chemistry                             | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Engineering                           | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Geography - Meteorology               | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Science, Emphasis in Geology                               | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>  | <u>INSTITUTION</u>                     |
|---|--|
| Associate in Science, Emphasis in Physics                       | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Biomedical Equipment Technology                                 | GC, MC                                 |
| Biotechnology and Molecular Biosciences                         | GC                                     |
| Electronics Engineering Technology                              | MC                                     |
| Electronics Technology  | MC                                     |
| Engineering Technology  | EM, GC, PV, SM                         |
| Environmental and Natural Resource Conservation                 | PC                                     |
| Environmental and Natural Resource Stewardship                  | PC                                     |
| Equine Science  | SC                                     |
| Food Science and Technology I                                   | SM                                     |
| Food Science and Technology II                                  | SM                                     |
| Geospatial Technologies   | MC                                     |
| Landscape Aide  | MC                                     |
| Landscape Horticulture  | MC                                     |
| Landscape Specialist  | MC                                     |
| Mortuary Science  | CG                                     |
| Sustainability  | CG, GC, MC, PV, RS, SC, SM             |
| Sustainable Agriculture   | MC                                     |
| Veterinary Assisting  | MC                                     |
| Veterinary Technology   | MC                                     |
| Workforce Development: Introduction to Sustainable Food Systems | RS                                     |

**Visual and Performing Arts**



**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD**

**INSTITUTION**

|   |  |
|---|--|
| Alteration Specialist                                     | MC, PC                                 |
| Animation   | GC, MC, PC                             |
| Animation and Time-Based Media                            | GC, MC, PC                             |
| Apparel Construction                                      | MC, PC                                 |
| Associate in Arts, Fine Arts                              | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Fine Arts, Emphasis in Art             | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Fine Arts, Emphasis in Dance           | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Fine Arts, Emphasis in Music           | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Fine Arts, Emphasis in Musical Theatre | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Associate in Arts, Fine Arts, Emphasis in Theatre         | CG, EM, GC, GW, MC, PC, PV, RS, SC, SM |
| Audio Production Technologies                             | GC, MC, PC, PV, SC                     |
| Beginning Piano Pedagogy                                  | MC                                     |
| Ceramics  | MC                                     |
| Commercial and Freelance Photography                      | GC, PC                                 |
| Costume Design and Production, Level I                    | MC, PC                                 |
| Costume Design and Production, Level II                   | PC                                     |
| Dance Performance and Technology                          | SC                                     |
| Digital Arts: Digital Photography                         | MC                                     |
| Digital Media Arts  | GC, PC                                 |
| Disc Jockey Techniques                                    | MC, SC                                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                                   | <u>INSTITUTION</u> |
|--|--------------------|
| Disc Jockey Techniques I                             | MC, SC             |
| Disc Jockey Techniques II                            | MC, SC             |
| Documentary Film Production                          | GC                 |
| Drawing and Painting                                 | MC                 |
| Editing  | SC                 |
| Electronic Music                                     | GC, MC, PC, SC     |
| Fashion Design                                       | MC, PC             |
| Fashion Design: Entrepreneur                         | PC                 |
| Fashion Design: Level I                              | MC, PC             |
| Fashion Design: Level II                             | PC                 |
| Fashion Illustration                                 | PC                 |
| Film and Media Production                            | GC                 |
| Graphic Design                                       | MC, PC             |
| Illustration   | CG, MC, PC         |
| Illustration and Sequential Art                      | CG, MC, PC         |
| Image Consultant                                     | MC                 |
| Interior Design                                      | PC, SC             |
| Interior Design Kitchen and Bath                     | PC, SC             |
| Interior Design Professional                         | SC                 |
| Interior Design Technology                           | PC, SC             |
| Interior Design Upholstery and Soft Goods Production | PC                 |
| Interior Merchandising and Home Staging              | EM, PC, SC         |
| Intermediate Piano Pedagogy                          | MC                 |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

| <u>AREAS/AWARD</u>                                   | <u>INSTITUTION</u>     |
|--|------------------------|
| Motion Picture Production                            | SC                     |
| Motion Picture, Television, and New Media Production | SC                     |
| Music Business I                                     | GC, MC, PC, PV, SC, SM |
| Music Business II                                    | GC, MC, PC, PV, SC, SM |
| Music Industries: Music Business                     | GC, MC, PC, PV, SC, SM |
| Pattern Design, Level I                              | PC                     |
| Pattern Design, Level II                             | PC                     |
| Photography  | CG, GC, MC, PC         |
| Retail Sales Manager                                 | MC                     |
| Screenwriting  | SC                     |
| Sequential Art                                       | CG, MC, PC             |
| Technical Theatre                                    | MC, PC, SC             |
| Technical Theatre: Audio Technician                  | GC, MC, PC, PV         |
| Technical Theatre: Cosplay I                         | MC                     |
| Technical Theatre: Cosplay II                        | MC                     |
| Technical Theatre: Costuming                         | GC, MC, PC, PV         |
| Technical Theatre: Hair and Makeup                   | MC                     |
| Technical Theatre: Lighting                          | MC, PC, PV             |
| Technical Theatre: Properties                        | MC, PC, PV, SC         |
| Technical Theatre: Puppetry                          | MC, PC, PV             |
| Technical Theatre: Set/Scenic Construction           | MC, PC                 |
| Technical Theatre: Stage Crew Technician             | GC, MC, PC, PV, SC     |
| Textile and Apparel: Fashion Stylist                 | MC                     |

**Maricopa Community Colleges  
Field of Interest Matrix 2021-2022**

**AREAS/AWARD**

**INSTITUTION**

|  |        |
|--|--------|
| Time-Based Media                                 | MC, PC |
| Visual Communication                             | SC     |
| Visual Communication: Creative Branding          | SC     |
| Visual Communication: Design                     | SC     |
| Visual Communication: Digital Process Management | SC     |

# Course Descriptions

All courses are subject to change throughout the catalog year. Current course information, including descriptions, outlines, competencies, and credits can be found on the following websites. \*The Center for Curriculum and Transfer Articulation is the official repository for all MCCCDC credit courses.

## EMCC Course Catalog at:

<http://schedule.estrellamountain.edu/courses>

Provides list of courses currently being offered at Estrella Mountain Community College, including description, credits and current class offerings.

## \*Center for Curriculum and Transfer Articulation at:

[http://www.maricopa.edu/academic/ccta/curric/search\\_course.php](http://www.maricopa.edu/academic/ccta/curric/search_course.php)

Provides course search of all courses within MCCCDC, including description, outline, competencies, and credits. This is the official repository for all courses within MCCCDC.

## Search Course Bank

[List of Active Subjects](#)

[Program Search](#)

Subject/Number  
(e.g., ENG101)

Title

Only Current Courses

First Term

Final Term

Cross Reference  
(e.g., CPD150AA)

Description  
(and Course Notes)

Requisites  
(e.g., ACC111)

Governing Board Approval Date  
(e.g., m-d-yyyy or mm-dd-yyyy)

Term format:  
Year (yyyy) Spring  
Year (yyyy) Summer I  
Year (yyyy) Summer II  
Year (yyyy) Fall

Items per

# SUN System Statewide Transfer Tool

The Shared Unique Number (SUN) System is a college course numbering system designed to help Arizona students plan their education and ensure successful transfer of course credits. Enrolling in SUN courses is an easy way to plan your university transfer and save time and money while pursuing your education.

SUN courses have a unique three-letter prefix and four-digit course number that represents direct course equivalency at all Arizona public community colleges and universities. Each institution retains its original course numbers but uses the SUN to indicate commonality.

Additional information about the SUN System can be found at

<https://www.aztransfer.com/sun/>



## 6.24 Public Access and Expression on District Property [Free Expression Policy]

*Legal Reference:*

A.R.S. § 15-1864, A.R.S. § 15-1865

### SECTION 1: Definitions

- 1.1 “AR” means Administrative Regulation.
- 1.2 “BP” means Board Policy.
- 1.3 “Breach of the Peace” means seriously disruptive behavior as prohibited by Arizona’s “disorderly conduct” statute (A.R.S. §13-2904), including, but not limited to, committing acts of violence, using abusive or offensive language or gestures to any person in a manner likely to provoke immediate physical retaliation by such person, making unreasonable noise; engaging in protracted disruptive behavior to prevent a lawful meeting, gathering, or procession; and refusing to obey a lawful order to disperse.
- 1.4 “Commercial Speech” means all non-District advertising, marketing, sales, purchases, or agreements for the sale or purchase of goods or services, and all non-District solicitations of gifts of money or other goods or services by a person, groups of persons, or other entity, including charitable organizations. Commercial Speech is not Public Expression for purposes of this BP.
- 1.5 “Content Neutral” means without regard to the substance or subject matter of the Public Expression or to the viewpoint(s) expressed therein.
- 1.6 “District” means Maricopa County Community College District (MCCCD) and its associated colleges, sites, and locations, specifically Chandler-Gilbert Community College, Estrella Mountain Community College, Gateway Community College, Glendale Community College, Mesa Community College, Paradise Valley Community College, Phoenix College, Rio Salado College, Scottsdale Community College, and South Mountain Community College.
- 1.7 “District Authorized Activity” means an activity by any individual, group, or organization that has been permitted to take place on District Property by the Chancellor, Chief Operating Officer, a College President, or his/her respective designee but is not organized, initiated, aided, or supervised by the District’s administration or official organizations.
- 1.8 “District Community” means, collectively, all persons employed by, volunteering for, enrolled in classes at, or visiting the District or attending any District Sponsored Activity, including Governing Board members.
- 1.9 “District Property” means any college, building, or grounds owned, leased, operated, or controlled by the District, as well as any structures, improvements, or equipment thereon.
- 1.10 “District Sponsored Activity” means any event, activity, or endeavor officially sanctioned by the District, on-or-off District Property, that is organized, initiated, aided, or supervised by the District’s administration or official organizations.
- 1.11 “Employee” means any person employed by the MCCCD on a full-time, part-time, temporary, or regular basis or directly engaged in the performance of work under the provision of a contract with the District. This definition does not include unpaid Volunteers.
- 1.12 “Fighting Words” means verbal or nonverbal Speech that, by its very utterance or other method of communication, based on reasonable and commonly accepted community standards, 1) inflicts injury on a person to whom it is addressed (including, but not limited to, seriously abusive or insulting epithets of a personal nature addressed to a specific individual), or 2) is reasonably likely to provoke immediate physical retaliation by the person to whom it is spoken, or 3) is intended to incite or encourage others hearing the speech to commit an imminent Breach of the Peace, act of vandalism, or act of violence against the speaker or against someone else.
- 1.13 “Gratuitous Violence” means real or simulated graphic, realistic visual depictions of brutal acts of physical harm or cruelty to or the infliction of brutal physical harm or cruelty upon humans, animals, or human- or animal-like creatures and, taken as a whole, lacks discernable literary, artistic, political, or scientific value.
- 1.14 “Harassment” means unwelcome Speech or conduct directed toward a specific individual that a reasonable person in the individual’s position would perceive as being so severe, persistent, or pervasive as to deny or substantially disrupt the

individual's ability to fully participate in or benefit from Ordinary District Operations or a District Sponsored Activity.

- 1.15** "Heckler's Veto" means completely preventing or attempting to completely prevent a speaker from speaking or from being heard by others through persistent, suppressive, and overwhelming boos, chants, shouted comments, or other intentional disruptions. A Heckler's Veto does not include isolated or intermittent vocal disagreement or heckling, even if it is loud, disrespectful, or briefly disruptive.
- 1.16** "Obscenity" means Speech or other expression in any medium that a reasonable person applying contemporary community standards would find appeals or is intended to appeal primarily to prurient interests, depicts or describes sexual conduct in a blatantly graphic or patently offensive way, and, taken as a whole, lacks discernable literary, artistic, political, or scientific value.
- 1.17** "Ordinary District Operations" means all day-to-day business and other functions of the District, including, but not limited to, academic instruction, administrative services, performance of employment responsibilities, facilities maintenance and grounds keeping, creative activity, community events, campus safety and security, and the maintenance of a Districtwide environment that is open, accessible, and welcoming to the District Community.
- 1.18** "Posted" means affixed to or deposited on District Property by any means.
- 1.19** "Prohibited Discrimination" means the unjust, prejudicial, or less favorable treatment of a person or group of persons based on actual or perceived protected characteristics or status in violation of state, federal, or municipal law, or District policy.
- 1.20** "Public Area" means an outdoor area that is generally open to the public during the District's regular hours of operation and accessible by a public road or walkway without the need to enter or pass through a building or enclosed space. Public Areas do not include the interiors of District buildings or enclosed outdoor spaces, such as building atriums or athletic fields.
- 1.21** "Public Expression" means all Speech – EXCLUDING Breaches of the Peace, Commercial Speech, Fighting Words, Gratuitous Violence, Harassment, Heckler's Veto, Obscenity, Prohibited Discrimination, or True Threats – conducted in a Public Area, including, but not limited to, protests, demonstrations, rallies, speeches, forums, the distribution of posters or leaflets, and the collection of signatures for petitions, and includes all activities related to an individual's right to peacefully assemble and/or petition the government for a redress of grievances.
- 1.22** "Public Posting" means any written or printed material that is placed on District Property in a Public Area or affixed to any structure on District Property in a Public Area.
- 1.23** "Reserved Area" means a Public Area that has been reserved and scheduled in advance by a specific individual or group for a particular activity in accordance with applicable District policy.
- 1.24** "Speech" means communication through any means, including, but not limited to, spoken or printed words or symbols, expressive gestures or utterances, symbolic actions, artistic expression, or forbearance from any of the foregoing (*e.g.*, intentional silence or non-participation in expressive actions).
- 1.25** "Student" means any person currently enrolled in courses at the District on either a full-time or part-time basis, as well as any person currently registered for or participating in continuing-education classes through the District.
- 1.26** "Student Organization" means an organization composed primarily of students which has received recognition according to District policies and procedures through the campus Department of Student Life.
- 1.27** "True Threat" means Speech in any medium that the speaker intends to communicate a serious expression of an intent to commit an act of unlawful violence against a specific person or group of persons or to cause serious damage to the property of another.
- 1.28** "Visitor" means any person physically present on District Property or in attendance at a District Sponsored Activity who is not a current Student, Employee, Governing Board Member, or authorized Volunteer.
- 1.29** "Volunteer" means any individual who is not an Employee or Student of the District, and is authorized by the District to perform and voluntarily performs services for the District without promise, expectation, or receipt of compensation, future employment, or other tangible benefit, including academic credit. A Volunteer is not an Employee of the District for any purpose.

## **SECTION 2: General Principles**

**A.** The District will at all times maintain a Content Neutral position in the application and enforcement of this BP.



- B.** As an institution of higher education, the District is dedicated to the principle that a free exchange of ideas is fundamental to the pursuit and dissemination of knowledge. To that end, the District is committed to protecting every member of the District Community's right to speak, write, listen to, explore, and debate competing ideas.
- C.** In any higher-education environment, including here at the District, it is normal for the ideas of various members of a District community to differ and sometimes conflict with each other or members of the public. Although the District values highly the principles of civility and mutual respect, it is not the proper role of an institution of higher education to attempt to shield members of the District Community from ideas and opinions they may find unwelcome, disrespectful, upsetting, or even deeply offensive. Concerns about civility and mutual respect do not justify closing off discussion of any ideas or opinions, no matter how disagreeable or offensive they may be to some or even most members of the District Community.
- D.** The District is committed fully to the fundamental tenet of higher education that the appropriate response to false, offensive, or even abhorrent Speech is not to prohibit it or hide from it, but to respond to and challenge it with more Speech.
- E.** Although members of the District Community are free to criticize and contest the views expressed by others, they may not deny, materially obstruct, or otherwise improperly interfere with others' freedom to express views with which they disagree or which they find offensive or even loathsome.
- F.** The freedom to express ideas does not mean members of the District Community may exercise that freedom in ways that are incompatible with Ordinary District Operations or the rights of other members of the District Community, including their right to a full and equal opportunity to pursue their education, to a District environment free from impermissible or Prohibited Discrimination and Harassment, to access the resources available at the District, and to express their own opinions and beliefs.
- G.** The District may restrict Public Expression that violates state, federal, or local law; defames a specific person; or constitutes a Breach of the Peace, Commercial Speech, Fighting Words, Gratuitous Violence, Harassment, a Heckler's Veto, Obscenity, Prohibited Discrimination, or a True Threat; or otherwise disrupts Ordinary District Operations, District Sponsored Activities, or District Authorized Activities.
- H.** The District may place reasonable, Content Neutral regulations on the time, place, and manner of Public Expression to ensure it does not disrupt Ordinary District Functions, District Sponsored Activities, or District Authorized Activities.
- I.** The fact that Public Expression activity occurs on District Property does not imply and should not be construed as implying approval or endorsement by the District of any viewpoint or message expressed during the activity.

### **SECTION 3: Location of Public Expression**

- A.** Any Public Area on District Property may be used for Public Expression consistent with this BP, including on a spontaneous basis, provided the Public Area has not already been reserved for use at that same time, subject to reasonable time, manner, and place restrictions (see Section 4, below).
- B.** Reserving Public Areas for Public Expression
  - 1.** Reservations are not required in order to use Public Areas for Public Expression activities; however the District may require reservations be made if the event is large in scope or anticipates large crowds.
  - 2.** The District recommends individuals or groups who wish to engage in Public Expression activities that are anticipated or likely to involve or attract large numbers of people, or that will involve special equipment (*e.g.*, stages or platforms, chairs, sound amplification) consult with the District's administration regarding the most appropriate Public Areas to accommodate those activities and reserve those Public Areas in advance and to reserve the area by using the Facilities Use Request form
  - 3.** Individuals or groups who wish to engage in planned Public Expression activities may reserve a particular Public Area in advance by submitting a written "Facilities Use Request" as follows:
    - a.** At least seven (7) business days before the anticipated date of the Public Expression activity, although the District strongly encourages the submission of reservations as early as possible;
    - b.** To the respective College President or his/her designee when Public Expression activities are to be conducted at one of the District's campuses;

- c. To the Chief Operating Officer or his/her designee for activities to be conducted at the District's District Office.
  - d. Facilities Use Requests may be obtained from the District's individual College Facilities Department or online through the College Facilities Department.
4. Reservation submissions to the District Facilities Department will be processed on a first-come-first-served, Content-Neutral basis and may be denied at the District's discretion under one or more of the following circumstances:
- a. The Public Expression activity conflicts with scheduled District Sponsored Activities or District Authorized Activities;
  - b. The Public Area in question has already been reserved by another individual or group;
  - c. The Public Expression activity for which the reservation is sought does not conform to reasonable time, place, and manner restrictions set forth by the District;
  - d. The individual or group submitting the reservation has a prior history with the District of engaging in Public Expression activities that are harmful or injurious to members of the District Community, damaging to or the cause of excessive littering on District Property, excessively disruptive to Ordinary District Operations, or that otherwise violate District policy or do not conform to the District's time, place, and manner restrictions.
5. Individuals and groups submitting reservations will be notified within five (5) business day if their reservations are confirmed or have been denied.
6. If a reservation submission is denied, the District will provide a timely written explanation for the denial and make reasonable efforts to work with the individual or group whose reservation was denied to modify the reservation submission to facilitate its approval.
- C. The District reserves the right to cancel any Public Area reservation or terminate any Public Expression activity already in progress if anyone participating in the Public Expression activity engages in any conduct prohibited by this BP (see Section 8 below), by state or federal law, municipal law, tribal law, and/or District policy.

#### D. Appeals

1. An appeal of the denial or cancellation of a reservation submission or of a decision to terminate Public Expression activity may be submitted to the Chief Operating Officer or his/her designee within three (3) business days of the date of the denial, cancellation, or termination.
2. Consideration of appeals shall be limited to questions of whether a misapplication of this BP or other District policies or procedures resulted in the denial or cancellation of a reservation submission or the decision to terminate Public Expression activity. The Chief Operating Officer, or his/her designee, will not review or otherwise second-guess decisions regarding Public Expression or this BP on any other basis.
3. Appeals must be in writing and state the following:
  - a. The name of the individual bringing the appeal (the "Appellant") and whether he or she is bringing it on behalf of a particular group;
  - b. A summary of the facts leading to the denial, cancellation, or termination, including the date, time, and location of the Public Expression activity, as well as a description of the Public Expression in which the Appellant engaged or intended to engage;
  - c. The basis for the Appellant's belief that this BP or other specific District policy or procedure was misapplied, and
  - d. The relief the Appellant is requesting.
4. A copy of the Appeal must be delivered to the Chief Operating Officer or his/her designee and to the College President.

5. The Appellee may submit a written response to the appeal within one (1) business day. Copies of the Appellee's response must be delivered to the Chief Operating Officer or his/her designee and to the Appellant.
6. Appeals pursuant to this BP will be decided and the Appellant notified of the decision within two (2) business days of the District's receipt of the appeal.

#### **SECTION 4: Time, Place, and Manner Restrictions**

- A. Reasonable time, place, and manner restrictions may be imposed on Public Expression activities to achieve a compelling District interest, including, but not limited to, ensuring Ordinary District Functions are not disrupted and to protect the safety and security of the District Community and District Property.
- B. Time, place, and manner restrictions shall be determined by the respective College President or designee on a case-by-case basis, in consultation with the District's police department and legal counsel.
- C. Any and all time, place, and manner restrictions shall be the least restrictive means necessary to achieve the compelling District interest and must not effectively stop or prevent spontaneous Public Expression. Such restrictions must be designed to maximize opportunities and alternative channels for Public Expression.
- D. Any and all time, place, and manner restrictions on Public Expression shall be Content Neutral.
- E. In the event the District deems it necessary to restrict Public Expression, the District will nevertheless, to the maximum extent practicable, propose and provide alternate opportunities for such Public Expression.
- F. The District reserves the right to require any form of Public Expression that a reasonable person applying contemporary community standards would find includes themes or depictions of graphic violence, explicit human sexual acts, or explicit human nudity (but does not otherwise constitute Gratuitous Violence or Obscenity) be conducted or displayed at a time, in a place, and/or in a manner designed to decrease the likelihood that members of the District Community (*e.g.*, minor children) will unintentionally encounter the Public Expression, regardless of its artistic, scientific, or academic value;

#### **SECTION 5: After-Hours Public Expression on District Property**

District Property, including all non-public and Public Areas, may not be used for Public Expression activities from 9:00 p.m. until 7:00 a.m., seven (7) days per week, excluding Public Expression associated with Ordinary District Operations or District Sponsored Activities, without the express written permission of the Chief Operating Officer or his/her designee.

#### **SECTION 6: Invited Speakers**

- A. Public Areas on District Property shall be open to speakers invited by Students, Student Organizations, and District faculty to engage in Public Expression at the District.
- B. The District shall make reasonable efforts to address the safety of persons engaged in Public Expression on District Property, including invited speakers and persons attending invited speakers' events.
- C. The District may charge a reasonable fee for the provision of security services at Public Expression events involving invited speakers, provided security fees are charged uniformly and are in no way based on or influenced by the content of the Speech of the invited speaker or of the person or group who invited the speaker.

#### **Section 7: Non-Invited and Non-Affiliated Users**

- A. Please see Administrative Regulation 2.4.9 Use of College Grounds by Non-MCCCD-Affiliated Users.

#### **SECTION 8: Amplified Sound**

The District reserves the right to restrict or prohibit the use of amplified sound during Public Expression activities at times when amplified sound is reasonably likely to interfere or disrupt Ordinary District Operations, District Sponsored Activities, or non-amplified District Authorized Activities.

#### **SECTION 9: Contemporaneous Counter- Protests and Counter-Demonstrations**

- A. Protests, demonstrations, or other Public Expression activities may attract or invite other forms of Public Expression in response, including, but not limited to, contemporaneous counter-protests and counter-demonstrations.
- B. The District will, to the maximum extent possible, treat individuals and groups engaging contemporaneously in Public Expression and in counter-Public Expression equally in accordance with this BP.
- C. To preserve the health and safety of the District Community and to prevent damage to District Property, the District reserves the right to place mutual time, place, and manner restrictions on Public Expression activities and contemporaneous counter-Public Expression activities, including, but not limited to, requiring that activities be conducted a reasonable distance from each other, not to exceed the distance minimally necessary to maintain safety and order.

## **SECTION 10: Prohibited Conduct**

- A. The District expressly prohibits any conduct, regardless of any association it may have with legitimate Public Expression activity, if the conduct
  - 1. Adversely affects or directly threatens to adversely affect the health or safety of members of the District Community or their opportunity to enjoy District programs and District Sponsored Activities, or
  - 2. Materially disrupts Ordinary District Operations.
- B. Specific conduct prohibited by this BP includes, but is not limited to, the following:
  - 1. Causing physical injury or harm to a person;
  - 2. Directing threats at individuals or specific groups of persons or attempting to intimidate them in a manner that would cause a reasonable person to fear for his or her own safety;
  - 3. Obstructing sidewalks, vehicular roadways, or building entrances and exits;
  - 4. Excluding or ejecting members of the District Community from a Public Area because of the content of their Public Expression;
  - 5. Engaging in a Breach of the Peace, Fighting Words, Gratuitous Violence, Harassment, a Heckler's Veto, Obscenity, Prohibited Discrimination, or a True Threat;
  - 6. Removing or obscuring Public Postings bearing an official stamp from the District before the expiration date indicated on the stamp (see Section 10 below);
  - 7. Damaging or threatening to damage District Property;
  - 8. Causing excessive and unreasonable littering or soiling of District Property;
  - 9. Remaining on District Property after receiving lawful notice to depart;
  - 10. Stating or implying, directly or indirectly, that any Public Expression activity or viewpoint of an individual or group on District Property is that of the District or is endorsed, supported, or approved of by the District.

## **SECTION 11: Commercial Speech**

- A. The District is not required to permit any Commercial Speech on District Property and may restrict Commercial Speech on the basis of its content.
- B. Any Commercial Speech on District Property is prohibited without the express written consent of the Chief Operating Officer or his/her designee.
- C. The Chief Operating Officer shall designate one or more coordinators for Commercial Speech and commercial events held on District Property, including on each District College Campus.
- D. Designated coordinators shall be responsible for ensuring that any Commercial Speech on their respective District Properties is consistent with District policies, procedures, and institutional values, as well as in compliance with applicable state and federal law, municipal law, tribal law, and/or District policy.

- E. Designated coordinators may, at their discretion, decline to permit any Commercial Speech.

## **SECTION 12: Public Postings**

- A. Public Postings – including, but not limited to, posters, flyers, leaflets, notices, and other printed materials, regardless of any Public Expression content – may be Posted on District Property only in designated areas.
- B. All Public Postings must be officially stamped by the respective Dean of Student Affairs or his/her designee with the date the posting expires, not to exceed thirty (30) days from the original date they are posted. Expired Public Postings will be removed promptly by the District.
- C. Official date-stamps will be issued by the Dean of Student Affairs on a Content Neutral basis and will not be withheld unless the Public Posting constitutes a Breach of the Peace, Fighting Words, Gratuitous Violence, Harassment, Obscenity, Prohibited Discrimination, or a True Threat.

## **SECTION 13: Anonymous Expression**

- A. Choosing to speak anonymously does not absolve members of the District Community of responsibility for their Public Expression or other speech, and anonymous Public Expression must comply with this BP and all other applicable District policies and procedures, as well as applicable state and federal laws, municipal law, tribal law, and/or District policy.
- B. Anonymous Public Postings that do not comply with the District's Public Posting procedures may be removed at any time by any person.

## **SECTION 14: Violations**

- A. Any individual who violates this BP may be removed and/or trespassed from District Property or a District Sponsored Activity and/or denied the ability to reserve Public Areas of the District for future Public Expression activities.
- B. Any violation of this BP by a District Student or Employee that also constitutes a separate violation of District policy may be subject to additional applicable sanctions pursuant to the Student Code of Conduct or applicable District Policy, respectively.
- C. Any violation of this BP that also constitutes a violation of federal or state law may also subject an individual or group to additional sanctions, including criminal arrest, prosecution, and/or civil penalties.

## **SECTION 15: Complaints**

- A. Any member of the District Community who feels his or her right to Public Expression has been violated or that this BP has not been followed or has been misapplied may contact the District's Office of Public Stewardship to submit a complaint.
- B. In addition to pursuing the District's complaint process, members of the District community also have the right to file, and do not need to exhaust the District's complaint process before filing, legal claims regarding First Amendment violations, including with outside agencies, such the following:

United States Department of Education  
Office of Civil Rights (OCR)  
1244 Speer Blvd., Suite 310  
Denver, CO 80204-3582  
Phone: (303) 844-5695  
Fax: (303) 844-4303  
Email: OCR.Denver@ed.edu

United States Equal Employment Opportunity Commission  
3300 N. Central Avenue, Suite 690  
Phoenix, AZ 85012-2504  
Phone: (602) 640-5000  
Phone: (800) 669-4000

TTY: (800) 669-6820

Fax: (602) 640-5071

Arizona Attorney General

Office of Civil Rights

2005 N. Central Ave.

Phoenix, AZ 85004-2926

Phone: (602) 542-5263

TDD: (602) 542-5002

**ADOPTED November 20, 2018, Motion No. 10587**

# ND-4 Religious Accommodation Procedure and Request Form

## Religious Accommodation Procedure

1. The Maricopa County Community College District will reasonably accommodate the religious needs, observances, and practices of their employees and students, when requested and when said requests are made in accordance with these procedures. An individual's request for reasonable religious accommodations, including requests for time off from work or school activities, is justified unless college, class, or District operations would suffer unduly by granting the individual's request. Requests should be made in writing using the [Religious Accommodation Request form](#).
2. Individuals may not be discriminated against because of their religious beliefs or practices, or because they lack religious beliefs or practices.
  - a. Faculty and staff who believe they have been discriminated against by the denial of a requested religious accommodation should contact the Equal Employment Opportunity / Affirmative Action Office at [480-731-8473](tel:480-731-8473).
  - b. Students who believe they have been discriminated against by the denial of a requested religious accommodation should contact the Dean of Students, or designee at their respective college.
3. **DEFINITIONS:**
  - a. **Religion or Creed:** includes traditional, organized religions but also religious beliefs, including those that are new, uncommon, not part of a formal church or sect. All aspects of religious belief and observance that are sincerely held will be considered as part of this policy.
    - i. *Religious Practice or Belief:* A sincerely held practice or observance that includes moral or ethical beliefs as to what is right and wrong, most commonly in the context of the cause, nature and purpose of the universe. Religion includes not only traditional, organized religions, but also religious beliefs that are new, uncommon, not part of a formal religious institution or sect, or only subscribed to by a small number of people. Social, political, or economic philosophies, as well as mere personal preferences, are not considered to be religious beliefs.
  - b. **Religious Accommodation:** A reasonable change in the work or academic environment that enables a student or employee to practice or otherwise observe a sincerely held religious practice or belief without undue hardship on the college or District.
    - i. A reasonable religious accommodation may include, but is not limited to:
      1. Time for prayer during a work day,
      2. The ability to attend religious events or observe a religious holiday, or
      3. Any necessary modification to college or District policy, procedure or other requirement for a student's or employee's (or prospective employee's) religious beliefs, observance or practice, provided such accommodation is reasonable and does not cause undue hardship.
  - c. **Undue Hardship:** Significant difficulty or expense and related circumstances in relationship to the cost or difficulty of providing a specific accommodation.
    - i. Undue hardship may refer to financial difficulty in providing an accommodation or accommodations that are unduly expensive, substantial, disruptive, or that would fundamentally alter academic requirements, the nature or operation of the college or district's business, or the essential functions of a job. Accommodations which interfere with the safe and efficient operation of the workplace or campus will often present an undue hardship.
4. **PROCEDURES FOR SEEKING RELIGIOUS ACCOMMODATION:**
  - a. Students:
    - i. All students may request a religious accommodation by making a written request for an accommodation to the appropriate faculty member. To the extent possible, requests must be made at least two (2) weeks before the requested absence from class due to religious holiday or day of observance. [Students and employees are encouraged to review the calendar for all holidays/holy days at the beginning of the calendar year (for employees) and semester (for students) and to make accommodation requests as early as possible.]
    - ii. Faculty members will, upon receiving the request for a religious accommodation, submit the request to the Dean or Academic Chair of his/her department.
    - iii. In cooperation with the Dean of Students, or designee, the accommodation request will be reviewed and the student's request responded to within a reasonable time.
      1. A reasonable time period should take into consideration the timeliness of the request as well as the imminent nature of the request.
    - iv. Additional information may be necessary, in support of the requested accommodation. In these cases, the additional information should not be overly burdensome and shall not be information more detailed than would be requested for other accommodations (not related to religion).
    - v. In situations where an accommodation is not granted, the District Compliance Office must review the reasons for the denial within 72 hours (3 business days) after the denial.

## b. Employees:

- i. All employees may request a religious accommodation by making a written request for an accommodation to their supervisor(s). Employees will be required to complete a Formal Accommodation Request form and may be required to provide other documentation or information supporting the request. (See Religious Accommodation Request form). Employees who anticipate being absent from work because of a religious observance must submit their request for time off in advance and as soon as they become aware of the need or at least ten (10) business days in advance. Failure to do so, when reasonably unavoidable, will not prevent the granting of the absences.
- ii. Supervisors receiving the accommodation request will meet with college (and/or District Human Resources) to seek guidance as to the granting of the accommodation.
  1. Additional information may be necessary, in support of the requested accommodation. In these cases, the additional information should not be overly burdensome and shall not be information more detailed than would be requested for other accommodations (not related to religion).
  2. In situations where an accommodation is not granted, the District Compliance Office must review the reasons for the denial within 72 hours (3 business days) after the denial.
- c. Accommodation request determinations will be made on a case-by-case basis taking into account factors, including but not limited to: the fundamental requirements of the applicable academic program and/or related technical standards, essential functions of an individual's job, the duties of others in the department or job group, the requirements of the department or major, any impact of the accommodation, the duration of the accommodation request, and the availability of alternative accommodations.
- d. The college or District will endeavor to protect the requesting student or employee's privacy in evaluating and implementing the accommodation requested to the extent possible. However, following receipt of the request, the college or District official or administrator, supervisor(s) or designee(s) will discuss the accommodation request as necessary with the student or employee, and with select others in order to further evaluate and/or implement the accommodation.
- e. Approvals should be provided in writing to the requesting student or employee by filling out the "disposition" section of the Religious Accommodation Request form.
- f. Employees with questions about this policy and/or its application may contact Equal Employment Opportunity / Affirmative Action Director, Deric Hall at [480-731-8473](tel:480-731-8473) or by e-mail at: [deric.hall@domail.maricopa.edu](mailto:deric.hall@domail.maricopa.edu).
- g. Students with questions about this policy and/or its application may contact the Vice-President of Student Affairs at their respective college.

5. **ADDITIONAL INFORMATION:**

- a. **Absences-Student Notice:** Students who anticipate being absent from classes because of a religious observance must provide faculty or appropriate designee with advance notice of their absence in accordance with the common pages. Students involved in an internship or clinical placement program must also provide advance notice to their internship or clinical placement supervisor prior to any absence.
  - i. Students should understand that if an accommodation is granted, missing time from an internship or clinical placement may require the student to make up work or repeat the internship or clinical placement at a later time.
  - ii. Make up/Extension: If examinations or assignment deadlines are scheduled on the day(s) of a religious observance, any student who provided advance notice of absence will have the opportunity to make up the examination or extend the assignment deadline and will not be penalized for the absence.
  - iii. Being absent from class or other educational responsibilities does not excuse students from keeping up with any information shared or expectations set during the missed class(es). Students are responsible for obtaining the materials and information provided during any class(es) missed.

6. **ABSENCES—EMPLOYEES (INCLUDING FACULTY AND STAFF):** The college or District will make reasonable efforts to accommodate an employee's requests for absences to the extent possible by allowing flexible arrival and departure times, floating or optional holidays, flexible work breaks, or considering schedule substitutions with colleagues of substantially similar qualifications which may need to be arranged by or with the assistance of the requesting employee. Employees may request time off from work to observe religious holidays that are not designated college holidays. Such requests will be granted unless it would result in an undue hardship to the department or MCCC. Employees taking a non-designated religious day off must charge time off to personal time, accrued vacation time, or take time without pay.

- a. Please be aware that the college or District is not required to accept a requested preferred accommodation if there is more than one alternative that eliminates the religious conflict.

7. **RELIGIOUS ATTIRE, DRESS, GROOMING AND OTHER REQUIREMENTS:** Upon request, the college or District will make reasonable efforts to accommodate student and employee attire that is related to their sincerely held religious beliefs and which conflict with any college or district requirement. religious attire is not cultural or traditional dress; it is a requirement of religious observance. religious attire may include, but it is not limited to: hairstyle or beard: Sikh hair and beard, Rastafarian dreadlocks, Jewish payot; yarmulkes, turbans, headscarves (hijab), Rastafari headdress; crucifixes, Star Of David or other items of ceremonial dress.



8. **QUIET SPACES AND PRAYER, UPON REQUEST:** The college or District will evaluate and where reasonable and available, provide access to quiet, private spaces for meditation, study and/or prayer consistent with the requirements of this policy.
9. **ATHLETIC-RELATED RELIGIOUS ACCOMMODATIONS:** Upon request, the college or District will make reasonable efforts to accommodate students participating in intercollegiate athletics. The process outlined in this procedure must be followed, with the accommodation request form being delivered to the Head Coach for the intercollegiate sport as well as the Athletic Director.
10. **RETALIATION PROHIBITED:** The college or District prohibits retaliation against students and employees requesting a religious accommodation, participating in an approved accommodation or otherwise engaging in protected conduct under this policy. Any person who violates this anti-retaliation provision may be subject to disciplinary and/or corrective action.
11. **RECORDKEEPING REQUIREMENT:**
  - a. Employee religious accommodation requests shall be maintained in the Equal Employment Opportunity / Affirmative Action Office and shall adhere to the applicable records retention schedule, as outlined by the Office of Public Stewardship.
  - b. Student religious accommodation requests shall be maintained in the Dean of Student's office and shall adhere to the applicable records retention schedule, as outlined by the Office of Public Stewardship.

The Religious Accommodation Request form is located at: [RELIGIOUS ACCOMMODATION REQUEST FORM](#)

**ADOPTED through the Administrative Regulation Process, June 4, 2019**

## Catalog Common Pages 2021-2022

### MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

**2.2.2 Admission Information AMENDED through the Administrative Regulation Process, June 24, 2021; 2.2.4 Transfer Credit and Prior Learning Assessment Policy AMENDED through the Administrative Regulations Approval Process, June 24, 2021; 2.2.5 Catalog Under Which a Student Graduates AMENDED through the Administrative Regulations Approval Process, June 24, 2021; 2.3.9 General Graduation Requirements AMENDED through the Administrative Regulations Approval Process, June 24, 2021; 2.3.13 Course Substitutions ADOPTED through the Administrative Regulations Approval Process, June 24, 2021; 2.8.1 Eligibility for Accommodations & Required Disability Documentation AMENDED through the Administrative Regulations Approval Process, June 24, 2021**

The following are a portion of the Administrative Regulations used in managing the day-to-day operations of the Maricopa County Community College District (MCCCD) and are subject to change. Administrative Regulations are amended, adopted, or deleted as necessary and are subject to a formal approval process. Administrative Regulations are referenced by number, which corresponds with the regulations on the MCCCD web site:

<https://district.maricopa.edu/regulations>

Some regulations include reference to Arizona Revised Statutes from the State of Arizona and are noted as “ARS” followed by a reference number.

#### 2.4.1 General Statement

The Maricopa Community Colleges are dedicated to providing a healthy, comfortable and educationally productive environment for students, employees and visitors.

#### 2.4.2 Nondiscrimination (see [5.1.1 Maricopa EEO Policy](#))

It is the policy of the Maricopa County Community College District (MCCCD), (consisting of [Chandler-Gilbert Community College](#), the District Office, [Estrella Mountain Community College](#), [GateWay Community College](#), GateWay Community College - Central City, [Glendale Community College](#), [Mesa Community College](#), [Paradise Valley Community College](#), [Phoenix College](#), [Rio Salado Community College](#), [Scottsdale Community College](#), [South Mountain Community College](#), and all affiliated locations) to:

1. Recruit, hire, and promote in all job groups, and to ensure that all [Human Resources \(HR\)](#) employment selection and decision practices do not discriminate, nor tolerate discrimination in employment against any applicant or employee, on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.
2. Administer all HR employment selection and decision practices pertaining to advertising, benefits, compensation, discipline (including probation, suspension, and/or involuntary termination for cause or layoff), employee facilities, performance evaluation, recruitment, social/recreational programs, and training will be administered without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.
3. Hold each level of management responsible for ensuring that all employment policies, procedures, and activities are in full compliance with all applicable federal, state, and local EEO statutes, rules, and regulations.
4. Maintain an educational environment that does not discriminate or tolerate discrimination on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, or veteran status in federally funded programs, activities and MCCCD sponsored events.
5. Hold each level of academic and student life management responsible for ensuring that all academic environments and activities are in full compliance with all applicable federal, state, and local non-discrimination laws.

**AMENDED by Direct Approval from the Chancellor Approval, April 8, 2020**

**AMENDED through the Administrative Regulations Approval Process, January 2, 2020**

### **2.4.3 Equal Opportunity Statement (see [5.1.3 EEO Policy Statement](#))**

It is the policy of the Maricopa County Community College District (MCCCD) to promote equal employment opportunities through a positive continuing program. This means that Maricopa will not discriminate, nor tolerate discrimination in employment or education, against any applicant, employee, or student because of race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information. Additionally, it is the policy of Maricopa to provide an environment for each Maricopa job applicant and employee that is free from sexual harassment, as well as harassment and intimidation on account of an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.

In addition, lack of English language skills is not a barrier to admission into Career and Technical Education (CTE) programs or skill centers.

**AMENDED by Direct Approval from the Chancellor, April 8, 2020**

**AMENDED through the Administrative Regulations Approval Process, January 2, 2020**

## **AFFIRMATIVE ACTION STATEMENTS**

### **Affirmative Action Policy Statement for Individuals with Disabilities**

In conformance with the provisions of Section 503 of the Rehabilitation Act of 1973, as amended, and the implementing regulations, 41 CFR 60-741.5 (a), as amended, Maricopa County Community College District (MCCCD) will not discriminate, nor tolerate discrimination in employment or education, against any applicant, employee, or student because of physical or mental disability in regard to any position for which the known applicant or employee is qualified. MCCCD agrees to take affirmative action to employ, advance in employment, and otherwise treat known qualified individuals with disabilities without regard to their physical or mental disability in all human resources selection and decision practices, such as the following: advertising, benefits, compensation, discipline (including probation, suspension, and/or termination for cause or layoff), employee facilities, performance evaluation, recruitment, social/recreational programs, and training. MCCCD will also continue to administer these practices without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, veteran status or genetic information. Additionally, all applicants and employees are protected from coercion, intimidation, interference, or discrimination for filing a complaint or assisting in an investigation under the Act.

### **Affirmative Action Policy Statement for Other Eligible Veterans, Special Disabled Veterans, and Vietnam Era Veterans**

In conformance with the Vietnam Era Veterans Readjustment Assistance Act of 1974, the Veterans Employment Opportunities Act of 1998, and the implementing regulations, 41 CFR 60-250 (k), Maricopa County Community College District (MCCCD) will not discriminate, nor tolerate discrimination in employment or education, against any applicant, employee, or student because they are a special disabled veteran or Vietnam era veteran in regard to any position for which the known applicant or employee is qualified. MCCCD agrees to take affirmative action to employ, advance in employment, and otherwise treat known qualified special disabled veterans and Vietnam era veterans without discrimination based upon their disabled or veteran status in all human resources selection and decision practices, such as the following: advertising, benefits, compensation, discipline (including probation, suspension, and/or termination for cause or layoff), employee facilities, performance evaluation, recruitment, social/recreational programs, and training. MCCCD will continue to administer these practices without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, veteran status or genetic information. Additionally, MCCCD agrees to post all suitable job openings at the local office of the State employment service where the job opening occurs. This includes full-time, temporary greater than 3 days' duration, and part-time employment. Finally, all applicants and employees are protected from coercion, intimidation, interference, or discrimination for filing a complaint or assisting in an investigation under the Act.

### **[Notice of Americans with Disabilities Act \(ADA\)/ Section 504 of the Rehabilitation Act/Title IX Coordinator \(see 5.1.7 Notice of Americans with Disabilities Act \(ADA\)/Section 5004 of the Rehabilitation Act/Title IX Coordinator\)](#)**

Under the ADA and Section 504, the Maricopa County Community College District (MCCCD) recognizes the obligation to provide overall program accessibility throughout its locations for qualified disabled individuals. Students and employees can raise concerns or make complaints, without retaliation, about matters made unlawful under the ADA.

## EMPLOYEES

The District Office and each College must post the address and telephone number for the individual responsible for coordinating services and/or activities relating to the Americans with Disabilities Act (42 U.S.C. Chapter 126), Section 504 of the Rehabilitation Act (29 U.S.C. §794(d)), and all other applicable law. The Notice will specify how employees can request reasonable accommodations.

[College ADA Coordinators](#) (Credentials are needed to enter secure site.)

## STUDENTS

The District Office and each MCCCD location must post the address and telephone number for the individual responsible for coordinating services and/or activities relating to the Americans with Disabilities Act (42 U.S.C. Chapter 126), Section 504 of the Rehabilitation Act (29 U.S.C. §794(d)), and Title IX of the Education Amendments of 1972 (20 U.S.C. §1681), using the format below:

- ADA/504/Title IX Coordinator
- Address
- Phone #
- Email address

Additionally, each college/center must publish electronically or in print the above information in student handbooks and catalogs.

The designated ADA/504/Title IX Coordinator at each college/center will provide information as to the existence and location of services, activities, and facilities that are accessible to and usable by individuals with disabilities. Likewise, under Title IX, there is an obligation to provide services and program accessibility in a gender-neutral manner.

[Title IX Coordinators](#)

[ADA/504 Managers](#)

**AMENDED through the Administrative Regulations Approval Process, January 2, 2020**

## Governing Values (Board Policy 4.1)

**Our Vision:** A Community of Colleges—Colleges for the Community—working collectively and responsibly to meet the life-long learning needs of our diverse students and communities.

**Our Mission:** The Maricopa Community Colleges provide access to higher education for diverse students and communities. We focus on learning through:

*University Transfer Education*

*General Education*

*Developmental Education*

*Workforce Development*

*Student Development Services*

*Continuing Education*

*Community Education*

*Civic Responsibility*

*Global Engagement*

**Our Institutional Values:** The Maricopa Community Colleges are committed to:

### Community

We value all people—our students, our employees, their families, and the communities in which they live and work. We value our global community of which we are an integral part.

### Excellence

We value excellence and encourage our internal and external communities to strive for their academic, professional and personal best.

### **Honesty and Integrity**

We value academic and personal honesty and integrity and believe these elements are essential in our learning environment. We strive to treat each other with respect, civility and fairness.

### **Inclusiveness**

We value inclusiveness and respect for one another. We believe that team work is critical, that each team member is important; and we depend on each other to accomplish our mission.

### **Innovation**

We value and embrace an innovative and risk-taking approach so that we remain at the forefront of global educational excellence.

### **Learning**

We value lifelong learning opportunities that respond to the needs of our communities and are accessible, affordable, and of the highest quality. We encourage dialogue and the freedom to have an open exchange of ideas for the common good.

### **Responsibility**

We value responsibility and believe that we are each accountable for our personal and professional actions. We are responsible for making our learning experiences significant and meaningful.

### **Stewardship**

We value stewardship and honor the trust placed in us by the community. We are accountable to our communities for the efficient and effective use of resources as we prepare our students for their role as productive world citizens.

## **ADMISSION, REGISTRATION AND ENROLLMENT**

### **2.1 General Regulation**

#### **1. General Statement**

##### *Compliance with Policies, Rules and Regulations*

Every student is expected to know and comply with all current published policies, rules and regulations as stated in the college catalog, class schedule, and/or student handbook. Documents are available on each college's website.

Policies, courses, programs, fees and requirements may be suspended, deleted, restricted, supplemented or changed through action of the Governing Board of the Maricopa Community Colleges.

The Maricopa Community Colleges reserve the right to change, without notice, any materials, information, curriculum, requirements and regulations.

*Note: The regulations that comprise the student section contain language that appears in various sources such as the Catalog Common Pages and the Student Handbook. All areas became Administrative Regulations with the 1996 adoption of the Governance Model. Changes are made annually either through the Administrative Regulations approval process, or by Board approval for those items that fall under its statutory duty, such as Tuition and Fees. In an effort to prevent duplication, topics in this section may be incorporated by reference, as they are featured in other areas of the manual and are noted accordingly.*

The Maricopa County Community College District Vision, Mission and Values that are featured in the Common Pages are a part of approved Governing Board policy and are located in the policy section of the manual. As such, the following statement related to Outcomes Assessment that appears in the Common Pages is presented here as a general statement.

#### **2. Outcomes Assessment**

The mission of the Maricopa Community Colleges is "to create and continuously improve affordable, accessible, and effective learning environments for the lifelong educational needs of the diverse communities we serve." In order to evaluate how successfully the Maricopa County Community College District accomplishes this mission, student outcomes will be assessed as part of the continuous improvement process.

Students may be asked to participate in a variety of assessment activities at each college. Assessment results will be used to improve educational programs, services and student learning.

### 2.2.1 Admission Policy

Persons meeting the admissions criteria may attend any Maricopa Community College of their choice. Falsification of any admission materials or official college records may be cause for denial or cancellation of admission. Exceptions to the admissions policies may be requested through the Admissions and Standards Committee. Admission is determined in accordance with state law (ARS §§15-1805.01 and 15-1821) and regulations of the Maricopa Community Colleges Governing Board.

#### Admission Classifications

##### 1. Admission of Regular Students

Admission to the community college in Arizona may be granted to any person who meets at least one of the following criteria:

- A. Is a graduate of a high school, which is accredited by a regional accrediting association as defined by the United States Office of Education or approved by a State Department of Education or other appropriate state educational agency.
- B. Has a high school certificate of equivalency.
- C. Is at least 18 years of age and demonstrates evidence of potential success in the community college.
- D. Is a transfer student in good standing from another college or university.

##### 2. Admission of Students Under 18 Years of Age

- A. A community college in this state shall grant admission to any student who is under eighteen years of age and who achieves at least one of the following:
  - i. A composite score of 720 or more on the Preliminary Scholastic Aptitude Test (PSAT).
  - ii. A composite score of 720 or more on the Scholastic Aptitude Test (SAT).
  - iii. A composite score of twelve or more on the American College Test (ACT).
  - iv. A passing score on the relevant portions of the statewide assessment.
  - v. The completion of a college placement method designated by the community college district that indicates the student is at the appropriate college level for the course.
  - vi. Is a graduate of a private or public high school or has a high school certificate of equivalency.
- B. A community college may limit the number of semester hours in which the student may enroll to not more than six (6) credit hours.
- C. Home schooled students are exempt from this sub-section.
- D. Students who enroll in vocational courses may be admitted on an individual basis with the approval of college officials if the student meets the established requirements of the courses for which the student enrolls and the college official determines that the student's admission is in the best interest of the student.

##### 3. Specialized Vocational / Training Program

Students who enroll in vocational courses may be admitted on an individual basis with the approval of college officials if the student meets the established requirements of the courses for which the student enrolls and the college officials determine that the student's admission is in the best interest of the student.

##### 4. Western Undergraduate Exchange Program

The Western Undergraduate Exchange (WUE) program is a student exchange program coordinated by the Western Interstate Commission for Higher Education (WICHE) and administered by the Arizona Board of Regents. Through WUE, students who reside in western states (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming), Guam and the Commonwealth of the Northern Marianas Islands (CNIMI) and who meet the eligibility requirements, pay 150 percent of the regular

resident tuition plus fees. Students must mark prominently on the Student Information Form that they seek admission as WUE students. Students may not apply as out-of-state students and expect to receive the WUE tuition rate after admitted. Once admitted as WUE students, students may not petition for in-state residency. Further information may be obtained from the Admissions and Records Office/Office of Student Enrollment Services.

**5. Admission of F-1 Nonimmigrant Students**

Prospective students should contact the Admissions and Records Office/Office of Student Enrollment Services or designated office for the international student application form(s). When completed, the form(s) should be returned to the Admissions and Records Office/Office of Student Enrollment Services or the International Education office with all requested supporting documents. After the file has been reviewed, a notice will be sent to the applicant indicating either acceptance or denial of admission.

To be guaranteed consideration for admission, all application materials must be received by July 1 for the fall semester and November 1 for the spring semester.

Prospective students seeking admission based on F-1 nonimmigrant status must provide proof of secondary school completion with documentation comparable to a United States high school diploma or higher degree. It is recommended that F-1 nonimmigrant students have graduated in the upper 50% of their secondary school (high school or equivalent) in order to ensure success in academic classes at this college. Applicants for admission to the college must have high school and college (if applicable) transcripts sent directly from the high school or college to the Admissions and Records Office/Office of Student Enrollment Services or designated office. In addition, it is the applicant’s responsibility to have all transcripts translated into English and evaluated by a foreign credential evaluation service if necessary.

**A. Admission to Academic Programs**

Applicants who wish to enroll in an academic program at the college must present evidence of English language proficiency. If the Test of English as a Foreign Language (TOEFL) is used to satisfy this requirement, the applicant must attain a score of at least 500 (on the paper-based TOEFL) or 61 (on the internet-based TOEFL, known as the iBT). If the International Language Testing System (IELTS) is used to satisfy this requirement, an IELTS overall Band Score of 5.5 or better is required, and a minimum IELTS individual Band Score of 5.0 on each module is recommended. The dean or director of Admissions and Records Office/Office of Student Enrollment Services of the college may accept other proof of English language proficiency for admission purposes, such as the ASSET, ACCUPLACER, COMPASS or CELSA tests.

**B. Admission to an Intensive English Program**

Applicants for admission to an Intensive English Program are advised to check with individual colleges for their respective admission requirements. Applicants must provide evidence of at least an intermediate command of English by way of one or more of the following criteria:

- i. At least six years of English language instruction as shown by the applicant’s school transcript(s);
- ii. A minimum TOEFL score of 400 (on the paper-based TOEFL) or 23 (on the internet-based test);
- iii. An original letter of recommendation from a teacher, school principal or headmaster/ headmistress, or the director of an English language institute attesting to the applicant’s proficiency at the intermediate level;
- iv. Other credentials, test scores, interview results, or evidence accepted by the coordinator of an intensive English program or the college’s responsible designee. Students admitted to an Intensive English Program will not be allowed to enroll in courses outside those officially designated as part of the program unless and until they have met all of the prerequisites or other course requirements.
- v. Foreign students under certain types of visas may need special permission to enroll and should contact the appropriate college official.

**C. Financial Support**

Evidence of financial support will be required prior to issuance of the I-20 form. The colleges have no scholarship or financial aid provisions for foreign students; therefore, students must be fully prepared to meet the necessary financial obligations for the full time they will be in the United States. The colleges estimate a student’s average expenses for 10 months to be:

|                  |             |
|------------------|-------------|
| Tuition and Fees | \$ 8,010(1) |
| Living Expenses  | \$10,140(2) |



|                  |             |
|------------------|-------------|
| Books            | \$800(3)    |
| Health Insurance | \$1400(4)   |
| Total            | \$20,350(5) |

D. Dependent Financial Guarantee

Evidence of financial support for dependents of F-1 and M-1 students (spouse and dependent children) is also required: \$5,000 for the first dependent and \$2,500 for each additional dependent.

E. Health Insurance

All F-1 and M-1 students who have an I-20 issued by one of the Maricopa Community Colleges are required to purchase the Maricopa Community Colleges' international student health insurance plan. Health insurance coverage for dependents of F-1 and M-1 students is highly recommended. The Maricopa Community Colleges contracts with an insurance provider annually to offer a health insurance plan for F-1 and M-1 students. For more information contact the college Admissions and Records Office/Office of Student Enrollment Services or designated international student office.

Footnotes:

(1) Based on 2016-2017 tuition and fee schedule.

(2) Based on estimated living expenses for two (2) semesters (10 months).

(3) Based on average new and used textbook prices and Rental Rates. Assumes books are sold at the end of the semester.

(4) Based on the 2016-2017 insurance premiums for the mandatory Maricopa Community Colleges' International Student Health Plan.

(5) Applicants must provide evidence of this minimum amount of financial support before an I-20 is issued.

**AMENDED by Direct Approval from the Chancellor, June 4, 2019**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

### 2.2.2 Admission Information

Students must file a Student Information Form with the Admissions and Records Office/Office of Student Enrollment Services at the college of attendance. There is no charge for this service.

#### 1. Student Status

- A. Freshman - A student who has completed fewer than 30 credit hours 100-level courses and above.
- B. Sophomore - A student who has completed 30 credit hours or more in 100-level courses and above.
- C. Unclassified - A student who has an associate degree or higher.

#### 2. Student Identification Number

Disclosure of the social security number is voluntary (ARS §15-1823). However, students must use social security numbers for reporting information pertaining to potential educational tax credits and for processing federal financial aid applications and Veterans Administration benefits.

#### 3. Residency for Tuition Purposes (See [Appendix S-1](#))

All students are classified for tuition purposes under one of the following residency classifications:

- A. Maricopa County resident
- B. Out-of-County resident
- C. Out-of-State resident (including F-1 non-immigrant students and students on other non-immigrant visas)

Residency for tuition purposes is determined in accordance with state law (ARS §§15-1801et seq.) and regulations of the Maricopa Community Colleges Governing Board. All of the Maricopa Community Colleges are subject to the above statutes and regulations. Students who have questions about their residency should contact the Admissions and Records Office/Office of Student Enrollment Services for clarification.

#### A. Implementation

- i. An applicant must be eligible to attend post-secondary education in the United States prior to being eligible to register for classes and pay fees.
- ii. Domicile status must be established before the student registers and pays fees. It is the student's responsibility to register under the correct domicile status.
- iii. Enforcement of domicile requirements shall be the responsibility of the Chancellor of the Maricopa Community Colleges. The Chancellor has charged the Director of Admissions and Records or other designee



at each college to make the initial domicile classification. In determining a student's classification, the college may consider all evidence, written or oral, presented by the student and any other information received from any source which is relevant to determining classification. The college may request written sworn statements or sworn testimony of the student.

- iv. A request for review of the initial classification may be made to a district review committee. The request must be in writing, signed by the student and accompanied by a sworn statement of all facts relevant to the matter. The request must be filed with the admissions officer of the college within ten (10) days of receipt of notification of classification as a non-resident. Failure to properly file a request for review within the prescribed time limit constitutes a waiver of review for the current enrollment period. The decision of the review committee shall be final.

## B. Definitions

- i. "Armed forces of the United States" means the Army, the Navy, the Air Force, the Marine Corps, the Coast Guard, the commissioned corps of the United States Public Health Services, the National Oceanographic and Atmospheric Administration, the National Guard, or any military reserve unit of any branch of the armed forces of the United States.
- ii. "Continuous attendance" means enrollment at one of Maricopa Community Colleges as a full-time or part-time student for a normal academic year since the beginning of the period for which continuous attendance is claimed. Students need not attend summer sessions or other such intersession beyond the normal academic year in order to maintain continuous attendance.
- iii. "Maricopa County resident" means an individual who lives in Maricopa County and has lived in the state of Arizona for at least one year prior (365 days) to the first day of the semester (as published in the approved MCCC Academic Calendar posted online at [ACADEMIC CALENDARS](#)) and who is a United States citizen or in a lawful status. In-state residency must be established prior to county residency for those moving from other states. Refer to Section C for guidelines.
- iv. "Domicile" means a person's true, fixed, and permanent home and place of habitation. It is the place where he or she intends to remain and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere. Visa status must confer the ability to establish domicile in the United States in order to be classified as an in-state student.
- v. "Emancipated person" means a person who is neither under a legal duty of service to his parent nor entitled to the support of such parent under the laws of this state.
- vi. "Full-time student" means one who registers for at least twelve (12) credit hours per semester.
- vii. "Part-time student" means one who registers for fewer than twelve (12) credit hours per semester.
- viii. "Parent" means a person's father, or mother, or if one parent has custody, that parent, or if there is no surviving parent or the whereabouts of the parents are unknown, then a guardian of an unemancipated person if there are not circumstances indicating that such guardianship was created primarily for the purpose of conferring the status of an in-state student on such unemancipated person.

## C. Criteria for Determining Residency

- i. In-State Student Status
  1. Except as otherwise provided in this article, no person having a domicile elsewhere than in this state is eligible for classification as an in-state student for tuition purposes. Applicants for in-state tuition status and other public benefits must demonstrate lawful presence in the United States by presenting one of the documents listed in this regulation, under the section "Demonstrating Lawful Presence."
  2. A person is not entitled to classification as an in-state student until the person is domiciled in this state for one year preceding the official starting day of the semester, except that a person whose domicile is in this state is entitled to classification as an in-state student if the person meets one of the following requirements:
    - a. The person's parent's domicile is in this state and the parent is allowed to claim the person as an exemption for state and federal tax purposes.
    - b. The person is an employee of an employer which transferred the person to this state for employment purposes or the person is the spouse of such an employee.
    - c. The person is an employee of a school District in this state and is under contract to teach on a full-time basis, or is employed as a full-time non-certified classroom aide, at a school within that

school District. For purposes of this paragraph, the person is eligible for classification as an in-state student only for courses necessary to complete the requirements for certification by the state board of education to teach in a school District in this state. No member of the person's family is eligible for classification as an in-state student if the person is eligible for classification as an in-state student pursuant to this paragraph, unless the family member is otherwise eligible for classification as an in-state student pursuant to this section. Eligibility for in-state tuition is subject to verification of intent to domicile in this state. Determination of residency is made by the admissions and records office/office of enrollment services.

- d. The person's spouse has established domicile in this state for at least one year and has demonstrated intent and financial independence and is entitled to claim the student as an exemption for state and federal tax purposes or the person's spouse was temporarily out of state for educational purposes, but maintained a domicile in this state. If the person is a non-citizen, the person must be in an eligible visa status pursuant to federal law to classify as an in-state student for tuition purposes.

AMENDMENT TO BE REPEATED IN CORRESPONDING APPENDIX ITEM S-1 – IN-STATE STUDENT STATUS  
SECTION C

3. The domicile of an unemancipated person is that of such person's parent.
4. An unemancipated person who remains in this state when such person's parent, who had been domiciled in this state, removes from this state is entitled to classification as an in-state student until attainment of the degree for which currently enrolled, as long as such person maintains continuous attendance.
5. A person who is a member of the armed forces of the United States and who is stationed in this state pursuant to military orders or who is the spouse or a dependent child of a person who is a member of the armed forces of the United States and who is stationed in this state pursuant to military orders is entitled to classification as an in-state student. The student does not lose in-state student classification while in continuous attendance toward the degree for which he or she is currently enrolled.
6. A person who is a member of the armed forces of the United States or the spouse or a dependent of a member of the armed forces of the United States is entitled to classification as an in-state student if the member of the armed forces has claimed this state as the person's state of home record for at least twelve consecutive months before the member of the armed forces, spouse or dependent enrolls in a university under the jurisdiction of the Arizona Board of Regents or a community college under jurisdiction of a community college district governing board. For purposes of this subsection, the requirement that a person be domiciled in this state for one year before enrollment to qualify for in-state student classification does not apply.
7. Immediate classification as an in-state student shall be granted to a veteran who meets the provisions of Arizona statute HB 2091, paragraph G, which reads: G. A person holding an honorable discharge from the uniformed services of the United States from either active duty or reserve or national guard status, or who has retired from active duty or reserve or national guard status, shall be granted immediate classification as an in-state student and, while continuously enrolled, does not lose in-state student classification if the person has demonstrated objective evidence of intent to be a resident of Arizona that, for the purposes of this section, includes at least one of the following:
  1. Registration to vote in this state.
  2. An Arizona driver license.
  3. Arizona motor vehicle registration.
  4. Employment history in Arizona.
  5. Transfer of major banking services to Arizona.
  6. Change of permanent address on all pertinent records.
  7. Other materials of whatever kind or source relevant to domicile or residency status.
8. A veteran using Chapter 30 or 33 benefits who does not otherwise qualify under item 7 above (paragraph G of PL 2091), or a veteran's dependent or spouse who is using transferred Post-9/11 GI Bill® (Chapter 33) benefits or the Marine Gunnery Sergeant John David Fry Scholarship, may be eligible for immediate classification as an in-state student if he/she meets the provisions of Arizona statute HB 2091,

paragraph H: h. A person who, while using educational assistance under 38 United States Code Chapter 30 or Chapter 33, enrolls in a university under the jurisdiction of the Arizona Board of Regents or a community college under the jurisdiction of a community college district governing board within three years after the veteran's discharge from active duty service of ninety or more days or within three years after the service member's death in the line of duty following a period of active duty service of ninety or more days or who remains continuously enrolled beyond the three year period following the discharge of the veteran or the service member's death shall be granted immediate classification as an in-state student and does not lose instate student classification if the person has demonstrated objective evidence of intent to be a resident of this state that, for the purposes of this section, includes at least one of the following:

Students are required to submit the following:

1. Certificate of eligibility letter from the VA Awarding Chapter 30 or 33 benefits or the Fry scholarship, or the Dept. of Defense document approving the transfer of CH. 33 benefits
2. DD-214 proving a minimum of 90 days service and no more than 3 years since discharge or since death of veteran
3. Students must also provide at least one of the following:
  - A. Registration to vote in this state.
  - B. An Arizona driver license.
  - C. Arizona motor vehicle registration.
  - D. Employment history in Arizona.
  - E. Transfer of major banking services in Arizona.
  - F. Change of permanent address on all pertinent records.
  - G. Other materials of whatever kind or source relevant to domicile or residency status.

Effective August 1, 2021, Section 1005 of the new Public Law 116-315 (Johnny Isakson and David P. Roe, M.D. Veterans Health Care and Benefits Improvement Act of 2020) removes the requirement for covered individuals to enroll in a course at a public institution of higher learning within three years of being discharged from the military or within three years after the service member's death in the line of duty in order to receive in-state tuition.

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.*

9. Per Arizona state law, a person who is honorably discharged from the armed forces of the United States on either Active Duty or Reserve or National Guard Status, or who has retired from Active Duty or Reserve or National Guard Status, shall be granted immediate classification as an in-state student on honorable discharge from the armed forces and, while in continuous attendance toward the degree for which currently enrolled, does not lose in-state student classification if the person has met the following requirements:

- A. Registered to vote in this state.
- B. Demonstrated objective evidence of intent to be a resident of Arizona which, for the purposes of this section, include at least one of the following:
  1. An Arizona driver license
  2. Arizona motor vehicle registration

3. Employment history in Arizona
4. Transfer of major banking services to Arizona
5. Change of permanent address on all pertinent records
6. Other materials of whatever kind or source relevant to domicile or residency status

10. A student using any VA educational benefits who does not otherwise qualify under items above shall be granted immediate classification as an in-state student, and while continuously enrolled does not lose in-state student classification if the person has demonstrated objective evidence of intent to be a resident of Arizona that for the purposes of this section, includes at least one of the following:

1. Registration to vote in this state
2. An Arizona driver license
3. Arizona motor vehicle registration
4. Employment history in Arizona
5. Transfer of major banking services to Arizona.
6. Change of permanent address on all pertinent records
7. Other material of whatever kind or source relevant to domicile or residency status.

11. A person who is a member of an Indian Tribe recognized by the United States Department of the Interior whose reservation land lies in the state and extends into another state and who is a resident of the reservation is entitled to classification as an in-state student.

ii. Alien In-State Student Status

1. An alien is entitled to classification as an in-state refugee student if such person has been granted refugee status in accordance with all applicable laws of the United States and has met all other requirements for domicile.
2. In accordance with the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (P.L. 104-208; 110 Stat. 3009-546), a person who was not a citizen or legal resident of the United States or who is not lawfully present in the United States is not entitled to classification as an in-state student pursuant to ARS §15-1802 or entitled to classification as a county resident pursuant to ARS §15-1802.01. A student will be assessed out-of-state tuition until such time that documentation of lawful presence is received in the Office of Admissions and Records/Enrollment Services and (eligibility for) residency is confirmed. Documentation must be provided prior to the end of the term in which residency classification is being requested. Documentation received after the end of term will be used for residency determination in subsequent terms.
3. In establishing domicile, the alien must not hold a visa that prohibits establishing domicile in the United States and this state. After meeting other domicile requirements, students holding valid, unexpired visas in the following categories may be classified as in-state students (See Appendix S-1A):
  - A**=Foreign Government Official or Adopted Child of a Permanent Resident
  - E**=Treaty Traders
  - G**=Principal Resident Representative of Recognized Foreign Member Government to International Staff
  - H**=H1B AND H4
  - K**=Spouse or Child of Spouse of a US Citizen, Fiancé or Child of Fiancé of US Citizen
  - L**=Intracompany Transferee or Spouse or Child
  - N6**=NATO-6

**U, T=Victim of Criminal Activity**

**V=Spouses and Dependent Children of Lawful Permanent Residents**

4. Students who hold a current visa and have submitted an I-485 to U.S. Citizenship and Immigration Services (USCIS), may establish residency if other domicile requirements have been met. Residency eligibility for I-485 applicants may be considered one year after the date on the USCIS Notice of Action letter (I-797) confirming application for permanent resident status provided their prior visa status is one that allows the visa holder to establish domicile in the United States. Students must provide required residency documentation in addition to the (I-797) Notice of Action for residency consideration. In establishing domicile, the alien must be in a status that does not prohibit establishing domicile in this state for at least one year immediately preceding the official starting date of the semester. Exception: In the event that an alien student's parent is allowed to claim the student as an exemption for state or federal tax purposes (3C.1.2.A) (E.G., The student is under 23 and not emancipated), the student's residence is deemed to be the same as the parent's. If the parent holds a visa that is not listed in section 3 above, he or she would not be eligible to establish residency. In such circumstances, the student would likewise be barred notwithstanding his or her own filing of an I-485.
5. Students who hold a current or expired visa and have applied for a change of status will retain their immigration status based on their prior visa status and not the status or visa for which they are applying.

### III. Proving lawful presence in the United States

All applicants for in-state tuition (and other public benefits) must first show at least one of the following documents in accordance with ARS §1-502 to demonstrate that they are lawfully present in the United States by presenting to the Registrar at least one of the following documents:

- H. An Arizona Driver's license issued after 1996 or an Arizona non-operating identification license or an Arizona Instruction Permit
- I. A birth certificate or delayed birth certificate issued in any state, territory, or possession of the United States (A hospital record/certificate and certified Abstract of Birth are not acceptable).
- J. A United States certificate of birth abroad.
- K. A United States Passport.
- L. A Foreign Passport with a United States Visa.
- M. An I-94 Form with a Photograph.
- N. An appropriately designated United States Citizenship and Immigration Services Employment Authorization (Work Permit) or Refugee Travel Document [as listed on the Employee Authorization Document Chart].
- O. A United States Permanent Resident Card
- P. A United States Certificate of Naturalization.
- Q. A United States Certification of Citizenship.
- R. A Tribal Certificate of Indian Blood.
- S. A Tribal or Bureau of Indian Affairs Affidavit of Birth.

Tribal Members\*, the Elderly and "Persons with Disabilities or incapacity of the mind or body," may submit certain types of documents under Section 1903 of the Federal Social Security Act (42 UNITED STATES CODE 1396B, As Amended By Section 6036 Of The Federal Deficit Reduction Act of 2005)\*\*

\* A document issued by a federally recognized Indian tribe evidencing membership or enrollment in, or affiliation with, such tribe.

\*\* If you think that this may apply, please contact the Legal Services Department for assistance.

### IV. Presumptions Relating to Student Status

Unless there is evidence to the contrary, the registering authority of the community college or university at which a student is registering will presume that:

1. No emancipated person has established a domicile in this state while attending any educational institution in this state as a full-time student, as such status is defined by the community college district governing board or the Arizona Board of Regents, in the absence of a clear demonstration to the contrary.
2. Once established, a domicile is not lost by mere absence unaccompanied by intention to establish a new domicile.
3. A person who has been domiciled in this state immediately before becoming a member of the armed forces of the United States shall not lose in-state status by reason of such person's presence in any other state or country while a member of the armed forces of the United States.

V. Proof of Residency

When a student's residency is questioned, the following proof will be required.

1. In-State Residency

- a. An affidavit signed by the student must be filed with the person responsible for verifying residency.
- b. A combination of the following may be used in determining a student's domicile in Arizona:
  1. Arizona income tax return
  2. Arizona Voter registration
  3. Arizona Motor Vehicle registration
  4. Arizona Driver's license
  5. Employment history in Arizona
  6. Place of graduation from high school
  7. Source of financial support
  8. Dependency as indicated on federal income tax return
  9. Ownership of real property
  10. Notarized statement of landlord and/or employer
  11. Transfer of major banking services to Arizona
  12. Change of permanent address on all pertinent records
  13. Arizona Department of Children Services documents related to foster care placement
  14. Other relevant information

2. County Residency

A combination of the following may be used to determine a student's county residency:

1. Notarized statements of landlord and/or employer
2. Source of financial support
3. Place of graduation from high school
4. Ownership of real property
5. Bank accounts
6. Arizona income tax return
7. Dependency as indicated on a Federal income tax return
8. Other relevant information

D. Concurrent Enrollment in Arizona Public Institutions of Higher Education (ARS §15-1807) (See [Appendix S-3](#))

Under Arizona Revised Statutes §15-1807, it is unlawful for any non-resident student to register concurrently in two or more public institutions of higher education in this state including any university, college or community college for a combined student credit hour enrollment of more than six (6) credit hours without payment of non-resident tuition at one of such institutions. Any non-resident student desiring to enroll concurrently in two or more public institutions of higher education in this state including any university or community college for a combined total of more than six (6) credit hours who is not subject to non-resident tuition at any of such institutions shall pay the non-resident tuition at the institution of his choice in an amount equivalent to non-resident tuition at such institution for the combined total of credit hours for which the non-resident student is concurrently enrolled.

AMENDED through the Administrative Regulation Process, June 24, 2021  
AMENDED through the Administrative Regulations Approval Process, June 30, 2020  
AMENDED through the Administrative Regulations Approval Process, November 5, 2019  
AMENDED by Direct Approval from the Chancellor, September 17, 2018  
AMENDED by Direct Approval from the Chancellor, August 30, 2017  
AMENDED by Direct Approval from the Chancellor, August 30, 2015  
AMENDED by Direct Approval from the Chancellor, May 20, 2015

### 2.2.3 Other Admission Information

#### 1. Veterans

By Arizona statute, any failing grades from any Arizona university or community college that were received prior to military service will not be used to determine admission to the community college for the honorably discharged veterans with two years' service in the armed forces of the United States. Students admitted or readmitted to the community college under this statute are subject to progression, retention, graduation and other academic regulations and standards. (See [Withdrawal - Appendix S-7](#))

#### 2. Ability to Benefit

- A. Federal guidelines require that students who are applying for financial aid demonstrate the ability to benefit. Under federal law, a student who enrolls after June 30, 2012, must be a high school graduate, have a GED certificate, or have completed a secondary school education in a home school setting that is treated as a home school or private school under state law, be admitted as a regular student, and be pursuing an eligible degree or certificate to qualify for federal financial assistance under Title IV of the Higher Education Act.
- B. For student enrolled prior to July 1, 2012, an evaluation during the admission process resulted in the student being admitted to the college with the status of Regular, Regular with Provisional Requirements or Special.
- i. "Regular" status, for the purpose of 2.2.3.2, is granted to an individual admitted to the college who is a high school graduate, has a GED certificate, or has completed a secondary school education in a home school setting that is treated as a home school or private school under state law. A student without a high school diploma or GED certification and beyond the age of compulsory high school attendance may be a regular status student if the student has been assessed to benefit from college instruction by receiving qualifying scores on approved assessment instruments. All regular status students must be pursuing a degree/certificate in an eligible program.
  - ii. "Regular with Provisional Requirements" status, for the purpose of 2.2.3.2, is granted to a student admitted to the college who is not a high school graduate, does not have a GED certificate, is beyond the age of compulsory high school attendance, or has completed a secondary school education in a home school setting that is treated as a home school or private school under state law, but has been assessed to benefit from college instruction and is pursuing a degree/certificate in an eligible program.
  - iii. "Special" status, for the purpose of 2.2.3.2, is granted to a student admitted to the college for concurrent enrollment or pursuing one or more courses of special interest and who meets all the requirements for admission.

#### 3. Transcripts

The Maricopa Community Colleges reserve the right to require an official transcript for admission to specific programs, for verification of course requisites and for determination of academic standing. The official transcript must be sent directly from the source institution to the college Admissions and Records Office/Office of Student Enrollment Services. The official transcripts may be sent via a secured website. Please contact the Admissions Office of The Maricopa College you plan to attend to verify which secure websites may be valid.

It is the student's responsibility to ensure that official transcripts have been received and are complete.

Students entering as high school graduates may be required to submit high school transcripts. Please contact the Admissions Office of the Maricopa College you plan to attend for more information on preparing a home-schooled official transcript. Students entering as GED recipients may be required to present a copy of the high school equivalency certificate or official report of qualifying GED scores.

#### 4. Educational Assessment

All students are encouraged to undergo an educational assessment to determine course placement. Prospective students who do not possess a high school diploma or GED equivalence certificate are required to complete an educational assessment to determine their ability to benefit from college instruction. See Student Course Placement Process (AR 2.2.7)

#### 5. High Pressure Recruitment Tactics

The Maricopa County Community College District prohibits its employees from engaging in high-pressure recruitment tactics or in providing to any person or entity engaged in student recruitment, admission activity, or in making decisions regarding the award of Title IV, HEA funds, any commissions, bonuses, or other incentive payments based, in any part, directly or indirectly upon successfully securing enrollments or the awarding of financial aid.(34 CFR 668.14(A)(22)(I)).

**AMENDED through the Administrative Regulations Approval Process, October 23, 2019**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

### 2.2.4 Transfer Credit and Prior Learning Assessment Policy

#### **TRANSFER CREDIT**

A student enrolling at one of the Maricopa Community Colleges after having attended other post-secondary institutions can have coursework evaluated for transfer credit. To be eligible for evaluation, coursework must appear on official transcripts from the source institutions. The official transcripts must be mailed or sent through an approved electronic transfer method directly from the source institutions to the Admissions and Records/Enrollment Services Office of the receiving institutions. Hand-carried and emailed transcripts cannot be accepted for an official evaluation. Students should allow approximately 10 days before confirming with your Maricopa Community College that the transcript(s) was received. The Admissions and Records/Enrollment Services office at the receiving institutions will complete course-by-course evaluations for all submitted transcripts upon student request. The award of transfer credit shall not express or imply that all transfer credit will be fully accepted or applied toward all Maricopa associate's degree and certificate requirements.

The Maricopa Community Colleges will evaluate coursework from institutions listed in the *database of institutions and programs accredited by recognized U.S. accrediting organizations* at the time the coursework was taken. To be "recognized" means that the accreditors in the database have been reviewed by the Council for Higher Education Accreditation (CHEA) or by the U.S. Department of Education (USDE) or both and meet the quality standards of the respective organizations.

College-level courses completed outside the United States and recorded on official transcripts will be evaluated for transfer credit, provided that the institution where the courses were taken is accredited by the Ministry of Education in that country. It is the student's responsibility to submit all foreign and international transcripts to an approved international credential evaluation service to be translated into English (when applicable), evaluated on a course-by-course-basis, and sent directly to the receiving college(s). Contact your College Admissions and Records/Enrollment Services Office to obtain a list of recommended evaluation services.

#### **CONDITIONS OF TRANSFER CREDIT:**

- Credits transferred from outside of MCCCDC graded on a plus/minus grading scale are converted based on the grading scale of the transferring institution. Only courses with a grade of "C" (2.0 on a 4.0 scale) or better are transferable. Course credit below 100 level, earned at an MCCCDC Institution prior to August 2020 or at a sending institution, cannot be used to calculate grade level.
- Developmental coursework below 100-level is accepted for the purpose of fulfilling course prerequisites. However, the credit does not apply toward a degree or certificate, and it does not transfer to another postsecondary institution. It does, however, get added to the Transfer Credit Report as part of the evaluation.
- Courses with different credit systems (quarter hours, units) are converted to semester hours of credit. The semester conversion of quarter credits is at a rate of .67 semester credit hours for each quarter hour.



- The age of credit may be considered in applying credit toward degrees and certificate programs.

**REVERSE TRANSFER OF CREDIT**

In an effort to assist former Maricopa students who have transferred to a university, the Maricopa Community Colleges offer reverse transfer of credit with participating universities. Former Maricopa students may use this opportunity to fulfill previously incomplete coursework requirements. Interested students at participating universities must meet university criteria to qualify for free transcript exchange when available. Participation in reverse transfer of credit does not guarantee coursework applicability or degree or certificate eligibility. Students participating in reverse transfer of credit must meet all curriculum and college requirements.

**PRIOR LEARNING ASSESSMENT (PLA)**

The Maricopa Community Colleges are committed to the idea that people deserve credit for verifiable college-level learning, no matter how it was acquired. Many people have developed learning outside of the traditional classroom. This evaluation of credit is referred to as Prior Learning Assessment, or PLA. Prior learning can be identified and assessed in a variety of ways to determine if college credit should be awarded. Credit is awarded only to certificate or degree seeking students who:

1. plan to enroll, and
2. are admitted and matriculated within the college awarding the credit. Exceptions can be made for contractual agreements.

Students may be awarded no more than 45 credit hours through prior learning assessment, unless required by a specific program of study within the Maricopa Community Colleges. Exceptions include evaluated credit from post-secondary institutions and military credit as indicated on joint service transcripts. Credit awarded for prior learning does not count as hours in residence for graduation requirements. Exceptions to this institutional policy must have prior written approval of the Program Director, Department/Division Chair, or designee and documentation of rationale and approval included as part of the admission process and/or application to graduate. No more than 20 credit hours may be applied to the Arizona General Education Curriculum (AGEC). Please direct questions about Prior Learning Assessment at the Maricopa Community Colleges to the Admissions and Records/Enrollment Services Office.

**PRIOR LEARNING ASSESSMENT FEE SCHEDULE**

No fees are assessed by the college for the following types of Prior Learning Assessment: Transfer credit from nationally recognized institutions, international coursework that has been officially evaluated by a foreign evaluator service (such as Educational Credential Evaluators), standardized college-level exams (such as CLEP, AP, IB, DSST, CIE), GED exams, Military Transcripts, ACE (American Council On Education) transcripts, credit received through organizations and companies that offer nationally recognized credit evaluated by ACE, NCCRS, etc. (STRAIGHTERLINE, NOCTI, STUDY.COM, etc.), industry recognized credentials, Skill Center and clock hour transcripts.

|  |  |
|--|--|
| Departmental Challenge Exam and Credit By Evaluation | \$40 administrative fee if awarded transfer credit |
|--|--|

## **CREDIT BY EXAM (COLLEGE-LEVEL EQUIVALENCY EXAMINATIONS)**

ACE has published credit recommendations for a number of national standardized examinations such as the ones listed below in the *Guide to Educational Credit by Examination*. The Maricopa Community Colleges use these recommendations as guidelines to award credit for equivalent coursework as well as elective credit. The number of credits listed in the *ACE Guide* are recommendations only. A college is not required to grant a student the number of credits recommended.

Scores must be sent directly to the Admissions and Records/Enrollment Services Office from the specific testing companies before credit is awarded; equivalencies are subject to review and change. Credit received through Prior Learning Assessment is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. Therefore, students are strongly advised to research the credit for Prior Learning Assessment policies at any college or university outside of the Maricopa Community Colleges to which they plan to transfer. Credit by exam is awarded based on equivalencies in effect at the time of evaluation. Changes to exams and scores are determined by the respective Maricopa Instructional Councils (ICS) and/or Statewide Articulation Task Forces (ATFS).

### **Maricopa recognizes the following examinations:**

- Advanced Placement (AP)
- American College Testing Proficiency Examination Program (ACT-PEP)
- Cambridge International Exams (CIE), A and AS LEVEL
- College-Level Examination Program (CLEP)
- Departmental Exams (also known as “Challenge Exams”)
- Defense Activity For Non-Traditional Education Support [DANTES] Subject Standardized Tests (DSST)
- GED, College Ready + Scores
- International Baccalaureate (IB) Diploma/Certificate
- Pearson VUE Exams

Fees for standardized exams are the responsibility of the student.

[Current list of exams and scores.](#)

### **ADVANCED PLACEMENT (AP) CREDIT**

Students who have taken an advanced placement course of the College Entrance Examination Board (CEEB) in their secondary school and who have taken an advanced placement examination of the CEEB may receive course credit. Scores must be received directly from CEEB to Admissions and Records/Enrollment Services before credit is awarded.

### **AMERICAN COLLEGE TESTING PROFICIENCY EXAMINATION PROGRAM**

The Maricopa Community Colleges may award credit for the American College Testing Proficiency Examination Program (ACT-PEP) based on the scores earned to Admissions and Records/Enrollment Services.

### **CAMBRIDGE INTERNATIONAL EXAMINATIONS (CIE) A AND AS LEVEL**

Students who have taken a Cambridge International Examination may receive college credit. Scores must be received directly from CIE to Admissions and Records/Enrollment Services before credit is awarded.

### **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

Students who have taken a college level examination of the College Entrance Examination Board (CEEB) may receive college credit. Scores must be received directly to Admissions and Records/Enrollment Services from CEEB before credit is awarded.

Estrella Mountain Community College, Rio Salado College, Paradise Valley Community College, and Mesa Community College are CLEP test sites. For more information on registering for the CLEP examinations, contact the Testing Centers at these colleges.

### **DEPARTMENTAL EXAMS (ALSO KNOWN AS CHALLENGE EXAMS)**

Students may apply for departmental credit by examination in certain courses by obtaining the appropriate form in the Admissions and Records Office, paying the required fee, and completing the examination and other requirements of the college. See fee schedule for appropriate fees. Students may not request:

- To challenge a course a second time;
- To challenge a course while currently enrolled in the course;
- To establish credit in a previously completed course; and
- To establish credit for a lower level of a course in which credit has been received.

#### **ADDITIONALLY:**

- Exceptions may be granted at some of the Maricopa Community Colleges for their unique programs of study. specialized programs may allow courses to be repeated due to the student needing to have recent knowledge of the content in order to progress in the program.
- Academic departments may have additional requirements that must be met before credit may be granted through departmental credit by examination.
- Only grades of A, B, C, D or P earned as a result of this examination will be recorded on the student's transcript. Fees are not refundable after the examination has been administered, regardless of results.
- When credit is granted as outlined above, a notation of "Credit by Examination," a grade and the number of credits will appear on the student's transcript. The grade is used in computing the grade point average.

### **DSST (FORMERLY DEFENSE ACTIVITY FOR NON-TRADITIONAL EDUCATION SUPPORT OR DANTES)**

The Maricopa Community Colleges may award credit for DSST Examination Program to individuals who meet or exceed the ACE recommended scores for awarding credit on the DSST exams. The Maricopa Community Colleges do not award credit for ENG 102 through DSST examination. Credit received through DSST is transferable within the Maricopa Community Colleges, but is not necessarily transferable to other colleges and universities.

The Assessment Center at Rio Salado College is a DSST test site. For additional information on registering for DSST examinations, call (480) 517-8560.

Students who have taken a DSST examination may receive college credit. Scores must be received directly from DSST before credit is awarded.

### **GED EXAMS**

The Maricopa Community Colleges may award credit for GED subject area scores designated as College Ready + in accordance with the ACE recommended scores. The transcript needs to be sent directly by the Department of Education to the Admissions and Records Office /Enrollment Services in order to be awarded credit. **DISCLAIMER: TEST SCORES ARE CONTINUALLY REVIEWED AND MAY BE UPDATED AT ANY TIME.**

### **EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES**

The Maricopa Community Colleges may award credit for military experiences based on the ACE Guide to the Evaluation of Educational Experiences in the Armed Services. A student may receive college credit if:

- Training parallels a discipline area offered through the Maricopa Community Colleges, and
- Credit meets a program requirement or is used as elective credit.

Upon request, individuals who have successfully completed basic training, four (4) credit hours in physical education will be awarded as indicated in the ACE Guide and the Community College of the Air Force Catalog. Official documentation of military training is required.

### **INTERNATIONAL BACCALAUREATE (IB) DIPLOMA/CERTIFICATE**

Students who present an international baccalaureate diploma/certificate may qualify for college credit. Maricopa grants credit for college-level courses only. Scores must be received directly from the institution where the exams were administered before credit is awarded.

### **CREDIT BY EVALUATION**

#### **COLLEGE CREDIT RECOMMENDATION SERVICE**

ACE evaluates training programs offered by business, industry, and government and publishes its credit recommendations in *The National Guide*. If a student has received training that appears in the guide, he or she may receive college credit if:

- Training parallels a discipline area offered through the Maricopa Community Colleges, and
- Credit meets a program requirement or is used as elective credit.

#### **DEPARTMENTAL CREDIT BY EVALUATION**

Students may apply for Departmental Credit by Evaluation in certain courses by obtaining the appropriate form in the Admissions and Records /Enrollment Services Office. The completed Credit by Evaluation form and the required fees are due to the college when the Credit by Evaluation request is submitted.

Some academic departments may have additional requirements that must be met before credit may be granted through Departmental Credit by Evaluation. When credit is granted a notation of "Credit by Evaluation," and the number of credits will appear on the student's transcript. These credits are not used in computing the grade point average. Credit by Evaluation is transferable within the Maricopa Community Colleges, but is not necessarily transferable to other colleges and universities. Students may not request:

- To challenge a course a second time;
- To challenge a course while currently enrolled in the course;
- To establish credit in a previously completed course; and
- To establish credit for a lower level of a course in which credit has been received.

### **PLA AND TRANSFER DISCLAIMER**

If pursuing a transfer degree (AA, ABUS, AS, AAEE, AAFA, or Articulated Academic Degree Program), transfer credit and PLA will be granted for the purpose of satisfying Maricopa graduation requirements. Because credits may not transfer to all colleges or universities, contact your transferring institution to determine their transfer credit and PLA requirements and policies.

**AMENDED through the Administrative Regulations Approval Process, June 24, 2021**

**AMENDED through the Administrative Regulations Approval Process, June 30, 2020**

**AMENDED through the Administrative Regulations Approval Process, November 5, 2019**

**AMENDED by Direct Approval from the Chancellor, August 10, 2018**

**AMENDED by Direct Approval from the Provost, May 8, 2018**

**AMENDED by Direct Approval from the Chancellor, June 28, 2017**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

**AMENDED by Direct Approval from the Chancellor, January 4, 2017**

## **2.2.6 Academic Advising, New Student Orientation, and Student Success Course**

### **1. Academic Advising**

Students who will be attending college for the first time, and intend to earn an Associate's degree or to transfer to a college/university to complete a Bachelor's degree, will be required to meet with an academic advisor prior to the start of their first semester at a MCCCCD college.

i. Recent high school students who received MCCCCD credits through Dual/Concurrent Enrollment, ACE, Hoop of Learning, or any MCCCCD Early Outreach Program are considered first time to college.

## 2. New Student Orientation

Students who will be attending college for the first time, and intend to earn an Associate's degree or to transfer to a College/university to complete a Bachelor's degree, will be required to attend New Student Orientation prior to the start of their first semester at a MCCCCD College.

i. Recent High School students who received MCCCCD credits through Dual/Concurrent Enrollment, ACE, Hoop of Learning, or any MCCCCD Early Outreach Program are considered first time to college.

## 3. Student Success Course

Students who will be attending college for the first time, and intend to earn and associate's degree or transfer to a college/university to complete a bachelor's degree will be required to successfully complete a college success course (CPD150 or CPD115/AAA115) within the first two semesters at a MCCCCD college, unless they have completed high school within the last 10 years with a cumulative, unweighted grade point average of 2.6 or above. colleges have the leeway to determine if a student who is not first-time or enters with a cumulative grade point average of 2.6 or higher should have the college success course (CPD150 or CPD115/AAA115) added to their program requirements.

**AMENDED by Direct Approval from the Chancellor, April 16, 2020**

**AMENDED through the Administrative Regulations Approval Process, June 4, 2019**

## 2.2.7 Student Assessment and Course Placement

### 1. Course Placement

A. Students who plan to register in English, Reading, or Math will be advised to enroll into courses based on valid District-approved placement methods.

B. Students who place into course(s) that are below college-level (i.e., below 100-level) will be advised to enroll into the course(s) within the first two semesters.

C. A department/division chair or designee may grant a course placement waiver under special circumstances. The signed waiver will be noted on the student's electronic record. The process may also be done electronically without a signature if supported by the attending college.

D. Course placement will be determined utilizing the district placement options under any one of the following conditions:

- i. The student is taking his or her first college credit English, reading or math course, or any college course for which English, reading or math is a prerequisite.
- ii. The student is pursuing a degree or transfer pathway and does not have current valid District approved course placement on file or does not have previous college credit in English, reading and math.
- iii. The student for whom English is not the primary language and who is taking his or her first English as a Second Language class is required to take a test of English proficiency.

E. Students will be exempt from the course placement process if at least one of the following conditions apply:

- i. The student has earned an associate or higher degree from a regionally accredited college.
- ii. The student has earned college credits from a regionally accredited college in English, reading, and math with a grade of C or higher.
- iii. The student has currently valid District approved course placement scores on file.

- iv. The student who is exempt from the course placement process must still fulfill the minimum graduation requirements.

## 2. Determining Course Placement

Maricopa County Community Colleges use multiple placement options. In cases, when a course placement test is given, scores will be valid for two years. Other placement methods will also have limited time validity. For additional information, go to [PLACEMENT](#).

- A. Reading placement test scores that indicate “exempt from CRE101” do not expire.
- B. Students will be permitted one re-test in English, reading, or by math level after at least a 24-hour waiting period. One additional re-test is permitted no sooner than three months from the oldest valid score date at any course placement testing site.
- C. The Vice President of Student Affairs or designee may approve re-testing for students with special needs or circumstances. The re-test date will then serve as the date of record.

## 3. Implementation of Policy

To ensure consistency of the course placement process within the Maricopa Community Colleges:

- A. All colleges shall accept the same approved course placement methods.
- B. All colleges shall adhere to the same approved placement scores.
- C. All colleges shall adhere to the approved limited time validity for each course placement method. for more information, go to: [PLACEMENT](#).
- D. Reading Placement Scores that Indicated “Exempt from CRE101” Do Not Expire.

## 4. Evaluation

The Maricopa Community Colleges will provide an ongoing evaluation of the course placement process. An annual report shall be submitted to the Governing Board to indicate the policy's effectiveness noting the number of students assessed, their placement scores and their success in courses. Every three years a thorough review of the policy and procedures shall be implemented, including recommendations from the English, Reading and Math Instructional Councils regarding cut-off scores, course placement assessment tools and procedures.

**AMENDED through the Administrative Regulations Approval Process, June 4, 2019**

### 2.2.8 Registration

Students must register according to the dates indicated, and in the manner described in the college class schedule. To be eligible for registration, students must have completed the appropriate steps listed under the Admissions section. The college may allow early or priority registration. Tuition and fees must be paid or payment arrangements made by the due date to secure class enrollment. Students may not attend a class for which they are not registered.

The colleges reserve the right to enroll students in courses. The final decision for admission to any class for students admitted under section 2 of AR 2.2.1 will be determined by the designated college administrator in consultation with the department chairperson and/or faculty.

Class Registration Deadlines:

1. For classes with published start dates and meeting times, registration in the class must be completed before the first official class meeting date and time. Students may not register for a class once it has started. Self-Service registration for a class through [my.maricopa.edu](http://my.maricopa.edu) will end at 11:59 PM on the day before the class starts. Registration for a class on the date it starts must be done in person or on the phone, and must be completed before the class start time.
2. For classes without published meeting times (for example, online classes, special projects), registration in the class must be completed by 11:59 PM on the day before the class starts.
3. Exceptions
  - a. Exceptions to class registration deadlines require permission of appropriate instructor(s) and approval of the appropriate department/division chair or designee.
  - b. Exceptions are limited to
    - i. Courses requiring permission of instructor
    - ii. Courses requiring auditions or try-outs

- iii. Courses for Special Populations or Cohorts
- iv. Enrollment in an alternative section of a course taught by the same instructor
- v. Enrollment in an alternative section of a course taught by a different instructor
- vi. Course level changes
- vii. Students dropped for non-payment during the 100% refund period may be reinstated if they attended since the first class meeting.
- viii. Students dropped due to Human or system errors may be reinstated if they attended the first class meeting.
- ix. Other exceptions may be granted after faculty consultation with the student.

### 2.2.9 Tuition and Fees Policy

Tuition and fees are public monies within the jurisdiction and responsibility of the Maricopa Community Colleges Governing Board under the laws and regulations of the State of Arizona and must be administered by the Governing Board. The Governing Board reserves the right to change tuition and fee charges when necessary without notice. All students are classified for tuition purposes under one of the following residency classifications:

1. Maricopa County resident
2. Out-of-County resident
3. Out-of-State resident (including F-1 non-immigrant students)

Residency for tuition purposes is determined in accordance with state law (ARS §§15-1801 et seq.) and regulations of the Maricopa Community Colleges Governing Board. All of the Maricopa Community Colleges are subject to the above statutes and regulations. Students who have questions about their residency should contact the Admissions and Records Office/Office of Student Enrollment Services for clarification.

Students attending more than one Maricopa Community College will be assessed fees for their enrollment at each of the Maricopa Community colleges/centers. (Students who are considered to be out-of-state residents for tuition and fees purposes should refer to Appendix S-3, Concurrent Enrollment in Arizona Public Institutions of Higher Education.)

#### 1. Time of Payment\*

All tuition, fees, assessments and deposits must be paid at the time of registration or by the specified deadline date and in accordance with the fee schedule approved by the Maricopa Community Colleges Governing Board.

#### 2. Tuition and Fees Schedule (Effective July 1, 2018 for fall, spring and summer Sessions)\*

Current information can be found at <https://district.maricopa.edu/regulations/admin-regs/appendices/students/s-4>

The following is a tuition and fees schedule for 2018-2019 and is provided for reference. ***These tuition and fees are subject to change.*** Consult the college's Admissions and Records Office/Office of Student Enrollment Services for course fees in effect during the semester/term in which you intend to register. See [Appendix S-4](#).

**Amended by Direct Approval from the Chancellor, November 21, 2018**

### [Appendix S-4: Tuition & Fee Schedule - Tuition Discounts for 2020-2021 Academic Year](#)

#### A. Determine Student Residency Status

Refer to admissions information ([AR 2.2.2](#)) of the college catalog for residency information and to review the requirements for classification as a Maricopa county resident. Contact the Admissions and Records Office/Office of Student Enrollment Services if you have questions about residency requirements.

#### B. Use the Chart to Locate Tuition Charges

Determine the correct column based on your residency status and then select the number of credit hours. The general tuition chart is provided for reference only.

#### C. Add Any Additional Fees

A one-time, per semester \$15 registration fee is due by the official start of the term (semester) or by the specified due date or at time of registration.

#### D. There may also be additional course fees for classes, please refer to the college schedule for course fees.

- E. If you choose to audit a class, add an additional fee of \$25 per credit hour.
- F. Additional course fees may apply for specific courses. Check with the college's Admissions and Records Office/Office of Student Enrollment Services for a current listing of course fees.
- G. Pay Your Fees  
Payment of fees may be made by cash, check, money order, VISA, MasterCard, Discover or American Express. Payment Plan options are also available.

*NOTE: If you do not pay your tuition and fees at the time of registration or by the specified due date, you may be dropped from your classes and may be responsible for the tuition and fees based on the refund schedule which outlines the refund deadlines for each course.*

**Skill Center Tuition Rates**

|                   |                       |
|-------------------|-----------------------|
| Regular           | \$5.00 per clock hour |
| Nursing Assistant | \$6.00 per clock hour |
| Practical Nursing | \$6.00 per clock hour |

**Amended through the Administrative Regulations Approval Process, May 5, 2017**

**Credit by Examination & Credit by Evaluation (excludes Allied Health courses)**

|               |                         |
|---------------|-------------------------|
| Regular Rate  | \$85.00 per credit hour |
| Contract Rate | \$42.50 per credit hour |

**3. Outstanding Debts**

Any debt or returned check may revoke a student's current enrollment and the student's right to register in subsequent semesters at all Maricopa Community Colleges. Delinquent debts may require penalties, late charges, collection costs, and/or legal fees to be paid before good standing is restored to the student.

The following procedure will be used for the collection of returned checks and other outstanding debts:

- A. The designated college official or fiscal officer is responsible for:
  - i. Verifying the student's district wide debt,
  - ii. Attempting to notify the student of the debt and
  - iii. Attempting to collect the debt.
- B. Maricopa Community College services may be withheld pending payment of debt (at designated college office) with cash, certified check or money order or online with debit or credit card or in person with credit card. Student may be withdrawn from classes.
- C. If other collection attempts fail, the Maricopa Community Colleges District Office will either collect or use other means available, including:
  - i. Collection agency, requiring payment of collection fees by the student;
  - ii. The Tax Refund Setoff Programs as stated in ARS §42-1122;
  - iii. Litigation, requiring payment of court costs and legal fees by the student.
- D. Debt Holds may be lifted only in limited instances by the appropriate College or District business services designee for the extension of services provided that at least one of the following conditions are met:
  - i. MCCCCD staff verify that full payment has been made to another College;
  - ii. The College can deduct payment from a financial aid award made to the student (referring to student authorization guidelines for regulations on applying federal financial aid to debt balances);
  - iii. A third party not related to the student, such as an employer or state agency, makes a verified payment directly to the College;
  - iv. It is determined and verified with the appropriate MCCCCD office that the hold resulted from a system error and the error is due to an activity that requires correction by the appropriate College or District personnel.



Admission Criteria to Attend a College within the Maricopa Community College District (MCCCD) is determined in accordance with state law (ARS §§15-1805.01 AND 15-1821) and regulations of the Maricopa Community Colleges Governing Board and the Chancellor. As such, participants enrolled in courses as part of third party agreements are also subject to the same admissions criteria. This includes the participants resolving any current enrollment or administrative holds that are unrelated to the Third party in an existing student account, but that otherwise impact his/her eligibility to enroll in courses or participate in programs delivered by MCCCD faculty or staff.

**4. Discounted Fees and Waivers**

- A. Citizens 62 years of age and older shall be issued ID cards that allow them the privilege of attending events at no cost and that allow them to use the library facilities.
- B. Employees, Dependents and Mandated Groups  
The Maricopa Community College District waives tuition and student activity fees for credit-hour courses for employees and their dependents, and for legislatively mandated groups. Special fees and fees for Non-credit/Special interest Community Services courses are not waived.
- C. Tuition and Registration Fee Waiver for Members of the Pima-Maricopa Indian Community  
Tuition and fee waivers shall be funded through Auxiliary Fund Monies for college credit courses for the enrolled members of the Pima-Maricopa community who live on the Pima-Maricopa Reservation.

All other guidelines and procedures established for the purpose of administering waivers, affidavits and exemptions are outlined in the Maricopa County Community College District tuition waiver manual.

**2.2.10 Refund Policy**

**1. Refund Policy for Credit/Clock Classes**

Students who officially withdraw from credit/clock classes (in fall, spring, or summer) within the withdrawal deadlines listed below will receive a 100% refund for tuition, class and registration fees. Deadlines that fall on a weekend or a college holiday will advance to the next college workday except for classes fewer than 10 calendar days in length or as specified by the college. Calendar days include weekdays and weekends. Refer to individual colleges for withdrawal and refund processes. Never attending is not an allowable refund exemption or an excuse of the debt incurred through registration.

| Length of Class     | Official Withdrawal Deadlines for 100% Refund  |
|---------------------|--|
| 1-9 calendar days   | Prior to the class start date                  |
| 10-19 calendar days | 1 calendar day including the class start date  |
| 20-29 calendar days | 2 calendar days including the class start date |
| 30-39 calendar days | 3 calendar days including the class start date |
| 40-49 calendar days | 4 calendar days including the class start date |
| 50-59 calendar days | 5 calendar days including the class start date |
| 60-69 calendar days | 6 calendar days including the class start date |
| 70+ calendar days   | 7 calendar days including the class start date |

*\*Course fees and registration processing fees will be refunded only if the student qualifies for a 100% refund. Debts owed to any MCCCD college must be satisfied before any refunds are paid to the student. Refunds for students receiving federal financial assistance are subject to federal guidelines. Requests for exceptions to the refund policy must be filed within one year from the semester in which the course was taken.*

**2. Refund Policy for Non-Credit Classes**

Unless otherwise specified, students must drop non-credit classes prior to the course start date to be eligible for a 100% refund.

**3. Canceled Classes**

When a class is canceled by the college, a 100% refund will be made.

**4. Refund Exceptions**

Students withdrawing from a college or from courses for one of the following reasons must submit a written request for a refund exception to the Admissions and Records Office/Office of Student Enrollment Services or designated college official:

- A. A student with a serious illness, verifiable by a doctor's written statement that the illness prevents the student from attending all classes for the semester. The doctor's statement must be on file with the college before a refund can be given.
- B. Serious illness or death of an immediate family member that prevents the student from attending all classes for the semester. Immediate family members include spouse/partner, father, mother, grandfather, grandmother, child, foster child, grandchild, stepchild, sibling, stepsibling, stepfather, stepmother, or spouse's/partner's father, mother, grandfather, grandmother, or in-laws in any one incident. Appropriate documentation must be provided before a refund can be given.
- C. Death of a student. Appropriate documentation must be provided before a refund can be given.
- D. A student in the armed forces or the Arizona National Guard who is called to active duty and assigned to a duty station, verifiable by a copy of the orders, will be allowed to withdraw and receive a 100% refund of tuition, provided courses have not been completed.

Requests for a total withdrawal from a college or courses for one of the above reasons may result in a partial prorated refund of tuition, provided courses have not been completed. All decisions made by the college are final.

**Limitation:** Never attending is not an allowable refund exception or an excuse of the debt incurred through registration

##### **5. Refund Policy for Department of Defense Tuition Assistance Funds**

Students who receive tuition assistance (TA) funds for a course or courses from the department of defense (DOD) may have a refund processed and returned to the student's DOD branch of service in the following situations. Refer to individual colleges for withdrawal and refund processes.

- A. Per refund exception D, a student who is called to active duty and assigned to a duty station, verifiable by a copy of the orders, will be allowed to withdraw, provided courses have not been completed. A 100% refund of TA funds will be issued to the student's DOD branch of service.
- B. A student who withdraws for reasons other than those outlined above within the first 60% of the period for which funds were received will have the proportional amount of unearned TA funds returned to the student's DOD branch of service. Refer to individual colleges and DOD branch of service for potential student financial responsibility as a result of withdrawal.

*Requests for refund should be referred directly to the college of enrollment.*

**AMENDED by Direct Approval from the Chancellor, January 13, 2020.**

**AMENDED through the Administrative Regulations Approval Process, May 5, 2017**

### **2.2.11 Student Financial Assistance**

The Maricopa Community Colleges provide students financial assistance to enable access to higher education. Student financial assistance shall be awarded on the basis of demonstrated financial need except where funds are specified for recognition of special talents and achievements. Additional procedural information on financial assistance is available in [Appendix S-5](#).

#### **Appendix S-5: Student Financial Assistance**

The Maricopa Community Colleges provide students financial assistance to enable access to higher education. Student financial assistance shall be awarded on the basis of demonstrated financial need except where funds are specified for recognition of special talents and achievements. Only those with a lawful presence in the United States may qualify for federal financial aid or Maricopa County Community College District (MCCCD) scholarships. Under Arizona law, any information the student provides about his or her legal status when applying for financial aid or publicly funded scholarships may be subject to mandatory reporting to federal immigration authorities. This does not apply to applications for the private scholarship funds held in and distributed by the Maricopa Community Colleges Foundation.

The office of financial aid may request to have the validity of a student's high school completion evaluated if either the college or the United States Department of Education has reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education. An evaluation may be conducted on the basis of any of the following:

- Alerts, bulletins, or similar communications provided by any state, federal, or other governmental agency, another institution, a professional or similar organization, or any other resource that might provide information helpful to the evaluation;
- A transcript or other record received from another institution the student may have attended;
- The contents of the student's Free Application for Federal Student Aid, student information form, or any other information the student provides to the college;
- The independent professional judgment by any official of the office of student financial aid.

### **How to Apply for Federal Financial Aid**

New students must complete the Free Application for Federal Student Aid (FAFSA) or FAFSA on the Web at <http://www.fafsa.ed.gov/>. Each academic year, continuing students must reapply by completing a FAFSA, Renewal FAFSA, or FAFSA on the Web. Scholarships require separate applications. Specific information regarding financial assistance, including application deadlines or priority dates, may be obtained from the college Office of Student Financial Aid.

### **Types of Aid**

Grants, loans, student employment, and scholarship funds may be available from federal, state, and/or private sources.

The Maricopa Community Colleges Foundation offers a variety of scholarship opportunities. Scholarship opportunities are available year round. However, most scholarships are posted mid-January and most deadlines are the last week of March. Options are available at <https://mcccdf.org/> or by calling 480-731-8400.

### **Distribution of Aid**

Criteria by which aid is distributed among eligible financial aid applicants are available on request at the college Office of Student Financial Aid.

### **Rights and Responsibilities**

Students should read all information provided in the process of applying for federal financial aid in order to gain a greater knowledge of all the rights as well as responsibilities involved in receiving that assistance.

### **Satisfactory Academic Progress**

Specific requirements for academic progress for financial aid recipients are applied differently than scholastic standards. In addition to scholastic standards which are explained elsewhere in this catalog, financial aid recipients are also subject to the following [Standards of Satisfactory Academic Progress](#). Specific information is available at the college Office of Student Financial Aid.

### **Refunds and Repayments**

In accordance with federal regulations (CFR 668.22), a student may be required to repay federal financial aid funds if they completely withdraw, are withdrawn, or fail to earn a passing grade from all classes during a semester. Further information is available at the college Office of Student Financial Aid. This could affect a student's ability to receive Financial Aid in the future at any school. For a student receiving Financial Aid, also see [Appendix S-7](#) for Withdrawal procedures.

### **Verification of Information**

1. A Free Application for Federal Student Aid (FAFSA) or a change to that FAFSA may be selected for verification. If a student's FAFSA is selected for verification, the student will be notified via the Student Center in my.maricopa.edu. In most cases, the student will be required to submit documentation as part of the verification process. The earlier the Financial Aid Office receives the required documentation, the earlier the student's eligibility for financial aid can be

determined. The verification process must be completed no later than 120 days after the last date of enrollment or August 31, whichever comes first. In addition, the Financial Aid Office must receive a final and valid electronic SAR by the student's last day of enrollment or June 30 of the award year, whichever comes first. The verification process must be completed before the Financial Aid Office can award any federal aid.

2. If an award has already been made and a FAFSA is selected for verification, the student must provide required documentation within thirty days after it has been requested of the student or on June 30, whichever comes first. If documentation is not received within this deadline, the student's award may be adjusted or canceled.
3. The required forms and documents a student submits for verification will be compared to the information reported on the student's FAFSA. If the information provided does not match what is shown on the FAFSA, the Financial Aid Office will submit changes to the US Department of Education FAFSA processor. After all changes are made to the FAFSA data, the student's eligibility for financial aid will be reviewed. If there are any changes to the student's financial aid eligibility as a result of verification, the student will be notified by means of the Student Center in my.maricopa.edu. If, following verification, the institution discovers evidence of student aid fraud (including identity theft), waste or abuse of US Department of Education funds, such evidence may be referred to the Office of Inspector General of the US Department of Education.

### **Award Amount and Level of Enrollment**

Award amount is determined, in part, on the level of enrollment. A reduction in course load after financial aid has been awarded may result in an adjusted financial aid award. Federal student aid recipients are advised to register at the same time for all classes they intend to take during a semester to maximize award. Some federal aid may not be awarded for classes added at a later date. Contact the college Office of Student Financial Aid for more information.

### **Repeated Coursework and Financial Aid Enrollment Status**

Federal regulations regarding repeated coursework may impact your financial aid eligibility and awards. Federal regulations specify that students may receive federal financial aid funding for one repetition of a previously passed course. A passed course is defined as one in which a grade of A, B, C, D, or P is received. If you enroll in a course in which you have previously received passing grades twice, the course will not be counted towards your enrollment level for financial aid purposes. You may repeat a failed course until it is passed. Your enrollment for financial aid purposes will be calculated accordingly.

### **Maricopa Community Colleges Standards of Satisfactory Academic Progress (SAP) for Financial Aid Eligibility**

Federal regulations (CFR 668.32(f) and 668.34) require a student to move toward the completion of a degree or certificate within an eligible program when receiving financial aid. Specific requirements for academic progress for financial aid recipients are applied differently than Scholastic Standards. Federal regulations state that Academic Progress Standards must include a review of all periods of enrollment, regardless of whether or not aid was received. Students will be evaluated using the standards described below. Failure to meet any of these minimum standards will result in loss of title IV, HEA program (federal financial aid) eligibility.

To remain eligible for federal and state aid programs, students must meet ALL of MCCC'D's Satisfactory Academic Progress (SAP) standards regardless of whether a student has received financial aid in the past or not. These standards apply to a student's entire academic records at any MCCC'D college, including transfer credit hours accepted by the college.

#### **1. Definitions and Terminology Pertaining to this Policy**

- A. Summer: Enrollment in the summer semester includes all courses scheduled within the summer enrollment period with all coursework counted in the SAP evaluation.
- B. Non-Standard Session / Clock Hour: Sessions that do not follow the traditional start and end dates for the semester.
- C. Attempted Credit: Any credit for which a grade of A, B, C, D, F, I, IP, N, P, W, Y, or Z is received and courses not yet graded.
- D. CGPA [Cumulative Grade Point Average]: The MCCC'D grading policy is published in the administrative regulations at 2.3.3. The CGPA does not include credits accepted in transfer.

- E. Financial Aid Warning: status assigned to an eligible payment period for the next enrolled semester after failing SAP GPA (2.0) and/or Completion Pace ( $\frac{2}{3}$ ). Students not meeting maximum timeframe evaluation are not eligible for a warning period.
  - F. Appeal: A process by which a student who is not meeting the institution's satisfactory academic progress standards is eligible to appeal the institution for reconsideration of the student's eligibility for title IV, HEA program assistance based on extenuating circumstances.
  - G. Extenuating Circumstance: A one-time (not on-going) circumstance that is beyond the reasonable control of the student.
  - H. Financial Aid Probation: A status assigned by an institution to a student who fails to make satisfactory academic progress and who has appealed and has had eligibility for aid reinstated. A student in this status may not receive title IV, HEA program funds for the subsequent payment period unless the student makes satisfactory academic progress or the institution determines that the student met the requirements specified by the institution in the academic plan for the student.
  - I. Academic Plan – A plan developed through the SAP Appeal Process which will lead a student to qualify for further title IV, HEA program funds and complete the program within 150% of published program length.
  - J. Financial Aid Suspension – The status assigned upon failing to meet the minimum SAP standards or the terms of probationary status. Students in this status are not eligible to receive title IV, HEA assistance.
2. Federal regulations (CFR 668.32(f) and 668.34) require institutions of higher education to evaluate Satisfactory Academic Progress (SAP) using qualitative (GPA) and quantitative (pace of progression) standards.
  3. Qualitative and quantitative measures of SAP are required to ensure students receiving Federal Student Aid are progressing towards the completion of a degree or certificate within an eligible program.
  4. Specific requirements for academic progress for Federal Student Aid recipients are applied differently than Scholastic Standards. Federal regulations state that SAP Standards must include a review of all periods of enrollment, regardless of whether or not aid was received. Standards are applicable for all enrolled payment periods, including all levels of enrollment (full-time or part-time enrollment). Students will be evaluated using the standards described below.
  5. Failure to meet any of the minimum standards outlined below will result in a student's loss of HEA, Title IV Federal Student Aid.

### Evaluation Period

1. Standards of Satisfactory Academic Progress (SAP) will be evaluated at the end of each payment period. For credit hour programs, a payment period is a semester (Fall, Spring, and Summer). For clock hour programs, a payment period / evaluation will depend on the hours required in the program.
2. Standards of Satisfactory Academic Progress (SAP) are evaluated based on qualitative (GPA), quantitative (pace of progression), and maximum timeframe. Failure to meet any of these standards may result in the loss of eligibility for financial aid. Grades of F, I, N, W, Y, Z, and courses not yet graded are considered attempted, but not completed in evaluating SAP. Late grades will be recalculated and may change eligibility.
  - a. **Grade Point Average Qualitative Measurement:** Students must maintain a 2.0 cumulative Grade Point Average in order to meet SAP GPA requirements.
  - b. **Pace of Progression Quantitative Measurement:** Students must successfully complete  $\frac{2}{3}$  (66.67%) of all attempted course work. For clock hour programs, please refer to program attendance requirements.
  - c. **Maximum Time Frame Measurement:** Students must be able to complete their program within 150% of the published program length. Once students have attempted 150% of the published program length, they are no longer eligible for Federal Student Aid. For example, a 16 credit certificate program will allow up to 24 credit hours to complete the

program. A 60 credit Associate's degree will allow up to 90 credit hours to complete the program.

3. Courses included in SAP evaluation:

- a. All attempted coursework, regardless of enrollment status
- b. Courses funded through a Consortium Agreement
- c. All attempted remedial credits, including English as a Second Language (ESL) courses.
- d. Repeated course work
- e. All transferred coursework
- f. Grades attempted, but not completed (F, I, N, W, Y, Z)

4. Course work included in the Maximum Time Frame evaluation:

- a. All of those included in the Pace of Progression evaluation
- b. Any Bachelor's degree (or higher) earned will be considered to have exhausted maximum timeframe eligibility
- c. All coursework forgiven through the Academic Renewal Process

5. Course work not included in SAP evaluation:

- a. Audited courses
- b. Non-credit courses
- c. Credit by examination
- d. Credit for prior learning option (as outlined in the college general catalog)

### **Notification**

Students who have applied for Federal Student Aid, but are not meeting Satisfactory Academic Progress requirements, will be notified via email of their FA Warning or ineligibility for financial aid. The notification will direct students to information regarding available college resources during the Warning Period and the appeal process in cases of extenuating circumstances.

### **Financial Aid Warning**

Students are allowed a warning period upon failing Qualitative and/or Quantitative SAP standards. The warning period allows one (1) payment period (semester) of Federal Student Aid eligibility upon failing SAP. The warning period will follow the semester for which SAP was not met, meaning the next semester for which the student registers for classes. In order to receive the Warning period, students must be meeting Maximum Timeframe requirements.

### **SAP Appeal**

Any student who has lost federal student aid eligibility due to a resolved, one-time extenuating circumstance may appeal to have their financial aid reinstated by completing a Satisfactory Academic Progress Appeal Form. The form must address:

1. what caused the student's work to fall below acceptable standards--specific explanations must be provided, including any supporting documentation,
2. each incomplete/failed course,
3. how the extenuating circumstance has been resolved, and
4. how the student will maintain good academic standards and progress toward the degree if the appeal is granted.

The outcome of the appeal will depend upon:

1. the nature of the extenuating circumstances (if the stated circumstance qualifies as such),
2. the quality of the documentation provided, and
3. how well the student has demonstrated the ability to progress towards degree completion within a reasonable time period.

All documentation submitted is confidential. All decisions are final and cannot be appealed. For assistance in completing the SAP appeal paperwork, including examples of supporting documentation, visit your college Financial Aid Office.

Students will be notified of the results of their appeal within ten (10) days of filing the appeal. Notification will include any restrictions or conditions pertaining to their appeal. The outcome of an appeal may include a probationary period. Appeals granted longer than one (1) payment period must include an academic plan, which must be followed. Failure to follow an approved academic plan will result in immediate suspension of Federal Student Aid. Students are responsible for any and all debt incurred as a result of this adjustment to financial aid. Failure to successfully complete all conditions during the probationary period (as defined in the academic plan) will result in loss of future financial aid eligibility.

### **Regaining Eligibility**

A student who has lost financial aid eligibility may only regain eligibility by meeting the minimum SAP standards. Transfer coursework taken at other colleges will be considered for reinstatement purposes.

If you are receiving federal financial aid it is important to read the information below prior to making a decision to withdraw.

### **Treatment of Title IV Aid When a Student Withdraws**

The law specifies how your school must determine the amount of Title IV program assistance that you earn if you withdraw from school. The Title IV programs that are covered by this law are: Federal Pell Grants, National SMART grants, TEACH Grants, Stafford Loans, PLUS Loans, Federal Supplemental Educational Opportunity Grants (FSEOGs), and Federal Perkins Loans.

When you withdraw during your payment period or period of enrollment (you may contact the Financial Aid office to define these for you and tell you which one applies) the amount of Title IV program assistance that you have earned up to that point is determined by a specific formula. If you received (or your school or parent received on your behalf) less assistance than the amount that you earned, you may be able to receive those additional funds. If you received more assistance than you earned, the excess funds must be returned by the school and/or you.

The amount of assistance that you have earned is determined on a pro-rata basis. For example, if you completed 30% of your payment period or period of enrollment, you earn 30% of the assistance you were originally scheduled to receive. Once you have completed more than 60% of the payment period or period of enrollment, you earn all the assistance that you were scheduled to receive for that period.

If you did not receive all of the funds that you earned, you may be due a post-withdrawal disbursement. If your post-withdrawal disbursement includes loan funds, your school must get your permission before it can disburse them. You may choose to decline some or all of the loan funds so that you don't incur additional debt. Your school may automatically use all or a portion of your post-withdrawal disbursement of grant funds for tuition, fees, and room and board charges (as contracted with the school). The school needs your permission to use the post-withdrawal grant disbursement for all other school charges. If you do not give your permission, you will be offered the funds. However, it may be in your best interest to allow the school to keep the funds to reduce your debt at the school.

There are some Title IV funds that you were scheduled to receive that cannot be disbursed to you once you withdraw because of other eligibility requirements. For example, if you are a first-time, first-year undergraduate student and you have not completed the first 30 days of your program before you withdraw, you will not receive any FFEL or Direct loan funds that you would have received had you remained enrolled past the 30th day.

If you receive (or your school or parent receives on your behalf) excess Title IV program funds that must be returned, your school must return a portion of the excess equal to the lesser of:

1. your institutional charges multiplied by the unearned percentage of your funds, OR
2. the entire amount of excess funds. The school must return this amount even if it didn't keep this amount of your Title IV program funds.

If your school is not required to return all of the excess funds, you must return the remaining amount. Any loan funds that you must return, you (or your parent for a PLUS Loan) repay in accordance with the terms of the promissory note. That is, you make scheduled payments to the holder of the loan over a period of time. Any amount of unearned grant funds that you must return is called an overpayment. The maximum amount of a grant overpayment that you must repay is half of the grant funds you received or were scheduled to receive. You must make arrangements with your school or the Department of Education to return the unearned grant funds.

The requirements for Title IV program funds when you withdraw are separate from any refund policy that your school may have. Therefore, you may still owe funds to the school to cover unpaid institutional charges. Your school may also charge you for any Title IV program funds that the school was required to return. You can view the tuition refund policy and requirements and procedures for withdrawing from school at <https://district.maricopa.edu/regulations/admin-regs/section-2/2-2>

**TECHNICAL CHANGE by Legal Counsel, May 6, 2020**

**AMENDED by Direct Approval from the Chancellor, May 5, 2020**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

### **2.2.12 Vaccinations (As Required By 20 USC §1092(a)(1)(V)):**

The Maricopa County Community Colleges District does not require that students receive vaccinations prior to enrollment. Certain professional or occupational programs do require particular vaccinations for participation in those programs. More information about these programs can be found on college websites.

### **2.2.13 UNIVERSITY TRANSFER**

#### **UNIVERSITY TRANSFER**

The Maricopa Community Colleges have developed formal agreements to facilitate the transfer of credit to four-year colleges and universities. This is accomplished through the development of course and program articulation agreements. The Maricopa Community Colleges articulate with accredited private, public, and international baccalaureate granting institutions. Maricopa transfer agreements are on behalf of the district as a whole and not with individual colleges within the District. Courses taken at any of the Maricopa Community Colleges are equally transferable by institutions wishing to articulate. Students planning to transfer to a university may be required to submit official transcripts.

Articulated transfer programs and pathways between the Maricopa Community Colleges and baccalaureate-granting institutions [such as the Maricopa-ASU Pathway Program (MAPP), the UA Bridge Program, 2NAU and 90/30 Transfer Agreements] are official, recognized programs of study that fulfill both associate degree and bachelor's degree requirements. These articulated programs and pathways are designed to aid in a smooth transition for a student planning to transfer to a four-year college or university by identifying the required, transferable, and applicable coursework for that student's specific program of study. A complete list of Maricopa-ASU Pathway Program requirements by major and catalog year is maintained on ASU'S website, at [Transfer](#).

#### **ARIZONA PUBLIC COMMUNITY COLLEGES AND UNIVERSITIES**

Maricopa is a participant in the Arizona statewide transfer system. [AZTRANSFER.COM](#) is the official source of information for the statewide articulation agreements between the Arizona public community colleges and universities (Arizona State University, Northern Arizona University, and University of Arizona). Included on [AZTRANSFER.COM](#) is the Course Equivalency Guide (CEG), which shows transfer course equivalencies between Arizona's public community colleges and tribal institutions to Arizona State University, Northern Arizona University, and the University Of Arizona. The transferability of a course does not indicate directly how the course will apply to meet requirements for specific bachelor's degrees. [AZ Transfer Course Equivalency Guide](#)

#### **(U.S.) AND INTERNATIONAL INSTITUTIONS**

The Maricopa Community Colleges have transfer agreements with accredited U.S. universities and colleges as well as international institutions that have been approved by the Ministry of Education. These partnerships are formalized



through District-Wide memorandums of understanding and articulation agreements, and are designed to help students maximize the applicability of transfer credit toward a bachelor's degree. To access a list of institutions with which Maricopa has established articulation agreements, visit: [Maricopa University Partner List](#)

## **TIME LIMIT FOR TRANSFER COURSEWORK**

Students should be aware other colleges and universities may have age of credit limits on certain coursework to be used in transfer. Students should refer to the policy of their intended transfer institution regarding time limits for transfer coursework.

## **SHARED UNIQUE NUMBERING (SUN) SYSTEM COURSE INFORMATION**

Senate Bill 1186, which passed into law in 2010, mandated the creation of a shared numbering system for public college and university courses in Arizona to identify courses that transfer from community colleges to universities toward a baccalaureate degree. The Shared Unique Number (SUN) system is a college course numbering system designed to help students locate and enroll in courses that have direct equivalents for transfer among Arizona's public community colleges and three state universities. However, even if a course at the Maricopa Community Colleges is not designated as a SUN course, it may still transfer to other Arizona public institutions with a direct equivalent as per the Course Equivalency Guide on [AZTRANSFER.COM](#). The SUN system does not address the applicability of courses. Students are encouraged to work with an academic advisor on course selections. To access a list of SUN courses, visit [SUN](#)

**ADOPTED through the Administrative Regulations Approval Process, June 4, 2019**

### **2.9 Veterans Services**

The Maricopa Community Colleges' veterans' services offices act as liaisons with the Department of Veterans Affairs (VA) and the state approving agency. Each program must be approved by the state approving agency. Students may be eligible to receive educational benefits if they are registered in courses that apply to the student's approved programs. Application forms, counseling, advisement, tutoring, and priority enrollment are available for students who are eligible for veteran's educational benefits. Students applying for veteran's educational benefits should allow eight to ten weeks before receiving benefits. The amount of benefits awarded is determined by the Department of Veterans Affairs, and is based on the number of credit hours or clock hours for which a student is enrolled and the length of the enrollment period for each course.

Veteran's benefits available:

- Chapter 30 - Montgomery GI Bill®
- Chapter 31 – Veteran Readiness and Employment (VR&E)
- Chapter 32 - VEAP Program
- Chapter 33 - Post 9/11 GI Bill® & Transfer of Eligibility to Dependents (TOE)
- Chapter 35 - Survivors and dependents of deceased/100% disabled veterans
- Chapter 1606 - Montgomery GI Bill®, Selected Reserve
- Chapter 1607 - REAP Reserve Educational Assistance Program

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.*

Covered individuals (as defined in 38 U.S.C. § 3679) utilizing Chapter 33 or Chapter 31 VA education benefits may attend or participate in a program of study during the period beginning on the date the individual provides the educational institution a Certificate of Eligibility (COE), a Statement of Benefits obtained from eBenefits, or a purchase order for Chapter 31, and ending on the earlier of the following dates:

1. The date upon which payment from the VA is made to the institution;

2. 90 days after the date the institution certified tuition and fees following the receipt of the Certificate of Eligibility.

No penalty, including the assessment of late fees, and/or the denial of access to classes or other institutional facilities will be imposed on the individual due to the delayed disbursement funding from VA under Chapter 31 or 33.

It is the student's responsibility to notify the office that serves veterans at their campus regarding any change in enrollment, address, program of study, enrollment at another institution, or any other change that may impact their veteran's educational benefits.

Those students receiving benefits must follow the VA academic progress policy to continue to receive benefits.

Department of Veterans Affairs regulations require that all persons using any type of veteran educational assistance program make satisfactory academic progress toward achievement of their educational objective (program of study). A student who does not meet the minimum standards of 2.0 upon completion of 12 or more credit hours will be placed on probation, at which point the student will have no more than two semesters in which to improve academic standing to acceptable. At this point, if satisfactory academic progress has not been demonstrated, veteran educational benefits will be terminated. Benefits may be resumed when the student raises the cumulative grade point average to the required minimum standards or demonstrates the ability to meet these standards through the approval of a written appeal. For appeal procedures, contact the office that serves veterans at your campus.

For additional details and information regarding veteran's educational benefits, contact the office that serves veterans at your campus.

#### **Distance Learning:**

The course content and competencies for distance learning classes are the same as courses offered in-person or in a hybrid format. The courses offered in this format lead to completion of MCCCCD degrees and/or certificates of completion.

Colleges use Learning Management Systems (LMS) like Canvas and RioLearn for online offerings. These portals are used for both hybrid and online classes. Students must use their Maricopa Enterprise ID and password to access the portal. The link to the portal is provided on the college home page and on [my.maricopa.edu](http://my.maricopa.edu), the district's website for student access to Maricopa tools. Maricopa-assigned student email addresses are used for communicating with students within the tools. Students are also able to communicate with the instructor through the LMS, via Maricopa e-mail or by phone.

#### **Externship Programs:**

The Maricopa Community College's official District course descriptions for credited experiential learning opportunities (Internships, Externships, Practicums, and Clinicals) state the amount of hours required in order for a student to receive college credit. The descriptions also indicate if a maximum amount of credit is allowable for any given experiential learning opportunity. Each course that includes an experiential learning opportunity is assigned a Maricopa Instructor of Record who is responsible for ensuring that the student completes the required hours and assignments in order to receive credit. Additionally, the instructor works extensively with a site supervisor to ensure that the student is making satisfactory progress and meeting the time requirements. The experiential credit process for the student includes the specific course details and learning outcomes, how hours will be tracked, and what is required for grading and course completion. The instructor submits the final grade for the experience. Maricopa's experiential learning process is in compliance with CFR 38 21.4265

A complete list of internship courses, along with course objectives, can be found on the Maricopa Community College's District – [Center for Curriculum and Transfer Articulation](http://www.maricopa.edu/center-for-curriculum-and-transfer-articulation) website, located at: <https://curriculum.maricopa.edu/transfer-and-articulation>

**Prior Credit Evaluation:**

Department of Veterans Affairs requires that all persons using any type of veteran's educational assistance must have all prior education and training evaluated. Students will be required to request transcripts from all prior institutions, including military training. Without all prior institutions and military training, veteran educational assistance may not be certified. Transcripts will be evaluated and credit will be granted, as appropriate.

**AMENDED through Direct Approval by the Chancellor, April 14, 2021**

**AMENDED through Direct Approval by the Chancellor, October 21, 2020**

**AMENDED through Direct Approval by the Chancellor, March 6, 2019**

**AMENDED through Direct Approval by the Chancellor, September 17, 2018**

**AMENDED through Direct Approval by the Chancellor, April 17, 2018**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

**AMENDED through the Administrative Regulations Approval Process, May 16, 2016**

## SCHOLASTIC STANDARDS

### 2.3.1 Academic Load

A credit hour is defined as an amount of work represented in course competencies and verified by evidence of student achievement that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester hour of credit, or the equivalent amount of work over a different amount of time, or at least an equivalent amount of work for other academic activities, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours. In accordance with common practice in higher education, instruction representing a credit hour is typically delivered in a 50 minute class period.

Students carrying at least twelve (12) credit hours will be considered full-time students for the fall and spring semesters. Three-quarter-time is 9 - 11.9 credit hours. Half-time is 6 - 8.9 credit hours. Fewer than six (6) credit hours is considered less than half-time. Academic load for summer and special terms may be defined differently. Contact the Admissions and Records Office/Office of Student Enrollment Services for clarification. As provided in the Reduced Course Load administrative regulation, a student may be deemed a full-time student carrying fewer than twelve credit hours pursuant to an accommodation of a disability.

Courses may vary in length, and begin and end throughout the year. A credit hour indicates the value of an academic credit. Standards for the awarding of credit hours may be time based or competency based. To obtain credit, a student must be properly registered and must pay fees for the course. The fall and spring semesters are typically sixteen (16) weeks in length. Summer sessions are typically five or eight weeks in length.

Students desiring to take more than eighteen (18) credit hours must obtain approval from the designated college official. Ordinarily, only students with a grade point average of 3.0 or higher for the preceding semester or first semester students who were in the upper quarter of their high school graduating class are permitted to carry more than eighteen (18) credit hours.

Students participating in extra-curricular or co-curricular activities or receiving financial assistance may be required to maintain a specified minimum academic load.

Students who are working, have considerable extra-curricular or co-curricular activities, or have been reinstated from academic suspension/probation should plan their academic load accordingly.

## Schedule Changes

Students may change their schedule by following the designated procedures at their college of enrollment. It is the student's responsibility to notify the college if he/she will no longer be attending the class (see [Appendix S-7](#) for Withdrawal Procedures).

### 2.3.2 Attendance

- Only persons who are registered for a class at any of the Maricopa Community Colleges may attend that class. Attendance requirements are determined by the course instructor. Students who do not meet the attendance requirement as determined by the course instructor may be withdrawn.
- Students who fail to attend the first scheduled class meeting, or to contact the instructor regarding absence before the first scheduled class meeting may, at the option of the instructor, be withdrawn.
- At the beginning of each course, each faculty member will provide students with written attendance requirements. It is the student's responsibility to consult with the instructor regarding official or unofficial absences. Absences begin to accumulate with the first scheduled class meeting.
- Students bear the responsibility of notifying the Admissions and Records Office/Office of Student Enrollment Services when they discontinue studies in a course or at the college. Please refer to [Appendix S-7](#) for Withdrawal Procedures.

#### 1. Official Absences

- A. Official absences are those that occur when students are involved in an official activity of the college, i.e., field trips, tournaments, athletic events, and present an official absence excuse form. Absences for such events shall not count against the number of absences allowed by an instructor or department. Students who must miss a class for an official reason must obtain an official absence verification card from the appropriate vice president or designee and present it to the appropriate instructor(s) before the absence. Prior arrangements must be made with each instructor for make-up work. If prior arrangements have been made, the student will not be penalized.
- B. Other official absences include jury duty and subpoenas. Appropriate documentation will be required. Prior arrangements must be made with each instructor for makeup work. If prior arrangements have been made, the student will not be penalized.
- C. In the event of military commitments. Absences for periods of up to one week will not be counted against the number of absences allowed by an instructor or department. The student is required to provide appropriate documentation of the specific orders, length of assignment and location. Prior notification must be initiated with each instructor to discuss make-up work. If the length of the absence will be longer than one week, the instructor and the student will determine whether there is sufficient opportunity for the student to make up the work. If it is determined that the length of absence for the military commitment provides an undue hardship on the student's ability to make up the assignments, he or she will be provided an opportunity to request an incomplete grade or drop the class or, in the case of open-entry classes, the opportunity to request an extension.
- D. In the event of the death of an immediate family member, absences for periods of up to one week will not be counted against the number of absences allowed by an instructor or department. Students should contact instructor(s) as soon as possible to arrange for make-up work. Appropriate documentation will be required (for example, a copy of the obituary or funeral program). In specialized programs that require clinical rotations, this regulation may not apply.

#### 2. Religious Holidays

Students shall have the right to observe major religious holidays without penalty or reprisal by any administrator, faculty member or employee of the Maricopa Community Colleges. Absences for such holidays shall not count against the number of absences allowed by an instructor or department, provided the student has utilized the Religious Accommodation Procedure outlined in ND-4 of the Administrative Regulations Appendices. The Procedure and Religious Accommodation form may be found at [ND-4](#). As outlined in the ND-4 Religious Accommodation Procedure, to the extent possible, requests must be made at least two (2) weeks before the requested absence from class due to religious holiday or day of observance by providing the faculty member with the [Religious Accommodation Request Form](#). Once a religious accommodation is granted, the student must make arrangements with each instructor for make-up work.

### 2.3.3 Grading

#### 1. Policy

It is the policy of the Maricopa Community Colleges that a grade will be assigned at the conclusion of the course. Official grades are available on designated college web sites.

#### Grade Key

|    |                    |                                     |
|----|--------------------|-------------------------------------|
| A  | Excellent          | 4 grade points per credit hour      |
| B  | Above Average      | 3 grade points per credit hour      |
| C  | Average            | 2 grade points per credit hour      |
| D  | Passing            | 1 grade point per credit hour       |
| F  | Failure            | 0 grade points per credit hour      |
| I  | Incomplete         | Not computed in grade point average |
| IP | Course in Progress | Not computed in grade point average |
| N  | Audit              | Not computed in grade point average |
| P* | Credit             | Not computed in grade point average |
| W  | Withdrawn, passing | Not computed in grade point average |
| Y  | Withdrawn, failing | 0 grade points per credit hour      |
| Z  | No Credit          | Not computed in grade point average |

*\* A "P" is judged to be equivalent to a grade of C or higher.*

NOTE: Grading errors discovered after the sixty (60) day expiration date can be corrected if they have been researched by the Director of A&R/Enrollment Services and the Instructor of Record or the Department/Division Chair.

#### 2. Incomplete Grade

- A. Students who are doing acceptable work may request an incomplete grade "I" if they are unable to complete the course requirements by the end of the term because of illness or other extenuating circumstances. If the request is approved by the instructor, he or she shall define, in a written/electronic contract, how the course will be completed.
- B. Students must complete the requirements within the time period agreed to--maximum time allowed is seven (7) months from the last date of class in which the grade of incomplete was assigned. Students who do not complete the requirements within the approved time period will have their grade recorded in accordance with the written contract. Students should NOT reregister for the course to complete the contract.
- C. A student's eligibility for financial aid may be jeopardized by an incomplete grade. Refer to the Standards of Satisfactory Academic Progress for details.

#### 3. Repeating a Course/Improving a Grade

Students who wish to improve their GPA may repeat a course within the Maricopa Community Colleges up to three times after the initial attempt. (A "W" is not considered an attempt.) Students planning to repeat a course should seek advisement prior to enrolling. The lower grade(s) and credit for repeated courses taken at the same college will automatically be excluded from the grade point calculation.

However, if the course(s) were taken at a different Maricopa Community College, the student must submit a request for the lower-graded course to be excluded from the GPA. The request can be submitted to the Admissions and Records Office at any of the Maricopa Community Colleges that the student attended.

Students receiving federal financial assistance and/or benefits should follow up with the Office of Financial Aid and/or Veterans' Services regarding their policies for repeated courses. An official student transcript is a permanent academic record issued by the college registrar. It displays all courses taken for credit within the Maricopa Community Colleges District and includes all grades received. Unlike an unofficial transcript, it is signed and dated by the college registrar and displays the college seal of the Maricopa College issuing the official transcript.

Check individual courses and programs for exceptions.

**4. Credit/No Credit Courses (P/Z)**

- A. Some courses may be taken under a credit/no credit grading system. These courses carry grades of P (credit, equivalent to a grade of C or higher) or Z (no credit) and are not computed in the student's grade point average. Credits earned with a grade of P may be counted toward graduation with the exception of AGECE (Arizona General Education Curriculum).
- B. The prescribed time limits are for full-semester classes. Time limits for classes which meet fewer than sixteen (16) weeks are adjusted accordingly. See "Important Deadlines for Students".
- C. In courses with credit/no credit (P/Z) grading, the student may request standard grading (A, B, C, D, F), within fourteen (14) days including the date of the first class meeting. The instructor must immediately notify the Admissions and Records Office/Office of Student Enrollment Services.
- D. In courses with standard grading (A, B, C, D, F), the instructor determines if the credit/no credit option is available. If the option is available, the student must obtain the permission of the instructor. The instructor must notify the Admissions and Records Office/Office of Student Enrollment Services within fourteen (14) days including the day of the first class meeting.
- E. It is the student's responsibility to verify the transferability of credit/no credit courses. Some universities place a limitation on the number of credit/no credit courses that can be transferred.

*Advisory note: Some institutions outside the Maricopa Community Colleges may translate the Z grade as failing.*

**5. Audit Courses**

- A. Auditors are those who enroll in a course for the sole purpose of obtaining information; they receive no credit, grades, homework, or tests. If an auditor wishes to earn credit, he or she must change from audit status to credit status within the first week. If a student wishes to audit a course for which he or she is enrolled for credit, the change must be made within the first five (5) weeks of a semester. Auditors are subject to the same attendance policies as other students and must meet the same prerequisite requirements or obtain approval of the instructor. See the fee schedule for charges. Financial aid is not available for audited courses.
- B. The prescribed time limits are for full-semester classes. Time limits for classes which meet fewer than sixteen (16) weeks are adjusted accordingly and appear in the "Important Deadlines for Students."

**6. Important Deadlines for Students (See [Appendix S-12](#))**

| Class Length                   | Deadline for Students to Withdraw with Guaranteed Grade of W | Deadline for Students to Withdraw from a Course (Instructor Signature Required) | Deadline for Students to Request Complete Withdrawal           | Deadline to Change Type of Grading (A-F to P/Z, or P/Z to A-F) | Deadline to Change From Audit Grade to Credit Grade | Deadline to Change from Credit Grade to Audit Grade |
|--------------------------------|--|---|--|--|---|---|
| One Week or Less (1 to 7 days) | 1 <sup>st</sup> Day of Class                                 | 1 <sup>st</sup> Day of Class or Prior to the Last Day of Class                  | 1 <sup>st</sup> Day of Class or Prior to the Last Day of Class | 1 <sup>st</sup> Day of Class                                   | 1 <sup>st</sup> Day of Class                        | 1 <sup>st</sup> Day of Class                        |
| Two Weeks (8 to 14 days)       | 3 <sup>rd</sup> Calendar Day                                 | 6 <sup>th</sup> Calendar Day  | 6 <sup>th</sup> Calendar Day                                   | 1 <sup>st</sup> Day of Class                                   | 1 <sup>st</sup> Day of Class                        | 3 <sup>rd</sup> Calendar Day                        |
| Three Weeks (15 to 21 days)    | 6 <sup>th</sup> Calendar Day                                 | 12 <sup>th</sup> Calendar Day   | 12 <sup>th</sup> Calendar Day                                  | 2 <sup>nd</sup> Calendar Day                                   | 1 <sup>st</sup> Day of Class                        | 5 <sup>th</sup> Calendar Day                        |
| Four Weeks (22 to 28 days)     | 9 <sup>th</sup> Calendar Day                                 | 17 <sup>th</sup> Calendar Day   | 17 <sup>th</sup> Calendar Day                                  | 3 <sup>rd</sup> Calendar Day                                   | 2 <sup>nd</sup> Calendar Day                        | 7 <sup>th</sup> Calendar Day                        |
| Five Weeks (29 to 35 days)     | 12 <sup>th</sup> Calendar Day                                | 23 <sup>rd</sup> Calendar Day   | 23 <sup>rd</sup> Calendar Day                                  | 4 <sup>th</sup> Calendar Day                                   | 2 <sup>nd</sup> Calendar Day                        | 9 <sup>th</sup> Calendar Day                        |
| Six Weeks (36 to 42 days)      | 14 <sup>th</sup> Calendar Day                                | 29 <sup>th</sup> Calendar Day   | 29 <sup>th</sup> Calendar Day                                  | 5 <sup>th</sup> Calendar Day                                   | 3 <sup>rd</sup> Calendar Day                        | 11 <sup>th</sup> Calendar Day                       |
| Seven Weeks (43 to 49 days)    | 17 <sup>th</sup> Calendar Day                                | 35 <sup>th</sup> Calendar Day   | 35 <sup>th</sup> Calendar Day                                  | 5 <sup>th</sup> Calendar Day                                   | 3 <sup>rd</sup> Calendar Day                        | 12 <sup>th</sup> Calendar Day                       |
| Eight Weeks (50 to 56 days)    | 20 <sup>th</sup> Calendar Day                                | 41 <sup>st</sup> Calendar Day   | 41 <sup>st</sup> Calendar Day                                  | 6 <sup>th</sup> Calendar Day                                   | 3 <sup>rd</sup> Calendar Day                        | 15 <sup>th</sup> Calendar Day                       |
| Nine Weeks (57 to 63 days)     | 23 <sup>rd</sup> Calendar Day                                | 46 <sup>th</sup> Calendar Day   | 46 <sup>th</sup> Calendar Day                                  | 7 <sup>th</sup> Calendar Day                                   | 4 <sup>th</sup> Calendar Day                        | 17 <sup>th</sup> Calendar Day                       |
| Ten Weeks (64 to 70 days)      | 26 <sup>th</sup> Calendar Day                                | 52 <sup>nd</sup> Calendar Day   | 52 <sup>nd</sup> Calendar Day                                  | 8 <sup>th</sup> Calendar Day                                   | 4 <sup>th</sup> Calendar Day                        | 19 <sup>th</sup> Calendar Day                       |
| Eleven Weeks (71 to 77 days)   | 29 <sup>th</sup> Calendar Day                                | 58 <sup>th</sup> Calendar Day   | 58 <sup>th</sup> Calendar Day                                  | 9 <sup>th</sup> Calendar Day                                   | 5 <sup>th</sup> Calendar Day                        | 21 <sup>st</sup> Calendar Day                       |
| Twelve Weeks                   | 32 <sup>nd</sup> Calendar Day                                | 63 <sup>rd</sup> Calendar Day   | 63 <sup>rd</sup> Calendar Day                                  | 10 <sup>th</sup> Calendar Day                                  | 5 <sup>th</sup> Calendar Day                        | 23 <sup>rd</sup> Calendar Day                       |



|   |                                 |  |  |   |                              |                                  |
|---|---------------------------------|--|--|---|------------------------------|----------------------------------|
| <b>(78 to 84 days)</b>  |                                 |  |  |   |                              |                                  |
| <b>Thirteen Weeks (85 to 91 days)</b>   | 35 <sup>th</sup> Calendar Day   | 70 <sup>th</sup> Calendar Day          | 70 <sup>th</sup> Calendar Day          | 10 <sup>th</sup> Calendar Day                   | 5 <sup>th</sup> Calendar Day | 25 <sup>th</sup> Calendar Day    |
| <b>Fourteen Weeks (92 to 98 days)</b>   | 38 <sup>th</sup> Calendar Day   | 76 <sup>th</sup> Calendar Day          | 76 <sup>th</sup> Calendar Day          | 11 <sup>th</sup> Calendar Day                   | 6 <sup>th</sup> Calendar Day | 27 <sup>th</sup> Calendar Day    |
| <b>Fifteen Weeks (99 to 105 days)</b>   | 41 <sup>st</sup> Calendar Day   | 82 <sup>nd</sup> Calendar Day          | 82 <sup>nd</sup> Calendar Day          | 12 <sup>th</sup> Calendar Day                   | 6 <sup>th</sup> Calendar Day | 28 <sup>th</sup> Calendar Day    |
| <b>Sixteen Weeks or more (106 or more days)</b>                                   | End of the 7 <sup>th</sup> week | Two weeks before the last class period | Two weeks before the last class period | Within 14 days including the first class period | Within first week of class   | Within first five weeks of class |
| <i>Deadlines are based on calendar day and begin with the first day of class.</i> |                                 |  |  |   |                              |                                  |

AMENDED through the Administrative Regulations Approval Process, June 30, 2020

AMENDED through the Administrative Regulations Approval Process, June 4, 2018

AMENDED through the Administrative Regulations Approval Process, June 5, 2017

### 2.3.4 Academic Probation (Progress)

#### 1. Probation

A student will be placed on academic probation if, after completion of twelve (12) or more credit hours, the student's cumulative grade point average is less than 2.0:

Students on academic probation may take no more than twelve (12) credit hours per semester unless approved by the Admissions and Standards Committee.2.9

#### 2. Continued Probation

A student on academic probation who fails to raise the cumulative grade point average 2.0 will be placed on continued probation and may be limited to taking six (6) credit hours.

Academic probation and continued probation are calculated at the conclusion of every term including summer.

### 2.3.5 Instructional Grievance Process

A student who feels that he or she has been treated unfairly or unjustly by a faculty member with regard to an academic process such as grading, testing, or assignments, has the right to appeal according to the approved procedures.

The appeal process for grades must be initiated no later than sixty (60) calendar days from the date the grade was issued. Steps outlining the process are available in [Appendix S-6](#).

#### Appendix S-6: Instructional Grievance Process

A student who feels that he/she has been treated unfairly or unjustly by a faculty member (full-time or part-time) with regard to an academic process such as grading, testing or assignments, shall discuss the issue first with the faculty member involved. This conference shall be requested by the student within fifteen (15) working days from the time the student knew or reasonably should have known about the unfair or unjust treatment.

This instructional grievance process should not be utilized in a case in which a student feels he/she has experienced discrimination. If the student feels that he/she has experienced discrimination on the basis of race, color, religion, sex, gender identify, national origin, citizenship status (including document abuse), gender, age, disability, veteran status, genetic information, or sexual orientation, the student should refer to the Discrimination Complaint Procedures for Students as administered by the Vice President for Student Affairs.

Steps for students to follow:

1. If, within ten (10) working days of the request for the conference with faculty member, the problem is not resolved or the faculty member has been unable to meet with the student, the student may continue the process by filing a written grievance with the Department/Division Chairperson and appropriate administrative officer at the college/center. This written grievance must be filed within ten working days following the previous deadline. The written grievance will be given to the faculty member five days before any official meetings are convened.
2. Upon receipt of a written grievance, the Department/Division Chair or appropriate college administrative officer will work with the parties in an attempt to resolve the conflict. The faculty may ask that the College Faculty Senate

President be in attendance. Every attempt will be made to maintain confidentiality during this process. A faculty member will not be required to respond to a grievance which is not in writing and which, when appropriate, did not have specific documentation including dates, times, materials, etc. The written grievance will be made available to the faculty member.

3. If the grievance is not resolved at this level within ten working days, the student should forward to vice president of academic affairs or designee, a copy of the original written grievance with an explanation regarding action taken at each prior level. The dean of instruction or appropriate college/ center administrative officer will meet with the student, faculty member, the College Faculty Senate President if requested by the faculty member, and Department/Division Chair and attempt to resolve the issues. This level will be the final step in any grievance process regarding grades.
4. If the grievance, other than those concerning grades, is not resolved by the vice president of academic affairs or designee, it may be forwarded in writing by the student to the college president for final resolution. The college president or designee will issue a final written determination in the grievance process.
5. Instructional grievances are resolved at the college level. The district office is not an avenue of appeal for the instructional grievance process.

**Note:** The grievance process for grades must be initiated no later than sixty (60) calendar days from the date the grade was issued.

### **2.3.12 Non-Instructional Complaint Resolution Process**

A student who feels that he or she has been treated unfairly or unjustly by any employee with regard to a non-instructional process such as a student or administrative services has the right to file a formal and written complaint according to the approved procedures. See [Appendix S-8](#).

### **Appendix S-8: Non-Instructional Complaint Resolution Process**

A student who feels that he or she has been treated unfairly or unjustly by any employee with regard to a non-instructional process such as a student or administrative services has the right to file a formal and written complaint according to the approved procedures. Steps for students to follow:

1. Discuss the issue with the employee involved. The student should request this conference within fifteen (15) working days from the time the student knew or reasonably should have known about the unfair or unjust treatment.
2. If, within ten (10) working days of the request for the conference with the employee, the problem is not resolved or the employee has been unable to meet with the student, the student may continue the process by filing a written complaint with the appropriate supervisor of the employee where authority exists to take corrective action. This written complaint must be filed within ten (10) working days following the previous deadline. The written complaint will be given to the employee five (5) working days before any official meetings are convened.
3. Upon receipt of a written complaint, the appropriate supervisor will work with the parties in an attempt to resolve the conflict. Every attempt will be made to maintain confidentiality during this process. An employee will not be required to respond to a complaint which is not in writing and which, when appropriate, does not have specific documentation including dates, times, actions, supporting documents, etc. The written complaint will be made available to the employee.
4. If the complaint is not resolved at this level within ten (10) working days, the student should forward to the Vice President of Student Affairs or Designee, a copy of the original written complaint with an explanation regarding action taken at each prior level. The dean and/or associate dean will meet with the student, the employee, and the relevant supervisor and attempt to resolve the issues.
5. If the associate dean and/or dean do not resolve the complaint, the student may forward it in writing to the college president for final resolution. The college president or designee will issue a final written determination in the complaint process.

### **2.3.6 Withdrawal**

To withdraw from a course or courses from the college, students must follow approved procedures (See [Appendix S-7](#)). The Office of Admissions and Records provides information about the withdrawal process. The official date of withdrawal is the date the withdrawal is received in the Admissions and Records Office/Office of Student Enrollment Services.



Never attending is not an allowable refund exception or an excuse of the debt incurred through registration. Please see the refund policy.

## Appendix S-7: Student and Faculty Withdrawal Procedures

### Student Withdrawal Procedures

#### 1. Withdrawal from Specific Courses

A student may officially withdraw from specific courses in the following ways:

- A. Through the 7th week\*, a student may initiate an official withdrawal from any course by completing the withdrawal process online using the student self service system or by submitting a course withdrawal form to the Admissions and Records Office/Office of Student Enrollment Services in accordance with the published deadlines. A grade of W (withdrawn, passing – not computed in the grade point average) will be assigned.
- B. After the 7th week\*, a student must initiate a withdrawal request with the faculty member. If, after consultation with the student, the faculty member approves the request, a grade of W (withdrawn, passing--not computed in the grade point average) or Y (withdrawn, failing--computed in the grade point average as a failing grade) will be assigned. If the request is not approved, the student will remain in the course.
- C. A student has the right to appeal a withdrawal decision according to the approved procedures. Steps outlining the process are available in [Appendix S-6](#).

*\*The prescribed time limits are for full semester classes. Time limits for classes which meet fewer than sixteen (16) weeks are adjusted accordingly. See Important Deadlines for Students. Failure to file an official withdrawal form may result in failing grades and responsibility for course tuition and fees. Refunds will only be processed within the refund period.*

#### 2. Complete Withdrawal from College

Students electing to withdraw from the college must contact the Admissions and Records Office/Office of Enrollment Services no later than two weeks\* before the end of the last class meeting and may be required to file a written request.

A grade of W will be assigned in all courses for students who withdraw by the end of the 7th week\* of classes. Withdrawals completed after this time will result in a grade of W (withdrawn, passing – not computed in the grade point average) or Y (withdrawn, failing – computed in the GPA as a failing grade).

*\*The prescribed time limits are for full semester classes. Time limits for classes which meet fewer than sixteen (16) weeks are adjusted accordingly. See Important Deadlines for Students. Failure to file an official withdrawal form may result in failing grades and responsibility for course tuition and fees. Refunds will only be processed within the refund period.*

#### 3. Withdrawal of Financial Aid Students

In accordance with federal regulations (34CFR 668.22), a student may be required to repay federal financial aid funds if they completely withdraw or are withdrawn, or fail to earn a passing grade from all classes during a semester. Further information is available at the college Office of Student Financial Aid. This could affect a student's ability to receive Financial Aid in the future at any school.

### Faculty Withdrawal Procedures

A faculty member has the option of withdrawing a student who has accumulated unofficial absences in excess of the number of times indicated in that faculty member's attendance policy in the course syllabus (see AR 2.3.2). A grade of W (withdrawn passing, not computed in GPA) or a grade of Y (withdrawn failing, 0 grade points per credit hour) may be assigned in accordance with the course syllabus. Faculty members electing to withdraw students must record the withdrawal through the online system, including last date of attendance and withdrawal code. Students withdrawn for excessive absences may be reinstated only with the approval of the faculty member. Any impact on attendance that is protected by the exercise of students' rights under ADA/504, Title IX, Title VI, or other recognized law or policy do not count as unexcused absences for the purposes of instructor-initiated withdrawals for lack of attendance/participation.

**Requests for withdrawals should be referred directly to the College of Enrollment.**

**AMENDED through the Administrative Regulations Approval Process, December 12, 2018**

**AMENDED through the Administrative Regulations Approval Process, February 23, 2010**

**AMENDED through the Administrative Regulations Approval Process, August 18, 2008**

**AMENDED through the Administrative Regulations Approval Process, March 5, 2009**

### 2.3.7 Academic Renewal

Students who are returning to this college after a separation of five (5) years or more from the Maricopa Community College District, may petition for academic renewal. The request must be in writing and submitted to the Admissions and Records Office/Office of Student Enrollment Services at the college where the grades were earned.

Academic renewal at one of the Maricopa Community Colleges does not guarantee that colleges outside the Maricopa Colleges will accept this action. Acceptance of academic renewal is at the discretion of the receiving institution.

1. Prior to petitioning for academic renewal, the student must demonstrate a renewed academic performance by earning a minimum of twelve (12) credit hours and a cumulative grade point average of 2.5 or higher within Maricopa Colleges after reenrollment.
2. Upon approval, all courses taken prior to reenrollment with a grade of "A," "B," "C," "D," "F," and "Y" will be annotated as academic renewal on the student's permanent record. All course work affected by academic renewal will not be computed in the grade point average. Courses with grades "A," "B," or "C" will have the associated credit hours counted in the total credit hours earned. Such credit will not be computed in the grade point average.
3. All course work will remain on the student's permanent academic record, ensuring a true and accurate academic history.
4. The academic renewal policy may be used only once at each college and cannot be revoked once approved.
5. Students who have been granted Academic Renewal must also meet the Financial Aid Standards of Academic Progress if they wish to receive financial aid.

### 2.3.8 Honors Program

Each of the Maricopa Community Colleges has an honors program. Interested students should contact the college honors coordinator for information about the program and available scholarships, including the Chancellor's, Foundation's, and President's Scholarships.

#### President's Honor List

The President's Honor List for each college consists of all students who complete twelve (12) or more credit hours in residence in courses numbered 100 or higher in a given semester with a college semester grade point average of 3.75 or higher.

### 2.3.9 General Graduation Requirements

**Note:** Also see Catalog Under Which a Student Graduates ([AR 2.2.5](#))

#### Earning a Certificate or Degree

The Maricopa Community Colleges offers certificates and degrees in a variety of areas. Each certificate and degree has specified program requirements for graduation. See certificate and degree information for specific program requirements. It is the student's responsibility to be aware of these requirements.

Candidates for graduation must satisfy the following requirements:

- Complete the minimum number of credits required for the certificate or degree. For degrees, at least 15 credits must be completed at the awarding college. For certificates that are 15 or more credits, at least 6 credits must be completed at the awarding college. For certificates that are 14 or fewer credits, at least half of the credits must be completed at the awarding college. Exceptions to this institutional residency policy must have prior written approval of the program director, department/division chair, or designee and documentation of rationale and approval included as part of application to graduate.
- Meet the general education, program requirements, and electives for the certificate or degree required. Requirements can be satisfied by MCCCDC coursework, prior learning assessment, and transfer credit. No

more than 45 credit hours can be accepted and applied to a degree using transfer credit and/or prior learning assessment. Transfer credit and prior learning assessment does not count as hours in residence for graduation requirements. Exceptions to this institutional policy must have prior written approval of the program director, department/division chair, or designee and documentation of rationale and approval included as part of application to graduate.

- Earn a minimum cumulative grade point average (GPA) of 2.0 on a four-point grading scale in all letter-graded courses (100-level and above) (completed in residence and accepted in transfer) used to fulfill requirements at the college granting the degree or certificate. Some awards may specify additional GPA requirements.
- Remove all deficiencies (e.g. incomplete grades, missing transcripts, national test results, etc.) on the record to use those courses toward program completion.
- Fulfill any financial obligations with the college.
- File a Petition for Graduation with the Admissions & Records/Enrollment Services Office.

AutoAward Policy: MCCCDC has an auto-award program that identifies some students who have completed a degree or certificate and never submitted a Petition for Graduation (e.g. [Reverse Transfer](#)). However, this program is limited and students should not depend on it for graduation. The Petition for Graduation should always be submitted when a student is intending to graduate.

### **Maricopa Nursing Program**

For the Maricopa Nursing program, the cumulative GPA for awarding purposes is calculated based on courses required for the degree or certificate taken at any Maricopa campus and includes pre-requisites, co-requisites, and nursing blocks. Students must apply for graduation from the college where they have successfully completed Block 4 of the Associate in Applied Science in Nursing.

### **Graduation with Honors**

All courses used to fulfill graduation and degree requirements, including courses from other institutions are used in the grade point average calculation (GPA) at graduation. Degree-seeking students who have distinguished themselves with GPAs 3.50 and higher are recognized with the following graduation honors:

- 3.50 to 3.69 graduation “with distinction”
- 3.70 to 3.89 graduation “with high distinction”
- 3.90 to 4.0 graduation “with highest distinction”

Certificate programs are not eligible for institutional honors.

**AMENDED through the Administrative Regulation Process, June 24, 2021**

**AMENDED by Direct Approval from the Chancellor, December 6, 2019**

**AMENDED through the Administrative Regulations Approval Process, June 5, 2017**

### **2.2.5 Catalog Under Which a Student Graduates**

Students maintaining continuous enrollment at any public Arizona community college or university may graduate according to the requirements of the catalog in effect at the time of initial enrollment or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment whether attending a public community college and/or public university in the state of Arizona.

The rules for maintaining continuous enrollment are:

- A semester in which a student earns course credit will be counted toward continuous enrollment.
- Noncredit courses, audited courses, or courses from which the student withdraws do not count toward continuous enrollment.
- Failure to enroll in three consecutive regular (fall or spring) semesters breaks continuous enrollment; however, enrollment in the intervening summer terms may be used to maintain continuous enrollment status.
- If continuous enrollment is not maintained, the student must fulfill the requirements for graduation specified in the catalog in effect for the academic year in which they re-enroll or any subsequent catalog of their continuous enrollment.
- Students who initially enrolled or re-enrolled during a summer term must follow the annual catalog of the subsequent academic year or any subsequent catalog of their continuous enrollment.

## AGE OF CREDIT

In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant. Coursework that is more than ten years old is applicable to completion of certificate and degree requirements at the discretion of the designated individuals at the college. The college may accept such coursework, reject it, or request that the student revalidate its substance. The ten-year limit on coursework applies except when program accreditation agencies limit the life of coursework to less than eight years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs, when completing earlier requirements is no longer possible or educationally sound.

\*Please note that the above language is guided by statewide practices.

**AMENDED through the Administrative Regulations Approval Process, June 24, 2021**

### 2.3.13 Course Substitutions

Course substitutions should only be made in a consistent and transparent manner, according to Administrative Regulation 2.2.4 (Transfer Credit and Prior Learning Assessment Policy), academic policies, and the following guidelines:

Students may seek to have course(s) requirements (including required courses, restricted electives, and prescribed general education requirements) in their declared associate in applied science or certificate program substituted.

Because a substituted course may not be accepted by a transfer institution or meet transfer degree requirements, no course substitutions are allowed in any of the required course areas of the associate in arts or associate in science degrees with emphasis, Associate In Business - Gr, Associate Of Business - Sr, Associate In Arts, Elementary Education, or the Associate In Arts, Fine Arts.

The course being used as a substitution must meet the content and/or spirit of the substituted course in the student's pathway plan (or for date status petitions by reason of disability). If the pathway course satisfies an Arizona General Education Curriculum (AGEC-A, B, or S) requirement, the course substitution must meet that same requirement. Considerations for substitutions should also include impact to satisfying transfer pathway, industry requirements. Substituted courses should provide the skills and knowledge specified by the pathway learning outcomes.

Course substitutions should not be processed for students who have earned fewer than 15 credits (at Maricopa or elsewhere).

To pursue a course substitution, students must obtain a course substitution petition from the Admissions and Records office or Academic Advisor. Substitutions must be approved by the Program Department Chair, Program Division Chair, Academic/Occupational Program Director, or designee and the appropriate Instructional Dean. The Department Chair, Division Chair, or Academic/Occupational Program Director will work with other departments as needed for courses outside of the discipline.

If the credits of a substituted course are fewer than the original requirement, the missing credit hours are not granted by a substitution. Students must complete the minimum credit hours required by the award.

Students are encouraged to seek substitutions prior to enrollment in an intended substitute course. Requests for course substitutions and supporting documentation should be submitted as soon as possible when transcripts are reviewed. For assistance, students should meet with an Academic Advisor specific to the declared transfer emphasis. Students seeking Title IV financial aid and veteran benefits for a course substitution must have the substitution approved and processed prior to registering for the substitute course.

See also, Administrative Regulation [3.5 Course Substitution for Students With Documented Disabilities](#).

**ADOPTED through the Administrative Regulations Approval Process, June 24, 2021**

### **2.3.10 Transcripts for Transfer**

An official student transcript is a permanent academic record issued by the college registrar. It displays all courses taken for credit within the Maricopa Community College District and includes all grades received. Unlike an unofficial transcript, it is signed and dated by the College Registrar and displays the college seal of the Maricopa College ISSUING the official transcript.

The transcript is issued upon written request only. Those students who want to transfer to other institutions of higher education, including other Maricopa Community Colleges, must request their transcript be sent from the Admissions and Records Office/Office of Student Enrollment Services. However, transcripts may be shared within the Maricopa Community College District without the written request of the student in compliance with FERPA.

Official transcripts will not be issued to students having outstanding debts to any of the Maricopa Community Colleges. The release of transcripts is governed by the guidance of the Family Education Rights and Privacy Act of 1974 (see Records Policy in the Student Rights and Responsibilities section of this manual). There is no charge for unofficial transcripts, or for official transcripts sent between Maricopa Community Colleges. See the Tuition and Fee Schedule for charges for other official transcripts.

**AMENDED through the Administrative Regulation Approval Process, June 5, 2017**

## **COLLEGE ENVIRONMENT**

### **2.4.4 Sexual Harassment Policy (replaced with Administrative Regulation 5.1.16).**

**Administrative Regulation 2.4.4 is rescinded effective August 14, 2020. For cases made prior to August 14, 2020, 2.4.4 applies. Administrative Regulation 2.4.4 has been archived for transitional purposes.**

**RESCINDED by Direct Approval from the Chancellor, August 3, 2020**

### **5.1.8 Policy Prohibiting Harassment**

#### **A. Policy**

The policy of the Maricopa County Community College District (MCCCD) is to provide an educational, employment, and business environment free of harassment that is based on race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information. Such prohibited harassment includes but is not limited to sexual violence, unwelcome sexual advances,

requests for sexual favors, and other verbal and/or physical conduct or communications constituting harassment with regards to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information as defined and otherwise prohibited by state and federal law.

Employee complaints of harassment must be reported to the District Office of Equal Employment and Opportunity.

Harassment based on race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information violates MCCCCD Policy when the conduct is unwelcome, verbal, or physical conduct that is sufficiently severe, or pervasive that it alters working conditions and creates a hostile environment for employees. The unwelcome behavior may be based on power differentials, the creation of a hostile environment, or retaliation for harassment complaints. Harassment by and between any student or employee (paid, unpaid, or contract), is prohibited by this policy.

Due process is afforded any employee accused of harassment. Upon receipt of a complaint, an immediate preliminary review will be conducted to determine if there is reasonable cause to believe the nondiscrimination policy may have been violated. If so, then a prompt, thorough, impartial investigation will be conducted by the authorized administrator, or designee. If the final decision is that harassment occurred, the college will take immediate action to eliminate the hostile environment, prevent its recurrence, and address its effects. Remedies for the complainant will also be sought. Violations of this policy may result in disciplinary action up to and including termination for employees, sanctions up to and including suspension or expulsion for students, and appropriate sanctions against campus visitors. This policy applies to prohibited conduct that occurs both on and off campus and covers employees, and visitors.

MCCCCD affirms its commitment to supporting the academic and personal freedom of all members of the community. In particular, the policy against harassment shall not be applied in a manner that contradicts the principle of academic freedom: Faculty and other members of the community are entitled to freedom in research, and faculty members are entitled to freedom in the classroom to pursue controversial matters related to their disciplines. However, this right to teach controversial material entails the responsibility that it be carried out in a way that would be judged by peers as not violating the District's non-discrimination policy.

Questions about this policy may be directed to the [MCCCCD EEO/Affirmative Action Office](#).

## **B. Examples of Policy Violations**

It shall be a violation of MCCCCD's Harassment Policy for any employee (paid, unpaid, or contract), student or campus visitor to engage in any unwelcome conduct that is based on race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information. Such as to:

1. Engage in offensive conduct that is sufficiently severe or pervasive to create a work or academic environment that a reasonable person would consider intimidating, hostile, or abusive. Such conduct must be based on race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.
2. Engage in unwelcome verbal or physical conduct, including intimidation, ridicule, insult, or comments, when the behavior can reasonably be considered to adversely affect the work or academic environment, or an employment decision based upon the employee's acceptance or rejection of such conduct. Such verbal or physical conduct must be based on race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information or on their protected activities under applicable non-discrimination laws and policies,
3. Engage in Sexual Harassment, which includes, but is not limited to:
  - A. Make unwelcome sexual advances to another employee (paid, unpaid, or contract), student or campus visitor;
  - B. Make unwelcome requests for sexual favors, whether or not accompanied by promises or threats with regard to the employment or academic relationship;

- C. Engage in verbal or physical conduct of a sexual nature with another employee, student or campus visitor, that may threaten or insinuate, either explicitly or implicitly, that the individual's submission to, or rejection of, the sexual advances will in any way:
  - 1. Influence any personnel decision regarding that person's employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment or career development; or
  - 2. Influence his or her grades, participation in or access to academic programs, class standing or other educational opportunities;
- D. Engage in verbal or physical conduct of a sexual nature that:
  - 1. Has the purpose or effect of substantially interfering with an employee's ability to do his or her job; or with a student's ability to learn or participate in a class; or
  - 2. Which creates an intimidating, hostile or offensive work or academic environment;
- E. Commit any act of sexual assault or public sexual indecency against any employee or student whether on MCCCDC property or in connection with any MCCCDC-sponsored activity;
- F. Continue to express sexual interest in another employee, student or campus visitor after being informed or on notice that the interest is unwelcome (reciprocal attraction is not considered sexual harassment);
- 4. Engage in other harassing conduct in the workplace or academic environment, whether physical or verbal, including, but not limited to, commentary about an individual's body (or body parts), degrading words to describe an individual, offensive comments, suggestive language or jokes, innuendoes, and suggestive objects, print or digital media. Misconduct may include exploitation, stalking, bullying. Such conduct must be based on an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.
- 5. Treat a complainant or witness of harassment in a manner that could dissuade a reasonable person from pursuing or participating in the complaint and investigation. Such treatment must be based on an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, pregnancy, veteran status or genetic information.
- 6. Engage in sexual misconduct, including but not limited to:
  - A. The use or display in the classroom, including electronic, of pornographic or sexually harassing materials such as posters, photos, cartoons or graffiti without pedagogical justification.
  - B. Explicit sexual comments by one or more employees about another employee or student, or circulating drawings or other images depicting an employee or student in a sexual manner.
  - C. Unwelcome sexual advances, repeated propositions or requests for a sexual relationship to an individual who has previously indicated that such conduct is unwelcome, or sexual gestures, noises, remarks, jokes, questions, or comments by a student about another person's sexuality or sexual experience.
  - D. Harassment based on sex, pregnancy, gender identity, gender expression, or sexual orientation that creates a hostile environment. A hostile environment exists when the conduct is sufficiently severe, or pervasive that it unreasonably interferes with, limits, or deprives an individual from participating in or benefitting from the District's education programs and/or activities, including employment. The existence of a hostile environment is to be judged both objectively (meaning a reasonable person would find the environment hostile) and subjectively (meaning the impacted individual felt the environment was hostile).
  - E. Sexual Exploitation, which means taking non-consensual or abusive sexual advantage of another for anyone's advantage or benefit other than the person being exploited. Examples of behavior that could rise to the level of Sexual Exploitation include:
    - 1. Recruiting, harboring, transporting, providing, or obtaining another person for the purpose of sexual exploitation;
    - 2. Non-consensual visual (e.g., video, photograph) or audio-recording of sexual activity;
    - 3. Non-consensual distribution of photos, other images, or information of an individual's sexual activity, intimate body parts, or nakedness, with the intent to or having the effect of embarrassing an individual who is the subject of such images or information;
    - 4. Going beyond the bounds of consent (such as attempting to kiss an employee or student without their consent)



5. Engaging in non-consensual voyeurism;
  6. Knowingly transmitting an STI (sexually transmitted infection), such as HIV, to another without disclosing one's STI status;
  7. Exposing one's genitals in non-consensual circumstances, or inducing another to expose their genitals;
  8. Possessing, distributing, viewing or forcing others to view obscenity.
7. All complaints of sexual harassment or sexual misconduct shall be referred promptly to the college Title IX Coordinator (or the District Title IX Coordinator, if the allegations concern a District Office employee), for initial review in determining the appropriate investigation channel.
8. Matters pertaining to sexual harassment/misconduct that do not meet the definition of sexual harassment as outlined in Administrative Regulation 5.1.16 or otherwise do not meet the definition of an educational program or activity and do not occur against a person within the United States will be referred by the Title IX Coordinator to the College or District's respective Human Resources Department for investigation and adjudication under this conduct policy.

**AMENDED by Direct Approval from the Chancellor, August 18, 2020**

**AMENDED by Direct Approval from the Chancellor, April 8, 2020**

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

#### **5.1.9 Additional Policy Violations**

Mandatory Reporters (as defined in Administrative Regulation 5.1.16) must report allegations of sexual harassment/assault (whether reported by the person who is the subject of the sexual harassment or a witness) to an Official with Authority or the Title IX Coordinator (as defined in Administrative Regulation 5.1.16). Failure to report to an Official with Authority or the Title IX Coordinator is a policy violation subject to discipline up to and including dismissal.

Campus Security Authority (CSAs) are mandatory reporters under the Cleary Act. Failure to report is a policy violation subject to discipline up to and including dismissal.

Mandatory Reporters are expected to report harassment/discrimination (whether reported by the person who is the subject of the sexual harassment or a witness) based on an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, veteran status or genetic information. Failure to report may be a policy violation subject to discipline up to and including dismissal.

**AMENDED by Direct Approval from the Chancellor, November 16, 2020**

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

#### **5.1.10 Responsibility for Policy Enforcement**

Employees and students must avoid offensive or inappropriate harassing behavior based on an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, veteran status or genetic information at work or in the academic environment (in and out of the classroom).

Employees and students are encouraged (but not required) to inform perceived offenders of this policy and that the commentary/conduct is offensive and unwelcome.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

#### **5.1.11 Complaints**

##### **1. Employees**

Employees who experience harassment at work (by a supervisor, co-employee, student or visitor) are urged to report such conduct to the direct attention of their supervisor, their college president or to the Maricopa County Community College District (MCCCD) Equal Employment Opportunity/Affirmative Action Office. If the complaint involves the employee's supervisor or someone in the direct line of supervision, or if the employee for any



reason is uncomfortable in dealing with their immediate supervisor, the employee may go directly to the MCCCCD EEO/AA Office.

## 2. **Students**

Students who experience sexual harassment or sexual assault in a school's education program and activities (by a faculty member, administrator, staff, campus visitor or other student) are urged to report such conduct to the designated Title IX Coordinator, of which there is one for each MCCCCD college. A student may also contact the MCCCCD EEO/AA Office to obtain the name and phone number of the college official designated to respond to harassment complaints based on an individual's race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship status (including document abuse), age, disability, veteran status or genetic information.

## 3. **General**

- A. Complaints by employees will be investigated according to procedures established by the MCCCCD EEO/AA Office. Copies of these procedures may be obtained on the District website and the MCCCCD EEO/AA Office.
- B. Complaints by students will be investigated according to the procedures established in the College Environment section of the Administrative Regulations (AR 2.4). Copies of these procedures are posted on the District website.
- C. All complaints will be investigated in a prompt, thorough, and impartial manner.
- D. Where investigation confirms the allegations, appropriate, response action will be taken by the college/center/MCCCCD.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

### **5.1.12 Confidentiality**

Records will be maintained in a confidential manner to the extent permitted by law and insofar as they do not interfere with the Maricopa County Community College District's (MCCCCD) legal obligation to investigate and resolve issues of discrimination and harassment based on one's protected class status as outlined in law and in MCCCCD policy. The MCCCCD cannot promise complete confidentiality.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

### **5.1.13 Violations of Law**

An employee or student may be accountable for sexual harassment under applicable local, state, and/or federal law, as well as under Maricopa County Community College District (MCCCCD) policy. Disciplinary action by MCCCCD may proceed while criminal proceedings are pending and will not be subject to challenge on the grounds that criminal charges involving the same incident have been dismissed or reduced.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

### **5.1.14 False Statements Prohibited**

Any individual who knowingly provides false information pursuant to filing a discrimination charge or during the investigation of a discrimination charge, will be subject to appropriate disciplinary action, up to and including, employment termination or academic dismissal.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

### **5.1.15 Retaliation Prohibited**

Retaliation against an employee or student for engaging in protected activity is strictly prohibited. The Maricopa County Community College District (MCCCCD) strictly prohibits taking an adverse action that might deter a reasonable person from participating in activity protected by antidiscrimination laws. Protected activity consists of:

- (a) opposing conduct reasonably believed to constitute discrimination, including harassment which violates a nondiscrimination statute or which MCCCCD policy prohibits;

(b) filing a complaint about such practice; or

(c) testifying, assisting, or participating in any manner in an investigation or other proceeding related to a discrimination complaint.

Retaliatory actions are not limited to formal personnel actions such as termination, demotion, non-promotion, or non-selection. Retaliatory actions are broadly defined as harassing behavior, significant changes to job duties or working conditions, and even threats to take personnel actions based on engaging in protected activity. MCCCCD will take appropriate disciplinary action, up to and including employment termination or academic dismissal if retaliation occurs.

**AMENDED by the Administrative Regulations Approval Process, January 2, 2020**

### 5.1.16 TITLE IX Sexual Harassment Policy

#### I. DEFINITIONS

1. **Actual Knowledge** means that an employee, student, or third-party informs the Title IX Coordinator or other Official with Authority of the alleged occurrence of alleged harassing, discriminatory, and/or retaliatory conduct. Actual knowledge compels the Maricopa County Community College District (MCCCCD) to initiate action.
2. **Advisor** means a person chosen by a party or appointed by the institution to accompany the party to meetings related to the resolution process, to advise the party on that process, and to conduct cross-examination for the party at the hearing, if a hearing is held. This individual may be an MCCCCD employee, a member of the community, or attorney (hired and paid for by a party).
3. **Complainant** means an individual who is alleged to be the victim of conduct that could constitute sexual harassment or retaliation for engaging in a protected activity.
4. **Formal Complaint** means a document filed with the Title IX Coordinator/signed by a Complainant or signed by the Title IX Coordinator alleging against sexual harassment or retaliation for engaging in a protected activity against a Respondent and requesting that the MCCCCD investigate the allegation.
5. **Confidential Resource** means an employee who is not a Mandatory Reporter or an Official with Authority (irrespective of Clery Act Campus Security Authority status). At MCCCCD, there is only one confidential resource. This confidential resource is the Ombudsman, who is located in the MCCCCD Office of Public Stewardship.
6. **Day(s)** means a business day when the MCCCCD is in normal operation.
7. **Education program or activity** means locations, events, or circumstances where MCCCCD exercises substantial control over both the Respondent and the context in which the sexual harassment or discrimination occurs and also includes any building owned or controlled by a student organization that is officially recognized by the MCCCCD.
8. **Final Determination of Responsibility** means a conclusion by preponderance of the evidence that the alleged conduct occurred, or did not occur, and whether it did, or did not, violate policy.
9. **Formal Grievance Process** means a method of formal resolution designated by MCCCCD to address conduct that falls within the policies included below, and which complies with the requirements of 34 CFR Part 106.45.
10. **Grievance Process Pool** means any investigators, appeal officers, hearing administrators, and Advisors who may perform any or all of these roles (though not at the same time or with respect to the same case).
11. **Hearing Decision-maker** means a person who has decision-making and sanctioning authority within the MCCCCD's Formal Title IX Grievance process.
12. **Investigator** means the person or persons charged by MCCCCD with gathering facts about an alleged violation of this policy, assessing relevance and credibility, synthesizing the evidence, and compiling this information into an investigation report and file of directly related evidence.
13. **Mandatory Reporter** means an employee of MCCCCD who is obligated by policy to share

knowledge, notice, and/or reports of harassment, discrimination, and/or retaliation with the Title IX Coordinator. Mandatory reporters do not convey actual knowledge to the MCCCCD. Mandatory Reporter under this policy does not diminish the requirement under Arizona state law to report alleged or suspected child abuse, elder abuse, and/or abuse of individuals with disabilities to appropriate officials, though these responsibilities may overlap with those who have mandatory\ reporter responsibility in this policy.

14. **Official with Authority (OWA)** means an employee of the MCCCCD explicitly vested with the responsibility to implement corrective measures for harassment and/or retaliation on behalf of the MCCCCD. Notice to an OWA of an allegation of sexual harassment as defined in this policy conveys actual knowledge to the MCCCCD and triggers a responsibility to act.
15. **Parties** include the Complainant(s) and Respondent(s), collectively.
16. **Promptness** means the time period in which allegations are acted upon once MCCCCD has received notice or a formal complaint. Typically, complaints can take 60-90 business days to resolve. There are always exceptions and extenuating circumstances that can cause a resolution to take longer, but MCCCCD will avoid all undue delays within its control.
17. **Remedies** means post-finding actions directed to the Complainant and/or the community as mechanisms to address safety, prevent recurrence, and restore access to MCCCCD's educational program.
18. **Respondent** means an individual who has been reported to be the perpetrator of conduct that could constitute harassment or discrimination based on a protected class; or retaliation for engaging in a protected activity. When the Respondent is a member of the MCCCCD community, a grievance process may be available regardless of the status of the Complainant, who may or may not be a member of the MCCCCD community.
19. **Resolution** means the result of an informal or formal grievance process.
20. **Sanction** means a consequence imposed by MCCCCD on a Respondent who is found to have violated this policy.
21. **Sexual Harassment** means the umbrella category including the offenses of sexual harassment, sexual assault, stalking, and dating violence and domestic violence.
22. **Title IX Coordinator** is at least one official designated by MCCCCD to ensure compliance with Title IX and the MCCCCD's Title IX program. References to the Coordinator throughout this policy may also encompass a designee of the Coordinator for specific tasks.
23. **Student** means any individual who is registered or enrolled for credit or non-credit bearing coursework, camps and other District-sponsored programs or activities, and who maintains an ongoing relationship with the MCCCCD, which means the student is on leave (medical, administrative, or other documented leave of absence), but is not registered or taking classes at the time of the complaint being filed.
24. **Title IX Team** refers to the Title IX Coordinator, any deputy coordinators, and any member(s) of the Grievance Process Pool.

## II. RATIONALE FOR POLICY

MCCCCD is committed to providing a workplace and educational environment, as well as other benefits, programs, and activities, that are free from sexual harassment, discrimination on the basis of sex, and retaliation. To ensure compliance with federal and state civil rights laws and regulations, and to affirm its commitment to promoting the goals of fairness and equity in all aspects of the educational program or activity, MCCCCD has developed internal policies and procedures that provide a prompt, fair, and impartial process for those involved in an allegation of sexual harassment, and for allegations of retaliation. MCCCCD values and upholds the equal dignity of all members of its community and strives to balance the rights of the parties in the grievance process during what is often a difficult time for all those involved.

## III. TITLE IX COORDINATOR

Each MCCCCD college has a designated Title IX Coordinator who oversees implementation of this policy. The Title IX Coordinator has the primary responsibility for coordinating MCCCCD's efforts related to the intake, investigation,

resolution, and implementation of supportive measures to stop, remediate, and prevent discrimination, harassment, and retaliation prohibited under this policy.

The names and contact information for each college Title IX Coordinator can be found on the following page: <https://district.maricopa.edu/consumer-information/title-ix/title-ix-coordinators>. It is the responsibility of each of the MCCCDColleges' Vice Presidents of Student Affairs to ensure this list is up-to-date with correct information. The college Title IX Coordinators must act with independence and authority free from bias and conflicts of interest.

To raise any concern involving bias or conflict of interest by the college Title IX Coordinator, contact the Compliance Office in the Office of General Counsel by emailing [compliance@domail.maricopa.edu](mailto:compliance@domail.maricopa.edu). Concerns of bias or a potential conflict of interest by any other Title IX team member should be raised with the respective college Title IX Coordinator.

Reports of misconduct or discrimination committed by the college Title IX Coordinator should be reported to the college Human Resources Department. Reports of misconduct or discrimination committed by any other Title IX Team member should be reported to the respective college Title IX Coordinator.

#### **IV. OFFICIALS WITH AUTHORITY AND MANDATORY REPORTERS**

##### **OFFICIALS WITH AUTHORITY**

MCCCDColleges has determined that the following administrators are Officials with Authority to address and correct sexual harassment and/or retaliation. In addition to the Title IX team members listed in Section 1. Definitions, these Officials with Authority listed below may also accept notice or complaints on behalf of the MCCCDColleges. Knowledge on the part of an Official with Authority conveys actual knowledge to the MCCCDColleges.

1. College/District Title IX Coordinator
2. Chancellor
3. Provost
4. General Counsel and Associate General Counsels
5. Chief Human Resources Officer
6. Chief Executive Officer
7. College Presidents
8. College Vice Presidents (at all levels)
9. Associate Vice Chancellors
10. Law enforcement
11. Athletic Directors
12. Directors (in any administrative area of a college or the District)

##### **MANDATORY REPORTERS**

The following classification of employees are mandatory reporters and are required to report actual or suspected discrimination or harassment to the respective college Title IX Coordinator or to the District Compliance Office for District employees. A Complainant who expects formal action in response to their allegations, but does not wish to contact the Title IX Coordinator should report their allegations to any mandatory reporter who can connect them with resources to report crimes and/or policy violations. Mandatory reporters will, within twenty-four (24) hours, refer reports to the Title IX Coordinator (and/or police, if desired by the Complainant), who will take action. Mandatory reporters must promptly (within twenty-four (24) hours) share with the Title IX Coordinator all known details of a report made to them in the course of their employment. The persons occupying the following positions are mandatory reporters. Knowledge to a mandatory reporter does not convey actual knowledge to the MCCCDColleges.

1. Chancellor
2. Provost
3. General Counsel
4. Chief Human Resources Officer
5. Chief Workforce and Economic Development Officer

6. Chief Executive Officer
7. College Presidents
8. Associate Vice Chancellors
9. Director of Communications
10. Associate General Counsels
11. Supervisors/Managers/Directors (but not including division or department chairs)
12. College Vice Presidents, at all levels
13. Deans, at all levels
14. Athletic Directors/Coaches/Trainers
15. Law enforcement

### **Anonymous Notice to Mandated Reporters**

A Complainant may request that the mandatory reporter provide notice to the Title IX Coordinator anonymously, without identification of the Complainant. A mandatory reporter cannot remain anonymous themselves. The MCCCDC will investigate matters in which anonymous notice has been given to the extent possible, both to assess the underlying allegation(s) and to determine if supportive measures or remedies can be provided. However, anonymous notice typically limits the MCCCDC's ability to investigate, respond, and provide remedies, depending on what information is shared. When a Complainant has made a request for anonymity, the Complainant's personally identifiable information may be withheld by a mandatory reporter, but all other details of the alleged incident(s) must be shared with the Title IX Coordinator. Supportive measures may be offered to the Complainant as the result of such disclosures without formal MCCCDC action.

Failure of a mandatory reporter to report an incident of harassment or discrimination of which they become aware is a violation of MCCCDC policy and the mandatory reporter may be subject to disciplinary action, up to and including termination, for failure to comply.

### **V. CONFIDENTIAL RESOURCES AND FEDERAL RESOURCES**

A Complainant who wants to keep the details of an incident confidential may speak with:

- On-campus (Maricopa Community Colleges District Office) Office of Public Stewardship
- Off-campus (non-employees):
  - Licensed professional counselors and other medical providers
  - Local rape crisis counselors
  - Domestic violence resources
  - Local or state assistance agencies
  - Clergy/Chaplains
  - Attorneys

The Office of Public Stewardship will timely submit anonymous statistical information for Clery Act purposes unless they believe it would be harmful to their client.

External Inquiries may also be made to:

Office for Civil Rights,

#### ***Denver Office***

U.S. Department of Education

Cesar E. Chavez Memorial Building

1244 Speer Boulevard, Suite 310

Denver, CO 80204-3582

Telephone: (303) 844-5695

Facsimile: (303) 844-4303

Email: OCR.Denver@ed.gov

## **VI. NOTICE/COMPLAINTS OF DISCRIMINATION, HARASSMENT, AND/OR RETALIATION**

Notice or complaints of discrimination, harassment, and/or retaliation in violation of this policy may be made using any of the following options:

1) File a complaint with, or give verbal notice to, a college Title IX Coordinator or an Official with Authority. Such a report may be made at any time (including during non-business hours) by using the telephone number or email address, or by mail to the office address, listed for the Title IX Coordinator or any other official listed. Title IX Coordinators can be found on the following page: <https://district.maricopa.edu/consumer-information/title-ix/title-ix-coordinators>. It is the responsibility of each of the MCCCDCollege's Vice President of Student Affairs to ensure this list is up to date with correct information.

2) Report online, using the reporting form posted at <https://district.maricopa.edu/consumer-information/reporting>. Anonymous reports are accepted, but can give rise to a need to investigate. The MCCCDCollege tries to provide supportive measures to all Complainants, which is impossible with an anonymous report when the name of the Complainant is not shared in the report. Since anonymous reporting carries no obligation to initiate a formal response and since the MCCCDCollege respects a Complainant's requests to dismiss complaints, unless there is a compelling threat to health and/or safety, the matter will be dismissed.

A formal complaint is a document filed and signed by the Complainant or signed by the Title IX Coordinator alleging a policy violation by a Respondent and requesting that the MCCCDCollege investigate the allegation(s). A complaint may be filed with the Title IX Coordinator in person, by mail, or by electronic mail, by using the contact information in the section immediately above, or as described in this section. As used in this paragraph, the phrase "document filed by a Complainant" means a document or electronic submission (such as by electronic mail or through an online portal provided for this purpose by the MCCCDCollege) that contains the Complainant's physical or digital signature, which can include the Complainant's name on the email, or otherwise indicates that the Complainant is the person filing the complaint.

The Title IX Coordinator will contact the Complainant regarding any notice that is submitted in a form that does not comply with these requirements to ensure that it is filed correctly.

## **VII. SUPPORTIVE MEASURES**

MCCCDCollege will offer and implement appropriate and reasonable supportive measures to the parties upon notice of alleged harassment, discrimination, and/or retaliation.

Supportive measures are non-disciplinary, non-punitive individualized services offered as appropriate, as reasonably available, and without fee or charge to the parties to restore or preserve access to the MCCCDCollege's education program or activity, including measures designed to protect the safety of all parties, the MCCCDCollege's educational environment, and/or deter sexual harassment, discrimination on the basis of sex, and/or retaliation.

The Title IX Coordinator shall make supportive measures available to the parties upon receiving notice of allegations or a formal complaint. There is no statute of limitations for filing a Title IX Complaint. The Title IX Coordinator works with the Complainant to ensure their wishes are considered with respect to the planned and implemented supportive measures.

The MCCCDCollege will maintain the privacy of the supportive measures, provided that maintaining privacy does not impair the MCCCDCollege's ability to provide the supportive measures. MCCCDCollege will act to ensure as minimal an academic impact on the parties as possible. The MCCCDCollege will implement measures in a way that does not unreasonably burden the other party.

These actions may include, but are not limited to:

1. Referral to counseling, medical, and/or other healthcare services
2. Referral to the Employee Assistance Program
3. Referral to community-based service providers
4. In-house visa and immigration assistance
5. Student financial aid counseling
6. Education to the community or community subgroup(s)

7. Altering work arrangements for employees or student-employees
8. Safety planning
9. Providing campus safety escorts
10. Implementing contact limitations (no contact orders) between the parties
11. Academic support, extensions of deadlines, or other course/program-related adjustments
12. Trespass orders, when applicable
13. Timely warnings under the Clery Act
14. Class schedule modifications, withdrawals, or leaves of absence
15. Increased security and monitoring of certain areas of the campus
16. Any other actions deemed appropriate by the Title IX Coordinator

Violations of no contact orders will be referred to appropriate student or employee conduct processes for enforcement and further discipline, as is necessary.

### **VIII. EMERGENCY REMOVAL**

MCCCD can act to remove a Respondent entirely or partially from its education program/activities or MCCCD employment on an emergency basis when an individualized safety and risk analysis has determined that an immediate threat to the physical health or safety of any student or other individual justifies removal. This risk analysis is performed by the Title IX Coordinator in conjunction with the college or District Behavioral Intervention Team (also known as BIT/BAT/TAT/CARE, etc.) using its standard objective violence risk assessment procedures.

The Title IX Coordinator has sole discretion under this policy to implement or stay an emergency removal and to determine the conditions and duration. Violation of an emergency removal under this policy will be grounds for discipline, which may include expulsion from the MCCCD or termination from employment.

In all cases where an emergency removal is imposed:

1. The Respondent will be given written notice of the action. In the written notice will be the option to request to meet with the Title IX Coordinator as soon as reasonably possible, to show cause as to why the action/removal should not be implemented or should be modified. This meeting is not a hearing on the merits of the underlying Title IX allegations, but rather an administrative process intended to determine solely whether the emergency removal is appropriate.
2. The Respondent has three (3) days after the receipt of the emergency removal to request a meeting with the Title IX Coordinator. If the Respondent does not make such a request within the three (3) day time period, objection to the emergency removal is deemed waived.
3. The Respondent may be accompanied by an Advisor of their choosing in the Show Cause administrative meeting with the Title IX Coordinator.
4. The Respondent will be given access to a written summary of the basis for the emergency removal prior to the meeting to allow for adequate preparation. Such summary will be included in the notification letter regarding the emergency removal.
5. The Title IX Coordinator will issue a Show Cause Meeting Determination letter to the Respondent within two (2) days of the meeting taking place.
6. There is no appeal process for emergency removal decisions.
7. A Complainant and their Advisor may be permitted to participate in this meeting, as it is equitable to do so.
8. MCCCD will implement the least restrictive emergency actions possible in light of the circumstances and safety concerns.

**For additional information regarding emergency removals, please see [Emergency Removals](#).**

### **IX. PRIVACY**

Every effort is made by the MCCCD to preserve the privacy of a report under this policy.

**For additional information regarding privacy and confidentiality under this policy, please see [Privacy and Confidentiality](#).**

## **X. JURISDICTION**

This policy applies to all MCCCDC educational programs and activities, and to conduct that takes place on the campus or on property owned or controlled by the MCCCDC, at MCCCDC-sponsored events, or in buildings owned or controlled by MCCCDC's recognized student organizations. The Respondent must be a member of MCCCDC's community in order for its policies to apply. Nevertheless, even when the Respondent is not a member of the MCCCDC's community, supportive measures, remedies, and resources may be accessible to the Complainant by contacting the Title IX Coordinator.

This policy applies to the effects of off-campus misconduct that effectively deprive someone of access to MCCCDC's educational programs. The MCCCDC may also extend jurisdiction to off-campus and/or to online conduct when the Title IX Coordinator determines that the conduct affects a substantial MCCCDC interest.

Regardless of where the conduct occurred, the MCCCDC will address notice/complaints to determine whether the conduct occurred in the context of its employment or educational program or activity and/or has continuing effects on campus or in an off-campus sponsored program or activity.

A Title IX Coordinator may be able to provide guidance for a student or employee Complainant who experiences sexual harassment/discrimination in an externship, study abroad program, or other environment external to the MCCCDC under the MCCCDC's Student Conduct Code or employee conduct or nondiscrimination policies.

**For additional information regarding the MCCCDC jurisdiction over Title IX matters, please see [Jurisdiction](#).**

## **XI. TIME LIMITS ON REPORTING**

There is no time limitation on providing notice/complaints to the Title IX Coordinator. However, if the Respondent is no longer subject to the MCCCDC's jurisdiction and/or significant time has passed, the ability to investigate, respond, and provide remedies may be more limited or impossible.

Acting on notice/complaints significantly impacted by the passage of time (including, but not limited to, the rescission or revision of policy) is at the discretion of the Title IX Coordinator (except in cases where mandatory dismissal is required), who may document allegations for future reference, offer supportive measures and/or remedies, and/or engage in informal or formal action, as appropriate.

The MCCCDC will apply the policy in place at the time of the alleged misconduct and the procedures in place at the time of the notice of alleged misconduct or complaint of sexual harassment.

## **XII. ONLINE HARASSMENT AND MISCONDUCT**

This policy is written and should be interpreted broadly to include online and cyber manifestations of any of the behaviors prohibited below, when those behaviors occur in or have an effect on the MCCCDC's education programs and activities or use MCCCDC networks, technology, or equipment.

When harassing communications made on websites, social media, and other venues not controlled by the MCCCDC are reported to the MCCCDC pursuant to this policy the MCCCDC will attempt to address and mitigate the effects of such communications. Any online postings or other electronic communication by students and employees, including cyber-bullying, cyber-stalking, cyber-harassment, etc., occurring completely outside of the MCCCDC's control (e.g., not on MCCCDC networks, websites, or between MCCCDC email accounts) will only be subject to this policy when such online conduct can be shown to cause a substantial in-program disruption to the student's educational pursuit of MCCCDC's educational programs and/or activities.

Off-campus harassing speech by employees, whether online or in person, may be regulated by the MCCCDC only when such speech is made in an employee's official or work-related capacity, including where the speaker holds themselves out as employees of an MCCCDC college or District office. Otherwise, such communications are considered speech protected by the First Amendment. Supportive measures for Complainants will be provided, but protected speech will not be subjected to discipline.

## **XIII. TITLE IX SEXUAL HARASSMENT**



MCCCD has adopted the following definition of Title IX Sexual Harassment in order to address the unique environment of an academic community, which consists not only of employer and employees, but of students as well.

Acts of sexual harassment may be committed by any person upon any other person, regardless of the sex, sexual orientation, and/or gender identity of those involved.

Sexual Harassment, as an umbrella category, includes the offenses of sexual harassment/discrimination, sexual assault, domestic violence, dating violence, and stalking, and is defined as:

Conduct on the basis of sex that satisfies one or more of the following:

- 1) Quid Pro Quo:
  - a. an employee of the MCCCD,
  - b. conditions the provision of an aid, benefit, or service of the MCCCD,
  - c. on an individual's participation in unwelcome sexual conduct; and/or
- 2) Sexual Harassment:
  - a. unwelcome conduct,
  - b. determined by a reasonable person,
  - c. to be so severe, and
  - d. pervasive, and,
  - e. objectively offensive,
  - f. that it effectively denies a person equal access to the MCCCD's education program or activity. Severity, pervasiveness, and objective offensiveness are evaluated based on the totality of the circumstances from the perspective of a reasonable person in the same or similar circumstances ("in the shoes of the Complainant"), including the context in which the alleged incident occurred and any similar, previous patterns that may be evidenced.
- 3) Sexual assault, defined as:
  - a) Sex Offenses, Forcible:
    - i) Any sexual act directed against another person,
    - ii) without the consent of the Complainant,
    - iii) including instances in which the Complainant is incapable of giving consent.
  - b) Forcible Rape:
    - i) Penetration,
    - ii) no matter how slight,
    - iii) of the vagina or anus with any body part or object, or
    - iv) oral penetration by a sex organ of another person,
    - v) without the consent of the Complainant.
  - c) Forcible Sodomy:
    - i) Oral or anal sexual intercourse with another person,
    - ii) forcibly,
    - iii) and/or against that person's will (non-consensually), or
    - iv) not forcibly or against the person's will in instances in which the Complainant is incapable of giving consent because of age (under the age of 18) or because of temporary or permanent mental or physical incapacity.
  - d) Sexual Assault with an Object:
    - i) The use of an object or instrument to penetrate,
    - ii) however slightly,
    - iii) the genital or anal opening of the body of another person,
    - iv) forcibly,
    - v) and/or against that person's will (non-consensually),
    - vi) or not forcibly or against the person's will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

- e) Forcible Fondling:
    - i) The touching of the private body parts of another person (buttocks, groin, breasts),
    - ii) for the purpose of sexual gratification,
    - iii) forcibly,
    - iv) and/or against that person's will (non-consensually),
    - v) or not forcibly or against the person's will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.
  - f) Sex Offenses, Non-forcible:
    - i) Incest:
      - 1) Non-forcible sexual intercourse,
      - 2) between persons who are related to each other,
      - 3) within the degrees wherein marriage is prohibited by Arizona law.
    - ii) Statutory Rape:
      - 1) Non-forcible sexual intercourse,
      - 2) with a person who is under the Arizona statutory age of consent, which is the age of 18 years old.
- 4) Dating Violence, defined as:
- a. violence,
  - b. on the basis of sex,
  - c. committed by a person,
  - d. who is in or has been in a social relationship of a romantic or intimate nature with the Complainant.
    - i. The existence of such a relationship shall be determined based on the Complainant's statement and with consideration of the length of the relationship, the type of relationship, and the frequency of interaction between the persons involved in the relationship. For the purposes of this definition
    - ii. Dating violence includes, but is not limited to, sexual or physical abuse or the threat of such abuse.
    - iii. Dating violence does not include acts covered under the definition of domestic violence.
- 5) Domestic Violence, defined as:
- a. violence,
  - b. on the basis of sex,
  - c. committed by a current or former spouse or intimate partner of the Complainant,
  - d. by a person with whom the Complainant shares a child in common, or
  - e. by a person who is cohabitating with, or has cohabitated with, the Complainant as a spouse or intimate partner, or
  - f. by a person similarly situated to a spouse of the Complainant under the domestic or family violence laws of the state of Arizona or
  - g. by any other person against an adult or youth Complainant who is protected from that person's acts under the domestic or family violence laws of the state of Arizona.

To categorize an incident as Domestic Violence, the relationship between the Respondent and the Complainant must be more than just two people living together as roommates. The people cohabitating must be current or former spouses or have an intimate relationship.

- 6) Stalking, defined as:
- a. engaging in a course of conduct,
  - b. on the basis of sex,
  - c. directed at a specific person, that would cause a reasonable person to fear for the person's safety, or the safety of others; or suffer substantial emotional distress.
- For the purposes of this definition—

- (i) Course of conduct means two or more acts, including, but not limited to, acts in which the Respondent directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveils, threatens, or communicates to or about a person, or interferes with a person's property.
- (ii) Reasonable person means a reasonable person under similar circumstances and with similar identities to the Complainant.
- (iii) Substantial emotional distress means significant mental suffering or anguish that may but does not necessarily require medical or other professional treatment or counseling.

MCCCD reserves the right to impose any level of sanction, ranging from a reprimand up to and including suspension or expulsion/termination, for any offense under this policy.

**Force, Coercion, Consent, and Incapacitation:**

As used in the offenses above, the following definitions apply:

**Force:** Force is the use of physical violence and/or physical imposition to gain sexual access. Force also includes threats, intimidation (implied threats), and coercion that is intended to overcome resistance or produce consent.

Sexual activity that is forced is, by definition, non-consensual, but non-consensual sexual activity is not necessarily forced. Silence or the absence of resistance alone is not consent. Consent is not demonstrated by the absence of resistance. While resistance is not required or necessary, it is a clear demonstration of non-consent.

**Coercion:** Coercion is unreasonable pressure for sexual activity. Coercive conduct differs from seductive conduct based on factors such as the type and/or extent of the pressure used to obtain consent. When someone makes clear that they do not want to engage in certain sexual activity, that they want to stop, or that they do not want to go past a certain point of sexual interaction, continued pressure beyond that point may be coercive.

**Consent is:**

- knowing, and
- voluntary, and
- clear permission
- by word or action
- to engage in sexual activity.

Since individuals may experience the same interaction in different ways, it is the responsibility of each party to determine that the other has consented before engaging in the activity. No one under the age of consent in Arizona, specifically, 18 years old, can consent to sexual activity.

If consent is not clearly provided prior to engaging in the activity, consent may be ratified by word or action at some point during the interaction or thereafter, but clear communication from the outset is strongly encouraged.

For consent to be valid, there must be a clear expression in words or actions that the other individual consented to that specific sexual conduct. Reasonable reciprocation can be implied. For example, if someone kisses you, you can kiss them back (if you want to) without the need to explicitly obtain *their* consent to being kissed back.

Consent can also be withdrawn once given, as long as the withdrawal is reasonably and clearly communicated. If consent is withdrawn, that sexual activity should cease within a reasonable time.

Consent to some sexual contact (such as kissing or fondling) cannot be presumed to be consent for other sexual activity (such as intercourse). A current or previous intimate relationship is not sufficient to constitute consent.

Proof of consent or non-consent is not a burden placed on either party involved in an incident. Instead, the burden remains on the MCCCCD to determine whether its policy has been violated. The existence of consent is based on the totality of the circumstances evaluated from the perspective of a reasonable person in the same or similar circumstances, including the context in which the alleged incident occurred and any similar, previous patterns that may be evidenced.

**Incapacitation:** Incapacitation occurs when someone cannot make rational, reasonable decisions because they lack the capacity to give knowing/informed consent (e.g., to understand the “who, what, when, where, why, or how” of their sexual interaction).

Incapacitation is determined through consideration of all relevant indicators of an individual’s state and is not synonymous with intoxication, impairment, blackout, and/or being drunk.

A person cannot consent if they are unable to understand what is happening or are disoriented, helpless, asleep, or unconscious, for any reason, including by alcohol or other drugs. As stated above, a Respondent violates this policy if they engage in sexual activity with someone who is incapable of giving consent.

It is a defense to a sexual assault policy violation that the Respondent neither knew nor should have known the Complainant to be physically or mentally incapacitated. “Should have known” is an objective, reasonable person standard which assumes that a reasonable person is both sober and exercising sound judgment.

This policy also covers a person whose incapacity results from a temporary or permanent physical or mental health condition, involuntary physical restraint, and/or the consumption of incapacitating drugs.

#### **XIV. RETALIATION**

Protected activity under this policy includes reporting an incident that may implicate this policy, participating in the grievance process, supporting a Complainant or Respondent, assisting in providing information relevant to an investigation, and/or acting in good faith to oppose conduct that constitutes a violation of this policy.

Acts of alleged retaliation should be reported immediately to the Title IX Coordinator and will be promptly investigated. The MCCCCD is prepared to take appropriate steps to protect individuals who fear that they may be subjected to retaliation.

It is prohibited for the MCCCCD or any member of MCCCCD’s community to take materially adverse action by intimidating, threatening, coercing, harassing, or discriminating against any individual for the purpose of interfering with any right or privilege secured by law or policy, or because the individual has made a report or complaint, testified, assisted, or participated or refused to participate in any manner in an investigation, proceeding, or hearing under this policy and procedure.

Charges against an individual for Student Conduct Code violations that do not involve sex discrimination or sexual harassment but arise out of the same facts or circumstances as a report or complaint of sex discrimination, or a report or complaint of sexual harassment, for the purpose of interfering with any right or privilege secured by Title IX, constitutes retaliation.

The following do not constitute retaliation under this policy:

1. The exercise of rights protected under the First Amendment.
2. Charging an individual with a code of conduct violation for making a materially false statement in bad faith in the course of a grievance proceeding under this policy and procedure. A determination regarding responsibility, alone, is not sufficient to conclude that any party has made a materially false statement in bad faith.

**For additional information on prohibited retaliation, please see [Retaliation](#).**

#### **XV. WHEN A COMPLAINANT DOES NOT WISH TO PROCEED**

If a Complainant does not wish for their name to be shared, does not wish for an investigation to take place, or does not want a formal complaint to be pursued, they may make such a request to the Title IX Coordinator, who will evaluate that request in light of the duty to ensure the safety of the campus and to comply with state or federal law.

The Title IX Coordinator has ultimate discretion over whether the MCCCCD proceeds when the complainant does not wish to do so. The Title IX Coordinator may sign a formal complaint to initiate a grievance process upon completion of an appropriate violence risk assessment. The Title IX Coordinator's decision to sign a formal complaint should be based on results of the violence risk assessment that show a compelling risk to health and/or safety that requires the MCCCCD to pursue formal action to protect the community.

When the Title IX Coordinator executes the written complaint, they do not become the Complainant. The Complainant is the individual who is alleged to be the victim of conduct that could constitute a violation of this policy. The Complainant (or their Advisor) may have as much or as little involvement in the process as they wish. The Complainant retains all rights of a Complainant under this Policy irrespective of their level of participation. Typically, when the Complainant chooses not to participate, the Advisor may be appointed as proxy for the Complainant throughout the process, acting to ensure and protect the rights of the Complainant.

In cases in which the Complainant requests confidentiality/no formal action and the circumstances allow the MCCCCD to honor that request, the MCCCCD will offer supportive measures, and remedies to the Complainant and the community, but will not otherwise pursue formal action.

If the Complainant elects to take no action, they can change that decision if they decide to pursue a formal complaint at a later date. Upon making a formal complaint, a Complainant has the right, and can expect, to have allegations taken seriously by the MCCCCD, and to have the incidents investigated and properly resolved through these procedures.

#### **XVI. FEDERAL TIMELY WARNING OBLIGATIONS**

Parties reporting sexual assault, domestic violence, dating violence, and/or stalking should be aware that under the Clery Act, MCCCCD must issue timely warnings for incidents reported to them that pose a serious or continuing threat of bodily harm or danger to members of the campus community.

MCCCCD will ensure that a Complainant's name and other identifying information is not disclosed, while still providing enough information for community members to make safety decisions in light of the potential danger.

#### **XVII. FALSE ALLEGATIONS AND EVIDENCE**

Deliberately false and/or malicious accusations under this policy, as opposed to allegations which, even if erroneous, are made in good faith, are a serious offense and will be referred to either the Student Conduct Code or employee conduct policies for appropriate disciplinary action.

Additionally, witnesses and parties knowingly providing false evidence, tampering with or destroying evidence after being directed to preserve such evidence, or deliberately misleading an investigator or hearing Decision-maker will be subject to discipline under the appropriate student or employee policy as well as under this policy for providing false testimony.

#### **XVIII. AMNESTY FOR COMPLAINANTS AND WITNESSES**

The MCCCCD community encourages the reporting of misconduct and crimes by Complainants and witnesses. Sometimes, Complainants or witnesses are hesitant to report to MCCCCD officials or participate in grievance processes because they fear that they themselves may be in violation of certain policies, such as underage drinking or use of illicit drugs at the time of the incident. Respondents may hesitate to be forthcoming during the process for the same reasons.

It is in the best interests of the MCCCCD community that Complainants choose to report misconduct to MCCCCD officials, that witnesses come forward to share what they know, and that all parties be forthcoming during the process. To encourage reporting and participation in the process, MCCCCD maintains a policy of offering parties and witnesses amnesty from minor policy violations, such as underage consumption of alcohol or the use of illicit drugs related to the incident being reported.

Amnesty does not apply to more serious allegations such as physical abuse of another or illicit drug distribution. A decision not to offer amnesty to a Respondent should not be based on sex nor gender, but should take into account the rationale for amnesty. The incentive to report serious misconduct is rarely applicable to Respondents with respect to a Complainant.

MCCCD maintains a policy of amnesty for students who offer help to others in need via bystander intervention. While policy violations cannot be overlooked, MCCCD may provide purely educational options with no official disciplinary finding, rather than punitive sanctions, to those who offer their assistance to others in need.

## **XIX. FEDERAL STATISTICAL REPORTING OBLIGATIONS**

Certain campus officials – those deemed Campus Security Authorities – have a duty to report the following for federal statistical reporting purposes (Clery Act):

- a) All “primary crimes,” which include homicide, sexual assault, robbery, aggravated assault, burglary, motor vehicle theft, and arson;
- b) Hate crimes, which include any bias motivated primary crime as well as any bias motivated larceny or theft, simple assault, intimidation, or destruction/damage/vandalism of property;
- c) VAWA based crimes, which include sexual assault, domestic violence, dating violence, and stalking (VAWA is the Violence Against Women Act, enacted in 1994 codified in part at 42 U.S.C. sections 13701 through 14040); and
- d) Arrests and referrals for disciplinary action for weapons-related law violations, liquor-related law violations, and drug abuse-related law violations.

All personally identifiable information is kept private, but statistical information must be passed along to campus law enforcement regarding the type of incident and its general location (on or off-campus or in the surrounding area, but no addresses are given) for publication in the Annual Security Report and daily campus crime log.

Campus Security Authorities include: presidents, vice-presidents, student affairs/student conduct staff, campus law enforcement/public safety, local police, coaches, athletic directors, student activities staff, human resources staff, Advisors to student organizations, and any other official with significant responsibility for student and campus activities.

## **XX. ALLEGED VIOLATIONS OF THE TITLE IX POLICY**

### **1. Overview**

MCCCD will act on any formal or informal notice/complaint of violation of the Title IX Sexual Harassment policy (“the Policy”) that is received by the Title IX Coordinator or any other Official with Authority by applying these procedures.

The procedures below apply **only** to qualifying allegations of sexual harassment (including sexual assault, dating violence, domestic violence, and stalking, as defined in Section XIII) involving MCCCD students, staff, administrator, or faculty members.

Unionized/other categorized employees are subject to the terms of their agreements/employees’ rights to the extent those agreements do not conflict with this policy.

### **2. Notice/Complaint**

Upon receipt of a complaint or notice to the Title IX Coordinator of an alleged violation of this Policy, MCCCD will initiate a prompt initial assessment to determine the next steps. The Title IX Coordinator will initiate at least one of three responses:

- 1) Offering supportive measures because the Complainant does not want to proceed formally;
- 2) Offering supportive measures and initiating an informal resolution; or
- 3) Offering supportive measures and initiating a Formal Grievance Process including an investigation and a hearing to determine whether or not the Policy has been violated.

### **3. Initial Assessment**

Following receipt of notice or a complaint of an alleged violation of this Policy, the Title IX Coordinator (or designee) will engage in an initial assessment, which is typically one (1) to five (5) business days in duration.

**For more information related to the Initial Assessment, please see [The Investigative Process](#).**

#### **4. Emergency Removal**

In the event an emergency removal is considered, the Title IX Coordinator will follow the procedures outlined in Section VIII of this policy.

#### **5. Dismissal (Mandatory and Discretionary)**

**Mandatory Dismissal:** The Title IX Coordinator **must** dismiss a formal complaint or any allegations therein if, at any time during the investigation or hearing, it is determined that:

- 1) The conduct alleged in the formal complaint would not constitute sexual harassment as defined in the Policy hereinabove, even if proved; and/or
- 2) The conduct did not occur in an educational program or activity controlled by MCCCCD (including buildings or property controlled by recognized student organizations), and/or MCCCCD does not have control of the Respondent; and/or
- 3) The conduct did not occur against a person in the United States.

Any conduct alleged in the formal complaint that is dismissed under the first (1st) provision above will be referred by the Title IX Coordinator to the Student Code of Conduct administrator (for student Respondents) or the college or district Human Resources administrator (for employee/third party Respondents). Referrals shall take place within three (3) days of the date of the Dismissal Letter being mailed to the parties.

**Discretionary Dismissal:** The Title IX Coordinator **may** choose to dismiss a formal complaint or any allegations therein if, at any time during the investigation or hearing:

- 1) A Complainant notifies the Title IX Coordinator in writing that the Complainant would like to withdraw the formal complaint or any allegations therein. A Complainant who decides to withdraw a complaint may later request to reinstate it or refile it; or
- 2) The Respondent is no longer enrolled in or employed by the MCCCCD; or
- 3) Specific circumstances prevent MCCCCD from gathering evidence sufficient to reach a determination as to the formal complaint or allegations therein.

Upon any dismissal, MCCCCD will promptly send written notice of the dismissal and the rationale for doing so simultaneously to the parties.

Both mandatory and discretionary dismissal decisions are appealable by any party under the procedures for appeal below.

#### **6. Counterclaims**

MCCCCD is obligated to ensure that the grievance process is not abused for retaliatory purposes. MCCCCD permits the filing of counterclaims but uses an initial assessment, described above, to assess whether the allegations in the counterclaim are made in good faith. Counterclaims made with retaliatory intent will not be permitted and may constitute a violation of this policy.

Counterclaims determined to have been reported in good faith will be processed using the grievance procedures below. Investigation of such claims may take place after resolution of the underlying initial allegation, in which case a delay may occur.

Counterclaims may also be resolved through the same investigation as the underlying allegation, at the discretion of the Title IX Coordinator.

## **7. Right to an Advisor**

The parties may each have an Advisor of their choice. The Advisor may be a friend, mentor, family member, attorney, or any other individual a party chooses to advise, support, and/or consult with them throughout the resolution process. The parties may choose Advisors from inside or outside of the MCCCCD community. The Advisor may be present with the Complainant or Respondent for all of their meetings and interviews within the resolution process, if they so choose.

The parties may select whoever they wish to serve as their Advisor as long as the Advisor is eligible and available. "Available" means the party agrees to act as Advisor and has no conflict of interest in doing so. Also, the Advisor cannot have institutionally conflicting roles, such as being a Title IX administrator who has an active role in the matter, or a supervisor who must monitor and implement sanctions.

Choosing an Advisor who is also a witness in the process creates potential for bias and conflict-of-interest. A party who chooses an Advisor who is also a witness can anticipate that issues of potential bias will be explored by the hearing Decision-maker.

If the parties choose an Advisor from the pool available from the MCCCCD, the Advisor will be trained by the MCCCCD and be familiar with the MCCCCD's resolution process. If the parties choose an Advisor from outside the pool of those identified by the MCCCCD, the Advisor may not have been trained by the MCCCCD and may not be familiar with MCCCCD policies and procedures.

Parties also have the right to choose not to have an Advisor in the initial stages of the resolution process, prior to a hearing. If either party chooses not to have an Advisor present in the initial stages of the resolution process, this choice will be documented in the record of the case.

**For more information regarding the training received by an Advisor, please see [Advisors FAQ](#).**

### **a. Advisors in Hearings/MCCCCD-Appointed Advisor**

Under U.S. Department of Education regulations applicable to Title IX, cross-examination is required during the hearing, but must be conducted by the parties' Advisors. The parties are not permitted to directly cross-examine each other or any witnesses. If a party does not have an Advisor for a hearing, MCCCCD will appoint a trained Advisor for the limited purpose of conducting cross-examination.

A party may reject this appointment and choose their own Advisor, but they may not proceed with the hearing without an Advisor. If the party's Advisor will not conduct cross-examination, MCCCCD will appoint an Advisor who will do so thoroughly, regardless of the participation or non-participation of the advised party in the hearing itself. Extensive questioning of the parties and witnesses may also be conducted by the Decision-maker during the hearing.

### **b. Pre-Interview Meetings**

Advisors may request to meet with the administrative officials conducting interviews/meetings in advance of these interviews or meetings. In order for a pre-interview meeting to be held it must be requested by the Advisor. This pre-meeting allows Advisors to clarify and understand their role and MCCCCD's policies and procedures. A pre-interview meeting is not mandatory.

### **c. Advisor Violations of MCCCCD Policy**

All Advisors are subject to the same MCCCCD policies and procedures, whether they are attorneys or not. Advisors are expected to advise without disrupting proceedings. Advisors may not address MCCCCD officials in a meeting or interview unless invited to do so (e.g., asking procedural questions). The Advisor may not speak on behalf of their advisee during any meeting or proceeding and may not speak on behalf of the advisee to the investigator(s) or other Decision-maker except during a hearing proceeding, during cross-examination.



The parties are expected to respond to questions on their own behalf throughout the investigation phase of the resolution process. Although the Advisor generally may not speak on behalf of their advisee, the Advisor may consult with their advisee, either privately as needed, or by conferring or passing notes during any resolution process meeting or interview. For longer or more involved discussions, the parties and their Advisors should ask for breaks to allow for private consultation.

Any Advisor who oversteps their role as defined by this policy will be warned only once. If an Advisor continues to disrupt or otherwise fails to respect the limits of the Advisor role, the meeting will be ended, or other appropriate measures implemented. Subsequently, the Title IX Coordinator will determine how to address the Advisor's non-compliance and future role.

#### **d. Sharing Information with the Advisor**

Parties may share documentation and evidentiary information directly with their Advisor or other individuals if they wish. Doing so may help the parties participate more meaningfully in the resolution process.

MCCCD also provides a consent form (FERPA authorization to release) that authorizes the MCCCD to share such information directly with a party's Advisor. The parties must either complete and submit this form to the Title IX Coordinator or provide similar documentation demonstrating consent to a release of information to the Advisor before MCCCD is able to share records with an Advisor.

The MCCCD will not comply with any party's request that all communications be made through their attorney Advisor.

#### **e. Privacy of Records Shared with Advisor**

Advisors are expected to maintain the privacy of the records shared with them. These records may not be shared with third parties, disclosed publicly, or used for purposes not explicitly authorized by MCCCD. MCCCD may seek to restrict the role of any Advisor who does not respect the sensitive nature of the process or who fails to abide by the MCCCD's privacy expectations.

#### **f. Expectations of an Advisor**

The MCCCD expects an Advisor to adjust their schedule to allow them to attend MCCCD meetings when planned. At the sole discretion of the Title IX Coordinator, scheduled meetings may be changed to accommodate an Advisor's inability to attend, if doing so does not cause an unreasonable delay. A Title IX Coordinator's decision as to whether to change meeting dates and times is final.

MCCCD may also make reasonable provisions to allow an Advisor who cannot attend in person to attend a meeting by telephone, video conferencing, or other similar technologies as may be convenient and available.

#### **g. Expectations of the Parties with Respect to Advisors**

A party may elect to change Advisors during the process and is not obligated to use the same Advisor throughout. The parties are expected to inform the Investigator(s) of the identity of their Advisor at least two (2) business days before the date of their first meeting with Investigators (or as soon as possible if a more expeditious meeting is necessary or desired).

The parties are expected to provide timely notice to the Title IX Coordinator if they change Advisors at any time. It is assumed that if a party changes Advisors, consent to share information with the previous Advisor is terminated, and a release for the new Advisor must be secured. Parties are expected to inform the Title IX Coordinator of the identity of their hearing Advisor at least two (2) business days before the hearing.

### **8. Resolution Processes**

Resolution proceedings are private. All persons present at any time during the resolution process are expected to maintain the privacy of the proceedings in accordance with MCCCD policy. While there is an expectation of privacy

around what Investigators share with parties during interviews, the parties have discretion to share their own knowledge and evidence with others if they so choose. MCCCCD encourages parties to discuss this topic with their Advisors before doing so.

## **9. Formal Grievance Process**

The Formal Grievance Process relies on a pool of administrators (“the Pool”) to carry out the process. Members of the Pool are announced in an annual distribution of this policy to all students, parents/guardians of students, employees, prospective students, and prospective employees. They are also listed in the Annual Title IX Report published by the Title IX Office.

**For more information regarding the Formal Grievance Pool—including selection, training, and responsibilities—please see [Formal Grievance Pool](#).**

## **10. Formal Grievance Process: Notice of Investigation and Allegations**

The Title IX Coordinator will provide written notice of allegations (the “NOA”) to the Respondent upon commencement of the Formal Grievance Process. This facilitates the Respondent’s ability to prepare for the interview and to identify and choose an Advisor to accompany them. The NOA is also copied to the Complainant, who is to be given advance notice of when the NOA will be delivered to the Respondent.

The NOA will include:

- A meaningful summary of all of allegations,
- The identity of the involved parties (if known),
- The precise misconduct being alleged,
- The date and location of the alleged incident(s) (if known),
- The specific policies implicated,
- A statement of the potential sanctions/responsive actions that could result,
- A statement that the MCCCCD presumes the Respondent is not responsible for the reported misconduct unless and until the evidence supports a different determination,
- A statement that determinations of responsibility are made at the conclusion of the process and that the parties will be given an opportunity to inspect and review all directly related and/or relevant evidence obtained during the review and comment period,
- A statement about the MCCCCD’s policy on retaliation,
- Information on the need for each party to have an Advisor of their choosing and suggestions for ways to identify an Advisor,
- A statement informing the parties that the MCCCCD’s policy prohibits knowingly making false statements, including knowingly submitting false information during the resolution process,
- Detail on how the party may request disability accommodations during the interview process,
- A suggested date and time for an initial meeting (proper time will be given to allow for the selection of an Advisor)
- The name(s) of the Investigator(s), along with a process to identify, in advance of the interview process, to the Title IX Coordinator any conflict of interest that the Investigator(s) may have, and
- An instruction to preserve any evidence that is directly related to the allegations.

Amendments and updates to the NOA may be made as the investigation progresses and more information becomes available regarding the addition or dismissal of various charges.

Notice will be made in writing and will be sent via electronic mail to the MCCCCD-issued email account and mailed via regular mail to the local or permanent address as indicated in official MCCCCD records. Notice is presumed to have been given upon emailing the NOA to the Respondent’s MCCCCD-owned email address. The NOA will also be placed in regular mail, postage pre-paid.

## **11. Resolution Timeline**

The MCCCCD will make a good faith effort to complete the resolution process within a sixty-to-ninety (60-90) business day

time period, including appeal, which can be extended as necessary for appropriate cause by the Title IX Coordinator, who will provide notice and rationale for any extensions or delays to the parties as appropriate, as well as an estimate of how much additional time will be needed to complete the process.

### **12. Appointment of Investigators**

Once the decision to commence a formal investigation is made, the Title IX Coordinator shall appoint a team of two (2) investigators to investigate the allegations. Appointment of investigators typically occurs within two (2) business days of determining that an investigation should proceed.

### **13. Ensuring Impartiality**

Any individual materially involved in the administration of the resolution process may neither have nor demonstrate a conflict of interest or bias for a party generally, or for a specific Complainant or Respondent. The Title IX Coordinator will vet the assigned Investigator(s) to ensure impartiality by ensuring there are no actual or apparent conflicts of interest or disqualifying biases. The parties may, at any time during the resolution process, raise a concern regarding bias or conflict of interest, and the Title IX Coordinator will determine whether the concern is reasonable and supportable. The Title IX Coordinator's decision regarding allegations of bias or conflict of interest is final.

The Formal Grievance Process involves an objective evaluation of all relevant inculpatory and exculpatory evidence obtained. Credibility determinations may not be based solely on an individual's status or participation as a Complainant, Respondent, or witness.

A Respondent is presumed not to be responsible for the reported misconduct unless and until the Respondent is determined to be responsible for a policy violation by the applicable preponderance of the evidence standard.

### **14. Delays in the Investigation Process and Interactions with Law Enforcement**

The MCCCCD may undertake a short delay in its investigation (several days) if the following circumstances require: a request from law enforcement to temporarily delay the investigation, the need for language assistance, the absence of parties and/or witnesses, and/or accommodations for disabilities or health conditions, or such circumstances as determined by the Title IX Coordinator in their sole discretion.

The MCCCCD will communicate in writing the anticipated duration of the delay and reason to the parties and provide the parties with status updates if necessary. The MCCCCD will promptly resume its investigation and resolution process as soon as feasible. During such a delay, MCCCCD will implement supportive measures, as deemed appropriate.

The MCCCCD's action(s) are not typically altered or precluded on the grounds that civil or criminal charges involving the underlying incident(s) have been filed or that criminal charges have been dismissed or reduced.

### **15. The Investigation Process**

All investigations should be thorough, reliable, impartial, prompt, and fair. Investigations involve interviews with all relevant parties and witnesses; obtaining available, relevant evidence; and identifying sources of expert information, as necessary. Either party may submit a written statement to the Title IX Coordinator outlining their position on the allegations.

All parties have a full and fair opportunity, through the investigation process, to suggest witnesses and questions, to provide evidence and expert witnesses (at their own expense), and to fully review and respond to all evidence on the record.

**For additional information regarding steps in the investigative process, please see [Investigative Process](#).**

### **16. Role and Participation of Witnesses in the Investigation**

Witnesses (as distinguished from the parties) who are employees or students of the MCCCCD are expected to cooperate with and participate in the MCCCCD's investigation and resolution process. Failure of such witnesses to cooperate with and/or participate in the investigation or resolution process constitutes a violation of this policy and may warrant discipline.

While in-person interviews for parties and all potential witnesses are ideal, circumstances (e.g., study abroad, summer break) may require individuals to be interviewed remotely. Skype, Zoom, FaceTime, WebEx, or similar technologies may be used for interviews if the Investigator(s) determine that timeliness or efficiency dictate a need for remote interviewing. MCCCCD will take appropriate steps to reasonably ensure the security/privacy of remote interviews.

Witnesses may also provide written statements in addition to being interviewed. If a witness submits a written statement but does not intend to be and is not present for cross examination at a hearing, their written statement may not be used as evidence.

### **17. Recording of Interviews**

No audio or video recording of any kind is permitted during investigation meetings.

### **18. Evidentiary Considerations in the Investigation**

The investigation does not consider:

- 1) incidents not directly related to the possible violation, unless they evidence a pattern;
- 2) the character of the parties; or
- 3) questions and evidence about the Complainant's sexual predisposition or prior sexual behavior, unless such questions and evidence about the Complainant's prior sexual behavior are offered to prove that someone other than the Respondent committed the conduct alleged by the Complainant, or if the questions and evidence concern specific incidents of the Complainant's prior sexual behavior with respect to the Respondent and are offered to prove consent.

### **19. Referral for Hearing**

The Title IX Coordinator will refer the matter for a hearing, once the final investigative report is shared with the parties.

The hearing cannot be less than ten (10) business days from the conclusion of the investigation, when the final investigation report is made available to the Parties and the Decision-maker for review and comment, unless all parties, and the Decision-maker agrees to an expedited timeline. This agreement must be in writing.

The Title IX Coordinator will select a Decision-maker that is hired from a list of approved attorneys for any hearing held under the Title IX policy.

### **20. Hearing Decision-maker Composition**

The MCCCCD will designate a single decision-maker. The single Decision-maker will also be the Chair of the hearing. The Decision-maker will not have had any previous involvement with the investigation. The Decision-maker is an out-sourced position. The Decision-maker will not be an MCCCCD employee. The Decision-maker will have had no previous involvement in the matter at hand.

### **21. Evidentiary Considerations in the Hearing**

Any evidence that the Decision-maker determines is relevant and credible may be considered. The hearing does not consider:

- 1) incidents not directly related to the possible violation, unless they evidence a pattern;
- 2) the character of the parties; or
- 3) questions and evidence about the Complainant's sexual predisposition or prior sexual behavior, unless such questions and evidence about the Complainant's prior sexual behavior are offered to prove that someone other than the Respondent committed the conduct alleged by the Complainant, or if the questions and evidence concern specific incidents of the Complainant's prior sexual behavior with respect to the Respondent and are offered to prove consent.

Previous disciplinary action of any kind involving the Respondent may be considered in determining an appropriate sanction upon a determination of responsibility. This information is only considered at the sanction stage of the process.

The parties, if they so choose, may submit a written impact statement prior to the hearing for the consideration of the Decision-maker at the sanction stage of the process when a determination of responsibility is reached.

After post-hearing deliberation, the Decision-maker renders a determination based on the preponderance of the evidence--whether it is more likely than not that the Respondent violated the policy as alleged.

## **22. Notice of Hearing**

No less than ten (10) business days prior to the hearing, the Title IX Coordinator will send notice of the hearing to the parties via email to the individual MCCCCD-issued email address. Once emailed, notice will be presumptively delivered.

The notice will contain:

1. A description of the alleged violation(s), a list of all policies allegedly violated, a description of the applicable procedures, and a statement of the potential sanctions/responsive actions that could result.
2. The time, date, and location of the hearing and a reminder that attendance is mandatory, superseding all other campus activities. Thoroughness and fairness are the primary FOCI of any Title IX hearing process. Hearings are generally scheduled for two (2) hours, but can be extended, as needed at the discretion of the Decision-maker, to ensure that both parties are able to present the information relevant to their position. (e.g., complicated fact pattern, numerous witnesses, etc.).
3. Any technology that will be used to facilitate the hearing.
4. A list of all those who will attend the hearing, along with an invitation to object to the Decision-maker on the basis of demonstrated bias. This must be raised with the Title IX Coordinator at least two (2) business days prior to the hearing.
5. Information on how the hearing will be recorded and on access to the recording for the parties after the hearing.
6. A statement that if any party or witness does not appear at the scheduled hearing, the hearing may be held in their absence, and the party's or witness's testimony and any statements given prior to the hearing will not be considered by the Decision-maker. For compelling reasons, the Decision-maker may reschedule the hearing.
7. Notification that the parties may have the assistance of an Advisor of their choosing at the hearing and will be required to have one present for any questions they may desire to ask. The party must notify the Title IX Coordinator if they do not have an Advisor, and the MCCCCD will appoint one. Each party must have an Advisor present. There are no exceptions.
8. An invitation to each party to submit to the Decision-maker an impact statement. Pre-hearing that the Decision-maker will review during any sanction determination.
9. An invitation to contact the Title IX Coordinator to arrange any disability accommodations, language assistance, and/or interpretation services that may be needed at the hearing, at least seven (7) business days prior to the hearing.
10. Direction that the parties may not bring mobile phones/devices into the hearing.

Hearings for possible violations that occur near or after the end of an academic term (assuming the Respondent is still subject to this policy) and are unable to be resolved prior to the end of term will typically be held immediately after the end of the term or during the summer, as needed, to meet the resolution timeline followed by the MCCCCD and remain within the 60-90 business day goal for resolution.

In these cases, if the Respondent is a graduating student, a hold may be placed on graduation and/or official transcripts until the matter is fully resolved (including any appeal). A student facing charges under this policy is not in good standing to graduate.

## **23. Virtual Hearings**

All hearings will occur virtually by use of technology, specifically WebEx or Zoom technology. Each party will be located in a separate room from the Decision-maker, but will be able to see and hear each other. Witnesses will testify in the same room as the Decision-maker, but not the room where the parties and their Advisors sit. The Title IX Coordinator will arrange to use technology to allow remote testimony without compromising the fairness of the hearing.

## **24. Pre-Hearing Preparation**

The Decision-maker, or designee, after any necessary consultation with the parties, Investigator(s) and/or Title IX Coordinator, will provide the names of persons who will be participating in the hearing, all pertinent documentary evidence, and the final investigation report to the parties at least ten (10) business days prior to the hearing. During the ten (10) business day period prior to the hearing, the parties have the opportunity to review and comment on the final investigation report and available evidence.

The Decision-maker, or designee will also provide the parties a copy of the pre-hearing preparation checklist/document. A copy of the pre-hearing preparation checklist/document may be found on the MCCCCD's Title IX webpage: <https://district.maricopa.edu/consumer-information/title-ix/>

## **25. Hearing Procedures**

At the hearing, the Decision-maker has the authority to hear and make determinations on all allegations of sexual harassment and/or retaliation and may also hear and make determinations on any additional alleged policy violations that have occurred in concert with the discrimination, harassment, and/or retaliation, even though those collateral allegations may not specifically fall within the Title IX policy.

Participants at the hearing will include the Decision-maker, the hearing facilitator, the Investigator(s) who conducted the investigation, the parties, Advisors to the parties, any called witnesses, the Title IX Coordinator and anyone providing authorized accommodations or assistive services.

The Decision-maker will answer all questions of procedure. Anyone appearing at the hearing to provide information will respond to questions on their own behalf.

The Decision-maker will allow witnesses who have relevant information to appear at a portion of the hearing in order to respond to specific questions from the Decision-maker and the parties and will then be excused from attendance.

## **26. Joint Hearings**

In hearings involving more than one Respondent or in which two (2) or more Complainants have accused the same individual of substantially similar conduct, the parties may agree to hear the allegations jointly. All parties must agree to a joint hearing. If one party does not agree, the default will be to hold the hearings separately.

In joint hearings, separate determinations of responsibility will be made for each Respondent with respect to each alleged policy violation.

## **27. Refusal to Submit to Cross-Examination and Inferences**

The Decision-maker may not rely on any prior statement made by any party or witness at the hearing (including those contained in the investigation report) in the ultimate determination of responsibility, if that party or witness chooses not to submit to cross-examination at the hearing, by either failing to attend the hearing or by attending but refusing to participate in questioning. The Decision-maker may consider evidence provided that is something other than a statement by such a party or witness.

If the party or witness attends the hearing and answers some, but not all, cross-examination questions, the Decision-maker may rely only on those statements related to the cross-examination questions that they answered. The Decision-maker cannot rely on any portion of a statement related to cross-examination questions that a party or witness refused to answer. Except that, a Decision-maker can rely on statements that are the subject of the allegation itself (e.g., the case is about verbal harassment or a quid pro quo offer), even if the party who allegedly made the statements refuses to attend the hearing or submit to cross-examination.

The Decision-maker may not draw any inference solely from a party's or witness's absence from the hearing or refusal to answer cross-examination or other questions.

If charges of policy violations other than sexual harassment are considered at the same hearing, the Decision-maker may consider all evidence it deems relevant, may rely on any relevant statement as long as the opportunity for

cross-examination is afforded to all parties through their Advisors, and may draw reasonable inferences from any decision by any party or witness not to participate or respond to questions.

If a party's Advisor of choice refuses to comply with MCCCDC's established rules of decorum for the hearing, MCCCDC may require the party to use a different Advisor. If a MCCCDC-provided Advisor refuses to comply with the rules of decorum, the Title IX Coordinator may provide that party with a different Advisor to conduct cross-examination on behalf of that party.

### **28. Recording Hearings**

Hearings (but not deliberations) are recorded by MCCCDC for purposes of review in the event of an appeal. The parties may not record the proceedings and no other unauthorized recordings are permitted.

The Decision-maker, the parties, their Advisors, and appropriate administrators of the MCCCDC will be permitted to listen to the recording in a controlled environment determined by the Title IX Coordinator. No person will be given a copy or be allowed to make a copy of the recording.

### **29. Deliberation, Decision-making, and Standard of Proof**

The Decision-maker will deliberate alone to determine, by a preponderance of the evidence, whether the Respondent is responsible or not responsible for the policy violation(s) in question. The deliberation period is not to exceed five (5) days. The Decision-maker may consider the previously submitted party impact statements in determining appropriate sanction(s), when there is a finding of responsibility as to one or more of the allegations.

The Decision-maker will ensure that each of the parties has an opportunity to review any impact statement submitted by the other party(ies). The Decision-maker may--at their discretion--consider the statements, but they are not binding.

The Decision-maker will then prepare a written deliberation statement and deliver it to the Title IX Coordinator, detailing the determination, rationale, the evidence used in support of its determination, the evidence disregarded, credibility assessments, and any sanctions. This report typically should not exceed three (3) to five (5) pages in length and must be submitted electronically to the Title IX Coordinator within two (2) business days of the end of deliberations, unless the Title IX Coordinator grants an extension. If an extension is granted, the Title IX Coordinator will notify the parties in writing of the extension.

### **30. Notice of Outcome**

Using the deliberation statement, the Title IX Coordinator will prepare a Notice of Outcome, which shall include the final determination, rationale, and any applicable sanction(s). The Title IX Coordinator will then provide the Notice of Outcome to the parties and their Advisors within five (5) business days of receiving the Decision-maker's deliberation statement. The Notice of Outcome must be shared with the parties simultaneously.

Notification will be made in writing and will be mailed to the local or permanent address of the parties as indicated in official MCCCDC records, or emailed to the parties' MCCCDC-issued email or otherwise approved account. Once mailed, emailed, and/or received in-person, notice will be presumptively delivered.

**For more information about the Notice of Outcome Letter, please see [Notice of Outcome](#).**

### **31. Sanctions**

Factors considered when determining a sanction/responsive action may include, but are not limited to:

1. The nature, severity of, and circumstances surrounding the violation(s)
2. The Respondent's disciplinary history
3. Previous allegations or allegations involving similar conduct
4. The need for sanctions/responsive actions to bring an end to the discrimination, harassment, and/or retaliation
5. The need for sanctions/responsive actions to prevent the future recurrence of discrimination, harassment, and/or retaliation
6. The need to remedy the effects of the discrimination, harassment, and/or retaliation on the Complainant and the

community

7. Any other information deemed relevant by the Decision-maker

The sanctions will be implemented as soon as is feasible, either upon the outcome of any appeal or the expiration of the window to appeal without an appeal being requested.

The sanctions described in this policy are not exclusive of, and may be in addition to, other actions taken or sanctions imposed by external authorities.

#### **a. Student Sanctions**

The following are the usual sanctions that may be imposed upon students or organizations singly or in combination:

1. *Warning*: A formal statement that the conduct was unacceptable and a warning that further violation of any MCCCDC policy, procedure, or directive will result in more severe sanctions/responsive actions.
2. *Required Counseling*: A mandate to meet with and engage in external counseling to better comprehend the misconduct and its effects.
3. *Probation*: A written reprimand for violation of institutional policy, providing for more severe disciplinary sanctions in the event that the student is found in violation of any institutional policy, procedure, or directive within a specified period of time. Terms of the probation will be articulated and may include denial of specified social privileges, exclusion from co-curricular activities, exclusion from designated areas of campus, no-contact orders, and/or other measures deemed appropriate.
4. *Suspension*: Termination of student status for a definite period of time not to exceed two years and/or until specific criteria are met. Students who return from suspension are automatically placed on probation through the remainder of their tenure as a student at MCCCDC.
5. *Expulsion*: Permanent termination of student status and revocation of rights to be on any MCCCDC campus for any reason or to attend MCCCDC-sponsored events.
6. *Withholding Diploma*: MCCCDC may withhold a student's diploma for a specified period of time and/or deny a student participation in commencement activities if the student has an allegation pending or as a sanction if the student is found responsible for an alleged violation.
7. *Revocation of Degree*: MCCCDC reserves the right to revoke a degree previously awarded from MCCCDC for fraud, misrepresentation, and/or other violation of MCCCDC policies, procedures, or directives in obtaining the degree, or for other serious violations committed by a student prior to graduation.
8. *Organizational Sanctions*: Deactivation, loss of recognition, loss of some or all privileges (including MCCCDC registration) for a specified period of time.
9. *Other Actions*: In addition to or in place of the above sanctions, MCCCDC may assign any other sanctions as deemed appropriate.

#### **b. Employee Sanctions**

Responsive actions for an employee who has engaged in harassment, discrimination, and/or retaliation include:

1. Warning – Verbal or Written
2. Performance Improvement/Management Process
3. Required Counseling
4. Required Training or Education
5. Probation
6. Loss of Annual Pay Increase
7. Loss of Oversight or Supervisory Responsibility
8. Demotion
9. Suspension with pay
10. Suspension without pay
11. Termination
12. Other Actions: In addition to or in place of the above sanctions, the MCCCDC may assign any other sanctions as deemed appropriate.



### **32. Withdrawal or Resignation While Charges Pending**

Students: If a student is a Respondent in a pending matter alleging a violation of the Title IX policy, the MCCCCD may place a hold on a student's ability to graduate and/or to receive an official transcript/diploma.

Should a student decide to not participate in the resolution process, the process proceeds absent their participation to a reasonable resolution. Should a student Respondent permanently withdraw from the MCCCCD, the resolution process ends, as the MCCCCD no longer has disciplinary jurisdiction over the withdrawn student. A student who withdraws or leaves while the process is pending may not return to any MCCCCD college. Such exclusion applies to all campuses of MCCCCD. A hold will be placed on their ability to be readmitted. They may also be barred from MCCCCD property and/or events.

However, MCCCCD will continue to address and remedy any systemic issues, variables that may have contributed to the alleged violation(s), and any ongoing effects of the alleged harassment, discrimination, and/or retaliation.

During the resolution process, MCCCCD may put a hold on a responding student's educational record that a disciplinary matter is pending.

Employees: Should an employee Respondent resign with unresolved allegations pending, the resolution process ends, as MCCCCD no longer has disciplinary jurisdiction over the resigned employee. The employee who resigns with unresolved allegations pending is not eligible for rehire with any MCCCCD or any campus of the MCCCCD, and the records retained by the Title IX Coordinator will reflect that status. Human Resources should also be notified and make the appropriate notation on its list of people who are not permitted to be rehired.

However, MCCCCD will continue to address and remedy any systemic issues, variables that contributed to the alleged violation(s), and any ongoing effects of the alleged harassment or discrimination.

All MCCCCD responses to future inquiries regarding employment references for that individual will include that the former employee resigned during a pending disciplinary matter.

### **33. Appeals**

Any party may file a Request for Appeal by submitting such a request in writing to the Title IX Coordinator within five (5) days of the delivery of the Notice of Outcome Letter. Once the five (5) days have passed, the matter will be deemed closed.

The request for appeal will be forwarded to the Provost or Chief Academic Officer for the MCCCCD, acting as the Appeal Chair, for consideration to determine if the request meets the grounds for appeal.

#### **a. Grounds for Appeal**

Appeals are limited to the following grounds:

- (A) Procedural irregularity that affected the outcome of the matter;
- (B) New evidence that was not reasonably available at the time the determination regarding responsibility or dismissal was made, that could affect the outcome of the matter; and
- (C) An allegation that the Title IX Coordinator, Investigators, or Decision-maker had a conflict of interest or bias for or against Complainants or Respondents generally or the specific Complainant or Respondent that affected the outcome of the matter.

The Appeal Chair will deny any request for appeal that does not meet the grounds in this policy and will notify the parties and their Advisors in writing of the denial and the rationale. Denials based on lack of grounds shall be communicated to the requesting party within five (5) days of the request for appeal being received by the Appeal Chair.

If any of the grounds in the Request for Appeal meet the grounds in this policy, then the Appeal Chair will:

1. Notify the other party(ies) and their Advisors, the Title IX Coordinator, and, when appropriate, the investigators and/or the original Decision-maker.
2. Provide the other party(ies) and their Advisors, the Title IX Coordinator, and, when appropriate, the Investigators and/or the original Decision-maker a copy of the appeal request with the approved grounds outlined.
3. Provide the other party(ies) and their Advisors, the Title IX Coordinator, and when appropriate, the investigators and/or the original Decision-maker five (5) days to submit a response to the portion of the appeal that was approved and involves them.
4. Collect any additional information needed and all documentation regarding the approved grounds and the subsequent responses and render a decision in no more than fifteen (15) days from the date the Request for Appeal was filed, barring exigent circumstances. All decisions apply the preponderance of the evidence.
5. Prepare a Notice of Appeal Outcome letter and send it to all parties simultaneously, which includes the decision on each approved ground and rationale for each decision. The Notice of Appeal Outcome letter will also outline specific instructions for remand or reconsideration of any sanction imposed by the Decision-maker, which MCCCDC is permitted to share according to state or federal law.

The Notice of Appeal Outcome letter will be mailed to the local or permanent address of the parties as indicated in official institutional records and emailed to the parties' MCCCDC-issued email or otherwise approved account. Notice is presumed to have been made once the letter is emailed.

#### **b. Sanctions Status During the Appeal**

Any sanctions imposed as a result of the hearing are stayed during the appeal process. Supportive measures may be continued or reinstated, subject to the supportive measures procedure in Section VII of this policy.

MCCCDC may still place holds on official transcripts, diplomas, graduations, and course registration pending the outcome of an appeal when the original sanctions included separation.

#### **34. Long-Term Remedies/Other Actions**

Following the conclusion of the resolution process, and in addition to any sanctions implemented, the Title IX Coordinator may implement additional long-term remedies or actions with respect to the parties and/or the campus community that are intended to stop the harassment, and/or retaliation, remedy the effects, and prevent reoccurrence.

These remedies/actions may include, but are not limited to:

1. Referral to community services including counseling and health services
2. Referral to the Employee Assistance Program
3. Education to the individual and/or the community
4. Permanent alteration of work arrangements for employees
5. Provision of campus safety escorts
6. Climate surveys
7. Policy modification and/or training
8. Implementation of long-term contact limitations between the parties
9. Implementation of adjustments to academic deadlines, course schedules, etc.

At the discretion of the Title IX Coordinator, certain long-term support or measures may also be provided to the parties even if no policy violation is found.

When no policy violation is found, the Title IX Coordinator will address any remedies owed by the MCCCDC to the Respondent to ensure that the Respondent did not experience effective denial of educational access.

The MCCCCD will maintain the privacy of any Party subject to any long-term remedies/actions/measures, provided doing so does not impair the MCCCCD's ability to provide these services.

### **35. Failure to Comply with Sanctions and/or Interim and Long-term Remedies and/or Responsive Actions**

All parties are expected to comply with the assigned sanctions, responsive actions, and/or corrective actions within the timeframe specified by the final Decision-maker (including the Appeal Chair).

Failure to abide by the sanction(s)/action(s) imposed by the date specified, whether by refusal, neglect, or any other reason, may result in additional sanction(s)/action(s), including suspension, expulsion, and/or termination from the MCCCCD.

A suspension will only be lifted when compliance is achieved to the satisfaction of the Title IX Coordinator.

### **36. Recordkeeping**

MCCCCD will maintain for a period of seven (7) years records of:

1. Each sexual harassment investigation including any determination regarding responsibility and any audio or audiovisual recording or transcript required under federal regulation;
2. Any disciplinary sanctions imposed on the Respondent;
3. Any remedies provided to the Complainant designed to restore or preserve equal access to the MCCCCD's education program or activity;
4. Any appeal and the result therefrom;
5. Any Informal Resolution and the result therefrom;
6. All materials used to train Title IX Coordinators, investigators, Decision-makers, and any person who facilitates an Informal Resolution process. MCCCCD will make these training materials publicly available on MCCCCD's website. (Note: If the MCCCCD does not maintain a website, MCCCCD must make these materials available upon request for inspection by members of the public.); and
7. Any actions, including any supportive measures, taken in response to a report or formal complaint of sexual harassment, including:
  - a. The basis for all conclusions that the response was not deliberately indifferent;
  - b. Any measures designed to restore or preserve equal access to the MCCCCD's education program or activity; and
  - c. If no supportive measures were provided to the Complainant, document the reasons why such a response was not clearly unreasonable in light of the known circumstances.

The MCCCCD will also maintain any and all records in accordance with state and federal laws. The MCCCCD will follow the destruction of records policy as outlined by the state of Arizona.

### **37. Disabilities Accommodations in the Resolution Process**

MCCCCD is committed to providing reasonable accommodations and support to qualified students, employees, or others with disabilities to ensure equal access to the MCCCCD's resolution process. Anyone needing such accommodation should contact the Title IX Coordinator and request the accommodation. The Title IX Coordinator shall seek consultation from the college Disability Resource Services Manager (for students) or Human Resources (for employees).

### **38. Mandatory Training**

This policy requires that annual training for the Title IX Coordinators, investigators, decision-makers, and any person who facilitates an informal resolution process will include:

1. the definition of sexual harassment under this policy,
2. the scope of the MCCCCD's education program or activity,
3. how to conduct an investigation and grievance process including hearings, appeals, and informal resolution processes, as applicable, and

4. how to serve impartially, including by avoiding prejudgment of the facts at issue, conflicts of interest, and bias.

Decision-makers will receive annual training on any technology to be used at a live hearing and on issues of relevance of questions and evidence, including when questions and evidence about the complainant's sexual predisposition or prior sexual behavior are not relevant.

Investigators will receive annual training on issues of relevance to create an investigative report that fairly summarizes relevant evidence.

Any materials used to train Title IX Coordinators, investigators, decision-makers, and any person who facilitates an informal resolution process, must not rely on sex stereotypes and must promote impartial investigations and adjudications of formal complaints of sexual harassment.

### **39. Revision of this Policy and Procedures**

This policy and procedures supersede any previous policy(ies) addressing Title IX sexual harassment and discrimination. The policy (administrative regulation) will be reviewed and updated as needed by the Title IX Coordinator, in consultation with any other stakeholders deemed necessary by the Title IX Coordinator and upon approval by the Chancellor. MCCCDC reserves the right to make changes to this document as necessary, and once those changes are posted online, they are in effect.

During the resolution process, the Title IX Coordinator may make minor modifications to procedures that do not materially jeopardize the fairness owed to any party, such as to accommodate summer schedules. District legal may also vary procedures materially with notice (on the institutional website, with the appropriate effective date identified) upon determining that changes to law or regulation require policy or procedural alterations not reflected in this policy and procedures.

If government laws or regulations change – or court decisions alter – the requirements in a way that impacts this document, this document will be construed to comply with the most recent government regulations or holdings.

This document does not create legally enforceable protections beyond the protection of the background state and federal laws which frame such policies and codes, generally.

This policy and procedures are effective August 14, 2020.

ATIXA 2020 ONE POLICY, TWO PROCEDURES MODEL.

USE AND ADAPTATION OF THIS MODEL WITH CITATION TO ATIXA IS PERMITTED THROUGH A LIMITED LICENSE TO MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT ALL OTHER RIGHTS.

**AMENDED by Direct Approval from the Chancellor, September 16, 2020**

**ADOPTED by Direct Approval from the Chancellor, August 3, 2020**

\*\*\*\*\* SECTION TO INCLUDE IN HANDBOOK\*\*\*\*\*

**AMENDED by Direct Approval from the Chancellor, April 1, 2015**

### **Discrimination Complaint Procedures for Students**

This procedure provides a means for resolving complaints by students who believe they have been adversely affected by illegal or prohibited discrimination by the Maricopa County Community College District (MCCCDC), a member college or center, or their students or employees.

Complaints may be brought under this procedure for discrimination based on race, color, religion, national origin, citizenship status (including document abuse), sex (including pregnancy and sexual harassment), sexual orientation,

gender identity, age, veteran status, physical or mental disability, or genetic information. The entire college community should act promptly upon receipt of an allegation of conduct that might constitute discrimination. Any member of the college community should refer a person who might be a victim of such conduct to these procedures, as well as to the college officials responsible for conducting an investigation pursuant to these procedures.

Students who believe they are experiencing sexual harassment may submit a complaint under the Sexual Harassment Policy for Students 2.4.4. If a student has been a victim of sexual assault, a complaint may also be filed with College Public Safety (CPS).

All deadlines prescribed for Report, Informal Resolution and Formal Resolution processes may be extended by the Vice President of Student Affairs for good reason, such as (but not limited to) when classes are not in session or upon mutual agreement by the parties. Notwithstanding any deadline extension, college officials should take all necessary steps to ensure prompt and equitable resolution of any complaint of discrimination.

Information related to MCCCDC's Discrimination Complaint Procedure for Students is also available from the Office of General Counsel's Office of Public Stewardship at 480-731-8880.

### **Informal Resolution of Discrimination Complaints**

Before filing a formal complaint under this procedure, a student may attempt to resolve the problem through informal discussions with the person claimed to have engaged in discriminatory conduct and that person's supervisor or department head. The supervisor or department head will notify the Vice President of Student Affairs who may designate an employee to provide such assistance. If a student alleges discrimination based upon physical or mental disability the Vice President of Student Affairs, who is designated at each college as the ADA/504 Coordinator or the Associate Vice Chancellor of Student Affairs who is designated as the District ADA/504 Coordinator, will assist directly in the informal resolution process. Each Vice President and the Associate Vice Chancellor has knowledge of the ADA/504 regulations applicable to students with disabilities. The Vice President of Student Affairs may modify or reject an informal resolution of a complaint of discriminatory conduct under this process if, in the judgment of the Vice President, the resolution that is proposed is not in the best interests of both the student and the institution. The Vice President shall take such action no later than fifteen (15) calendar days after receiving notice of the informal resolution.

Attempts to informally resolve alleged discrimination should occur within ninety (90) calendar days of the most recent alleged discriminatory act. The college official responsible for this informal resolution process should ensure that the process is concluded promptly. For complaints dealing with alleged discrimination beyond the 90-day timeframe, a student must submit a complaint under the formal resolution procedure of this policy.

If the complaint cannot be informally resolved to the satisfaction of the student, the student has the right to file a complaint and to proceed under formal resolution procedures.

### **Formal Resolution of Discrimination Complaints**

A student who contends that unlawful or MCCCDC-prohibited discrimination has occurred may file a formal complaint by contacting the Vice President of Student Affairs at each respective college or center. If a student alleges discrimination based upon physical or mental disability he or she may submit a formal complaint with the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs or designee. The Vice President of Student Affairs or District Associate Vice Chancellor of Student Affairs or designee will accept.

A complaint may be submitted by the student verbally or in writing. A student may also contact the Office of General Counsel to obtain the name and phone number of the college or center official designated to respond to discrimination complaints.

The complaint must identify the action, decision, conduct, or other basis that the student believes is unlawful or MCCCDC prohibited discrimination.

Upon receipt of a complaint, the Vice President of Student Affairs or the Associate Vice Chancellor will notify the college president or provost and the Office of General Counsel.

A copy of the complaint will be shared with the respondent within five (5) working days of receipt by the Vice President of Student Affairs. Respondent will be put on notice that retaliation against the complainant or potential witnesses will not be tolerated and that an investigation will be conducted. If the student submits a written complaint, the Vice President or the District Associate Vice Chancellor need not share with the respondent the actual form submitted by the student, but may paraphrase the allegations sufficiently to allow the respondent to draft a response.

Respondent must provide a written response to allegations within fifteen (15) calendar days of his or her receipt of the complaint.

After accepting a complaint, the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs will designate a complaint investigator to conduct a fact-finding investigation, which will include, at a minimum, a review of written evidence (including the complaint and response), and interviews with appropriate employees and students. The interviews will include all witnesses identified by all parties. If the complaint alleges discrimination based upon mental or physical disability the investigator designated by the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs must have knowledge of ADA/504 regulations applicable to students with disabilities. 34 C.F.R. §104.4 et.seq.; 28 C.F.R. §35.130 et. seq. The Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs may serve as complaint investigator. The complaint investigator shall promptly complete the investigation and deliver to the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs the investigator's written findings and the results of the investigation, including summaries of all interviews and all documents received as part of the investigation. In no event shall this occur later than ninety (90) calendar days following receipt of the complaint. Within ten (10) working days following receipt of the results of the investigation from the complaint investigator, the Vice President of Student Affairs or the District Vice Chancellor of Student Affairs will submit to the President or Provost the investigator's written findings and the Vice President's recommendations as to the disposition of the complaint.

The president or provost will accept, reject, or modify the recommendations and will provide a written notification of his or her action to the student and respondent along with a copy of the investigator's written findings and the vice president's or District Associate Vice Chancellor's recommendations within fifteen (15) calendar days of receiving the written findings and recommendations from the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs.

When the investigation confirms the allegations, appropriate corrective action will be taken. Evidence which is collateral to the allegations of discrimination and/or sexual harassment and which was obtained during an investigation may be used in subsequent grievance or disciplinary procedures. Both complainant and respondent receive notice of the outcome. The institution will take appropriate steps to prevent further occurrences.

### **Interim Measures**

If a student alleges discrimination based upon physical or mental disability, the District may take interim measures to assist or protect the student during an investigation. Such measures may include academic adjustments, arranging for changes in class schedules, or other appropriate temporary measures.

### **MCCCD Administrative Review Process**

#### **Request for Reconsideration**

A student or respondent who is not satisfied with the decision of the president or provost has ten (10) working days to request, verbally or in writing, administrative review of the decision by his or her college president or provost. The request for administrative review must state reasons why the complainant or respondent believes the finding was improper. The president or provost will review the results of the investigation and written findings and respond to the

request within ten (10) working days from receipt of the request. If the president or provost determines that the decision is not supported by the evidence, the case file will be reopened and assigned for further investigation. If the president or provost determines that the investigation was thorough and complete and that the decision is supported by the evidence, he or she will deny the request for administrative review. At this point, the student has exhausted the Internal Discrimination Complaint Procedure.

### **Complaint Process**

Faculty, staff and all other college officials should refer any student seeking to make a complaint of discrimination to the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs. Every student complaint of discrimination shall be investigated under the authority of the Vice President of Student Affairs or the District Associate Vice Chancellor of Student Affairs in accordance with these Procedures. The Vice President of Student Affairs and any complaint investigator who participates in a complaint resolution pursuant to these Procedures shall administer every resolution process in an impartial manner, and shall fully consider all facts discovered in the course of any investigation before a resolution is reached. Each party in any complaint resolution shall have full opportunity to present all information and documentation the party feels is germane to the complaint. At no time shall a student who has made an allegation of discrimination under these Procedures be asked or required in any way by a college official to engage in any direct confrontation with any person alleged to have committed an act of discrimination. The Vice President shall ensure that every effort is made to obtain information from each witness to every act of alleged discrimination or from any other person possessed of information that is relevant and material to the complaint resolution. The Vice President of Student Affairs shall ensure that all appropriate corrective action that is warranted as a result of any complaint resolution will be taken, and shall employ best efforts to ensure that the college prevents recurrence of discrimination in the future.

### **Maintenance of Documentation**

Documentation resulting from each level in the Formal Resolution Process (including witness statements, investigative notes, etc.) will be forwarded to and maintained by the Office of General Counsel. Investigative records are not to be maintained with or considered as a part of a student record. Documentation regarding corrective action is considered part of the student's record.

### **Right to Assistance**

A student or respondent may receive the assistance of an attorney or other person at any stage of a complaint filed under this Internal Discrimination Complaint Procedure. Such person may attend any investigative interview and advise the complainant or respondent but shall not otherwise participate in the interview. The complaint investigator shall direct communications directly to the complainant and respondent, and not through such individual's attorney or other person providing assistance.

### **Confidentiality of Proceedings**

Every effort will be made by the college and MCCCDC to protect the confidentiality of the parties during the processing of complaints under this procedure. Records will be maintained in a confidential manner to the extent permitted by law and insofar as they do not interfere with MCCCDC's legal obligation to investigate and resolve issues of discrimination.

### **Retaliation Prohibited**

Retaliation against a person who has filed a complaint or against any witness questioned during an investigation is strictly prohibited. Any retaliatory action by instructors, supervisors, managers, academic professionals, administrators, or other employees who have the authority to take adverse action against a complainant or witness is prohibited and may be grounds for disciplinary action.

### **False Statements Prohibited**

Any individual who knowingly provides false information pursuant to filing a discrimination charge or during the investigation of a discrimination charge will be subject to appropriate discipline.

### **External Filing of Discrimination Complaint**

MCCCD encourages students to use the MCCCD Discrimination Complaint Procedure for students to resolve discrimination concerns. Students also have the right to file civil rights complaints with appropriate external agencies. No retaliation will be taken against a person for filing a complaint with an external agency. The following agency accepts discrimination charges filed by, or on behalf of, students:

Office for Civil Rights, Region VIII (OCR)  
Denver Office  
U.S. Department of Education  
Federal Building  
1244 Speer Boulevard, Suite 310  
Denver, Colorado 80204-3582  
Phone: 303-844-5695  
Fax: 303-844-4303  
TDD: 303-844-3417  
E-mail: [OCR\\_Denver@ed.gov](mailto:OCR_Denver@ed.gov)

**AMENDED by Direct Approval from the Chancellor, April 1, 2015**

\*\*\*\*\*END SECTION\*\*\*\*\*

#### **2.4.6 Emissions Control Compliance**

Pursuant to ARS §15-1444 C. no vehicle shall be allowed to park in any college parking lot unless it complies with ARS §49-542 (the annual vehicle emissions inspection program). At the time of course registration, every out-of-county and out-of-state student will be required to sign an affidavit stating that the student's vehicle meets the requirements of ARS §49-542. Vehicles that are not in compliance are subject to being towed at the owner's expense.

#### **2.4.8 Petition Signature Solicitation**

1. This regulation shall govern access to college premises by representatives who wish to solicit signatures on petitions for the purpose of submission of a ballot proposition to voters, or nomination of a candidate for elective office, in a city-, county-, or state-wide election.
2. Each college president shall designate general hours of accessibility for solicitation and a location on college premises where all representatives on behalf of any candidate or ballot proposition may solicit signatures. The location shall be in a common area where the solicitation will not serve as an obstruction to student activities or otherwise disrupt the college environment.
3. All solicitation must take place in designated areas. Standard space may include one or two tables and chairs. Campus restrictions regarding amplification will apply. Representatives may not distribute or make available to students, employees, or college visitors any tangible item, except for informational literature about the proposed candidate or ballot initiative.
4. Representatives shall notify the designated official at each college or center for their intent to be present on college premises no fewer than three working days prior to soliciting signatures. Upon obtaining authorization, representatives shall be provided a written version of this regulation.

Specific procedures on how to implement the Petition Signature regulation can be found in [Appendix S-14](#).

#### **2.4.9 Use of College Grounds by Non-MCCCD-Affiliated Users**

In contrast to traditional public forums such as a public square, park, or right of way, Maricopa's campuses are dedicated by law to the purpose of formal education. They are, and have been since their creation, for the use and benefit of prospective and enrolled students, the Maricopa employees who serve them, and those who are invited to campus by members of the College community to attend or participate in sponsored events. The Maricopa County Community College District (MCCCD) has a long history of regulating the time, place, and manner in which expressive activities are conducted on campuses, for the purposes of avoiding disruption or interference with its educational activities, and protecting the rights of the members of the campus community and their invited guests to express themselves and access information. While members of the general community always have been welcome to share their ideas with the



campus community, they are subject to reasonable, content-neutral regulation of the time, place and manner of the event and to the institution's mission-based priorities – including but not limited to the need to provide an environment conducive to teaching and learning.

## **POLICY**

This administrative regulation governs use of the college grounds, defined as the open areas and walkways of the campus by non-MCCCD-affiliated users. Use of college facilities is governed by a separate administrative regulation. Parking lots are not available for events and activities other than those sponsored and authorized by the College president.

Camping is not permitted anywhere on the campuses. Camping is defined as the use of college grounds or facilities for living accommodations or housing purposes such as overnight sleeping or making preparations for overnight sleeping (including the laying down of bedding for the purpose of sleeping), the making of any fire for cooking, lighting or warmth, or the erection or use of tents, motor vehicles, or other structures for living or shelter. These activities constitute camping when it reasonably appears, in light of all the circumstances, the participants conducting these activities intend to use or are using the facilities or grounds for living accommodations or housing, regardless of the duration or other purpose of the use.

Lawful use of college grounds for events or expressive activities by individuals, groups, and organizations may be authorized by college officials when the events and activities are lawful and consistent with the non-profit, educational nature of the campus, authorized and conducted in accordance with MCCCD policies, administrative regulations and priorities, and compliant with reasonable restrictions as to time, place, and manner. The content of the expression will not be a factor in authorizing, locating, or scheduling decisions. However, events and activities will not be permitted to disrupt or obstruct the teaching, research, or administrative functioning of the College by means of physical obstacles and crowds, by the creation of sound or noise that would interfere with teaching, learning, and the conduct of College business, or by any other means. Each College president will designate a Responsible College Official with delegable authority to approve, locate, and schedule use of college grounds.

**Permit Application:** Any non-MCCCD-affiliated organization, group, or individual desiring to use campus grounds for an event or activity must submit a request form to the Responsible College Official in advance of the use date.

If the activities proposed in the application are limited to low-impact, non-commercial activities the request form shall be submitted at least two business days in advance of the expected use date. For purposes of this administrative regulation, "low-impact, non-commercial activities" are defined as: (1) activities that do not seek to sell or promote a product or service for direct or indirect financial gain; (2) activities that are limited to gatherings of five people or less at any given time; and (3) activities that do not involve machinery, temporary structures, tables, chairs, displays or electronic equipment, including amplifiers, or the distribution of food products.

For events that are not low-impact, non-commercial activities, the request form shall be submitted at least seven business days before the expected use. The additional advance time is required to allow the College to prepare for conditions that may affect the flow of foot traffic, involve signs and displays, create crowds, involve significant numbers of participants, or require the use of significant amounts of space and/or use of equipment and resources.

**Designated Areas:** Because each College has a limited amount of outdoor space, activities and events sponsored by non-MCCCD-affiliated users, including speech and literature distribution, shall be restricted to designated areas. For each College, the Responsible College Official shall establish specific designated areas for such activities. A written description of these areas shall be maintained at the office of Student Life and Leadership for each College. Consistent with the goal of providing a healthy, comfortable, and educationally productive environment, the Responsible College Official should attempt to locate the designated areas in prominent locations on campus where there is a likelihood of significant pedestrian traffic. The designated areas shall not be located in building stairways and entryways, parking lots, or congested areas. The Responsible College Official will make every effort to assign users to their requested space when a specific space is desired. However, in order to ensure the potential success of all scheduled events, the College

reserves the right to assign an event or activity to the area the College deems most appropriate in light of the campus capacity, other activities scheduled, and the type of event or activity being planned.

**Use Fees and Proof of Insurance:** To offset the costs associated with the use of college grounds, non-MCCCD-affiliated users shall be required to pay a fee of \$50 per day or \$125 per week. In order to protect the health and safety of College students, faculty and staff and to protect MCCCD resources, non-MCCCD-affiliated users shall also be required to provide proof of insurance that indicates at least \$1 million in general liability coverage and names the MCCCD as an additional insured for the anticipated use date.

The fee and proof-of-insurance provisions of this Administrative Regulation shall not be applied to low-impact, non-commercial users. A user may request designation as a low-impact, non-commercial user from the applicable College's Responsible College Official. Any questions or comments about the criteria for approval or denial of such request shall be directed to the District Ombudsman.

**Permits:** The approved request form will describe the location of the authorized activity and any other restrictions specific to the event. Violation of the terms of the permit, District policy, administrative regulation or law shall be grounds for immediate revocation of the permit, and the individual violators and their organizations may be banned from the campus.

**Priorities and Criteria for Approval of Permits:** The content or subject of the proposed expressive activity or event will not affect approval of the application. Availability of space is not guaranteed. Reservations shall be approved on a space-available basis and will be addressed on a first come-first served basis, subject to the following priorities and criteria for the use and scheduling of space on campus grounds:

#### Scheduling Priorities (in order)

1. The use of facilities and grounds for the operations of the College. For example, there are times when the college is unusually crowded by members of the campus community, such as registration and orientation at the beginning of the semester. Other uses may reasonably be precluded during those times.
2. Activities and events sponsored by the College administration.
3. Activities and events sponsored by MCCCD student organizations or employee groups.
4. Activities of non-MCCCD-affiliated individuals and organizations.
5. Commercial advertising or activities.

#### Criteria

1. Capacity of college grounds to accommodate the number of participants at the scheduled time and proposed location.
2. Capacity of College Safety staff to provide security for all events and activities scheduled at the time.
3. Possible interference or conflict with College operations or other scheduled activities and events on the grounds.
4. General feasibility of hosting the event as proposed.

**Other Policies:** This administrative regulation will be applied in conjunction and coordination with all other MCCCD policies and administrative regulations and College processes and procedures, including but not limited to regulations on facilities use, signage, sales of alcohol and/or food, and solicitation of donations.

Specific procedures on how to implement the Use of College Grounds regulation can be found in [Appendix S-15](#).

#### 2.4.10 Children on Campus

Children (younger than 18) may not attend any class unless they are officially registered for the class.

Children will not be allowed on campus unless participating in an authorized college program or under the supervision of an adult.

#### 2.4.11 Crime Awareness and Campus Security Act

Federal legislation requires the college to maintain data on the types and number of crimes on college property as well as policies dealing with campus security. To obtain additional information on this subject, contact the college Safety and Security Department.

#### 2.4.15 Campus Sex Crimes Prevention Act

Federal legislation requires that the MCCCCD establish notification procedures concerning the presence of registered sex offenders enrolled either as students or those working for the institution. The Registered Sex Offender Notification Procedure is outlined in Appendix item S-18.

**ADOPTED by Direct Approval from the Chancellor, March 6, 2019**

#### Appendix Item S-18: Maricopa County Community College District Registered Sex Offender Notification Procedure

The Campus Sex Crime Prevention Act (CSCPA), (section 1601 of Public Law 106-386), is a Federal Law enacted on October 28, 2000. In compliance with this law, the Maricopa County Community College District (MCCCCD) will work in collaboration with the Sheriff's Department to identify convicted registered sex offenders enrolled as students at one of MCCCCD's colleges or working at the District office or at any of the MCCCCD colleges (in paid or unpaid positions).

#### GENERAL INFORMATION

- I. In accordance with the CSCPA, the MCCCCD will provide on its Sex Offender Information Website, found [Sex Offender Information and Notification](#) website, a link to the Arizona Sex Offender Registry website and instructions on how to access it.
- II. Arizona Revised Statutes require persons convicted of any of the following 21 different offenses to register as sex offenders: 1) unlawful imprisonment if the victim is under 18 years of age; 2) kidnapping if the victim is under 18 years of age; 3) sexual abuse if the victim is under 18 years of age; 4) sexual conduct with a minor; 5) sexual assault; 6) sexual assault of a spouse; 7) molestation of a child; 8) continuous sexual abuse of a child; 9) taking a child for the purpose of prostitution; 10) child prostitution; 11) commercial sexual exploitation of a minor; 12) sexual exploitation of a minor; 13) luring a minor for sexual exploitation; 14) aggravated luring a minor for sexual exploitation; 15) unlawful age misrepresentation for the purpose of committing a sexual offense 16) sex trafficking of a minor; 17) a second or subsequent violation of indecent exposure to a person under 15 years of age; 18) a second or subsequent violation of public sexual indecency to a minor under the age of 15; 19) a third or subsequent violation of indecent exposure; 20) a third or subsequent violation of public sexual indecency; and 21) violations relating to the failure to register as a sex offender. (See, [A.R.S. §13-3821](#)).
- III. The Arizona Department of Public Safety classifies sex offenders according to levels. The levels consist of Level 1: Low risk to the community, Level 2: Intermediate risk to the community, and Level 3: High risk to the community.
- IV. By law, Registered Sex Offenders (RSO) are required to contact the Maricopa County Sheriff's office or local police agency when they enroll in or are employed at a college—in either paid or unpaid status. ([A.R.S. § 13-3821](#)).
  - a. Level Two and Level Three Offender's Obligation to Notify the College:

#### STUDENTS

- i. **Current Students** who are enrolled and receive their final classification or a change in classification as a Level 2 or Level 3 sex offender during their period of enrollment must notify the Campus Public Safety Officer within five (5) business days of the start of the semester. Campus Public Safety Officers for each college and for the district office can be found at the [MCCCD Police](#) website. The Campus safety officer will schedule a meeting with the Dean of Students (or designee) and the Registered Sex Offender student to take place within ten (10) days of the notification to Public Safety.
  1. Failure to comply with this procedure may lead to discipline under the Student Code of Conduct as well as possible criminal penalty as outlined in Arizona state law.
  
- ii. **Potential Students** who have been designated as a Level 2 or Level 3 sex offender must notify the Campus Public Safety Officer to arrange a meeting when they intend to enroll at a College. Campus Public Safety Officers for each college and for the district office can be found at the [MCCCD Police](#) website. This meeting must take place at least ten (10) calendar days prior to the start of classes. The meeting shall include the RSO, the Dean of Students (or designee), and the Campus Public Safety Officer.)
  1. A person who is classified as a Level Two or Three sex offender has been admitted to MCCCD and who has failed to timely to register pursuant to these procedures may be subject to discipline under the Student Code of Conduct as well as possible criminal penalties as outlined in Arizona state law.

#### EMPLOYEES

- iii. **Current Employees** who receive their final classification or a change in classification as a Level 2 or Level 3 sex offender during their period of employment must immediately notify the Campus Public Safety Officer. The campus public safety officer will arrange meeting with the Human Resources Manager (or designee) at the individual campus and the Registered Sex Offender employee. Campus Public Safety Officers for each college and for the district office can be found at the [MCCCD Police](#) website. The meeting with the college human resources manager and the Campus Public Safety Officer must take place within ten (10) days of the original notification to Public Safety.
  
- iv. **Potential Employees** who have been classified as a Level 2 or Level 3 sex offender must notify the Campus Public Safety Officer to arrange a meeting when they are offered employment at the College. Campus Public Safety Officers for each college and for the district office can be found at the [MCCCD Police](#) website. This meeting must take place at least ten (10) calendar days prior to the start of employment. The meeting shall include the RSO, the college human resources manager and the Campus Public Safety Officer (or their designees).

#### V. COLLEGE OFFICIALS' MEETING WITH LEVEL 2 OR LEVEL 3 SEX OFFENDER

- a. After notification that a student or employee has been classified as a Level Two or Three Sex Offender, MCCCD Public Safety will collect information from the RSO student or employee, probation/parole officer, Sheriff's Office, and/or arresting agency regarding the type of crime, conditions for probation, and/or level of risk.

- b. For Students: MCCCDC Public Safety will notify the Dean of Student Affairs (or designee) when a RSO has enrolled or expressed a desire to enroll at a MCCCDC college. A representative from the Student Affairs office shall participate in the required meeting with the RSO.
  - i. An RSO identification must be placed in the Advocate online system. The identification should include a summary of the offense/court-ordered conditions in place upon release, information from the parole/probation officer, and possible interventions needed at the college/District level.
- c. For Employees: MCCCDC Public Safety will notify District and college Human Resources (or designee) when an RSO has registered due to being offered employment with the MCCCDC or is a current employee who has been classified as a Level Two or Three Sex Offender. A representative from District and the identified college's Human Resources department shall participate in the required meeting with the RSO.
  - i. An RSO identification must be placed in the employee's personnel file. The identification should include a summary of the offense/court-ordered conditions in place upon release, information from the parole/probation officer, and possible interventions needed at the college/District level.
- d. At the meeting referred to above, the student or employee who is classified as a Level Two or Three sex offender will be advised of the following information:
  - i. The College's knowledge of his/her final classification.
  - ii. The College's obligation to provide public access to Level 2 & 3 sex offender information through its Department of Public Safety.
  - iii. Any restrictions that will be imposed on the sex offender—based on any Court restrictions, restraining orders, or orders of protection that may be in place—and the duration of such restrictions.
  - iv. If the offender is classified at Level 3, he/she is further informed of:
    - 1. The College's policy of posting notice at each college campus within two (2) days of receipt of the RSO's information, regardless of when the meeting occurs.
    - 2. The Level 3 RSO will receive a copy of the community notification the College intends to post.
    - 3. The functional areas of the College which will be provided with the public notification that will be posted.
  - v. At any time, the Department of Public Safety can communicate with the offender's parole/probation officer.

VI. FERPA: The CSCPA further amends the Family Educational Rights and Privacy Act of 1974 (FERPA) to clarify that nothing in the Act can prohibit an educational institution from disclosing information provided to the institution concerning the presence of registered sex offenders.

VII. ANNUAL AND OFF-CYCLE REVIEWS: Public Safety and the Student Affairs Dean (or designee) or Human Resources representative, depending on the status of the RSO, shall meet on an annual basis to review the conditions of enrollment, employment, and campus engagement. Additional, off cycle, reviews should be conducted when an RSO student or employee transfers within MCCCDC or new information about criminal conduct has been received. District imposed conditions may be removed, added, or altered based on

changes in enrollment location(s), legal case status, new criminal activity, and/or disciplinary standing. Both Public Safety and Dean of Students or Human Resources professionals, for students and employees, respectively, shall maintain documentation regarding all initial, annual, and off-cycle meetings and reviews.

- VIII. **FAILURE TO NOTIFY CAMPUS ADMINISTRATION:** Failure to notify campus administration, as outlined in this procedure, of one's status as a RSO may lead to discipline up to and including removal from classes and/or suspension from participation in academic or extra-curricular programs, termination from employment as well as possible criminal penalty as outlined in Arizona state law.
- IX. **CAMPUS AND COMMUNITY NOTIFICATION OF RSO STATUS:** Pursuant to Arizona law, the MCCCDC shall make campus notifications of RSO status, as follows:
- a. For level two and level three offenders, the MCCCDC Public Safety Office, in conjunction with the Public Safety office at each college will coordinate with the local law enforcement agency responsible for the individual community notifications to ensure the sex offender notification is provided to the individual campus community.
  - b. The [Sex Offender Information and Notification](#) website will host the notification of RSO's employed by or attending a MCCCDC college, including employment with the District office.
  - c. For Colleges with facilities off-site from the main campuses that receive a registered sex offender community notification flyer from a local law enforcement agency, building managers are advised to post the flyer the building's common area easily accessed by students, staff, and faculty for a at least thirty (30) days. Specific information and instructions related to the community notification will be contained in the flyer and such instructions should be followed.
  - d. Any criminal activity involving a registered sex offender should be reported to police.
- X. **ADMINISTRATIVE OVERSIGHT:**
- a. Students: A campus administrator has the right to, at her or his discretion, require currently enrolled RSOs to attend regular meetings. The meetings will serve as a way to monitor compliance with conditions for enrollment and assist with student success. The frequency, duration, attendees to the meeting, and location of the meetings will vary based upon the needs of the RSO.
  - b. Employees: A supervisor, in conjunction with a Human Resources representative, at her or his discretion, may require currently employed RSOs to attend regular meetings. The meetings will serve as a way to monitor compliance with conditions for employment and assist with student success. The frequency, duration, attendees to the meeting, and location of the meetings will vary based upon the needs of the RSO.

**ADOPTED by Direct Approval from the Chancellor, March 6, 2019**

## **2.4.12 Workplace Violence Prevention**

### **Purpose**

It is the policy of the Maricopa County Community College District to promote a safe environment for its employees, students, contractors, and visitors. MCCCDC is committed to working with its employees to maintain an environment free from violence, threats of violence, harassment, intimidation, and other disruptive behavior.

### **Policy**

Violence, threats, harassment, intimidation, and other disruptive behavior in our facilities is prohibited and will not be tolerated. It is the responsibility of all employees, students, contractors, and visitors of MCCCDC to report any occurrence of such conduct to MCCCDC Public Safety. Every employee, student, contractor, and visitor on MCCCDC property should report threats or acts of physical violence and acts of harassment, intimidation, and other disruptive behavior of which he/she is aware. All reports will be taken seriously and will be investigated by public safety immediately in order to

protect everyone from danger. Such behavior can include oral or written statements, gestures, or expressions that communicate a direct or indirect threat of physical harm.

### **Prohibited Behavior**

For example, and without limiting the generality of the foregoing statement, this policy prohibits:

- direct threats or physical intimidation
- implications or suggestions of violence
- stalking
- assault of any form
- physical restraint, confinement
- dangerous or threatening horseplay
- loud, disruptive, or angry behavior or language that is clearly not part of the typical work environment
- blatant or intentional disregard for the safety or well-being of others
- commission of a violent felony or misdemeanor on MCCCDC property
- abuse
- violation of a protective order or restraining order
- any other act that a reasonable person would perceive as constituting a threat of violence

This list is illustrative only and not exhaustive.

### **Future Violence**

Employees, students, and visitors who have reason to believe they, or others, may be victimized by a violent act or sometime in the future, at the workplace or as a direct result of their relationship with MCCCDC, shall inform a supervisor or manager as soon as possible. The supervisor or manager shall inform the Public Safety Department. Students, contractors, and visitors shall contact the Public Safety Department as soon as possible.

Employees who have signed and filed a restraining order, temporary or permanent, against an individual due to a potential act of violence, who would be in violation of the order by coming near them at work, shall immediately supply a copy to the Department Director, Human Resources, and Public Safety. Students shall supply a copy of the signed order to the Public Safety Department.

This policy applies to employees and students, as well as independent contractors and other non-employees doing business with the MCCCDC. Individuals who commit such acts may be removed from the premises and may be subject to disciplinary action, criminal penalties, or both. The Chancellor is hereby instructed to enact all administrative regulations necessary to implement this policy.

### **2.4.13 Student Right to Know**

Under the terms of the Student Right To Know Act, the college must maintain and report statistics on the number of students receiving athletically related student aid reported by race and sex, the graduation rate for athletes participating in specific sports reported by race and sex, the graduation rate for students in general, reported by race and sex and other similar statistics. To obtain copies of these reports, contact the Office of Admissions and Records.

## **STUDENT RIGHTS AND RESPONSIBILITIES**

### **2.4.5 Copyright Act Compliance**

Students are expected to comply with the provisions of the Copyright Act of 1976 pertaining to photocopying of printed materials, copying of computer software and videotaping. In order to assist students in complying with the Copyright Law, appropriate notices shall be placed on or near all equipment capable of duplicating copyrighted materials.

### **3.2 Copyright Regulation**

1. It is the intent of the Governing Board of the Maricopa County Community College District to adhere to the provisions of the U.S. Copyright Law (Title 17, United States Code Section 101 et seq.). Though there continues to be



controversy regarding interpretation of the Copyright Law, this policy represents a sincere effort by the Board to operate legally within the District.

2. The Governing Board directs the Chancellor or his designee(s) to develop and distribute to employees guidelines that (1) clearly discourage violation of the Copyright Law and (2) inform employees of their rights and responsibilities under the Copyright Law.
3. Each college president or provost and the Chancellor shall name an individual(s) at each district location who will assume the responsibilities of distributing copyright guidelines, act as a resource person regarding copyright matter and provide training programs on current copyright laws.
4. Employees are prohibited from copying materials not specifically allowed by the (1) copyright Law, (2) fair use guidelines, (3) Licenses or contractual agreements, or (4) other permission.
5. The Governing Board disapproves of unauthorized duplication in any form. Employees who willfully disregard this Board policy and/or the aforementioned copyright guidelines do so at their own risk and assume all liability for their actions.
6. In order to assist employees and students in complying with the Copyright Law, appropriate notices shall be placed on or near all equipment capable of duplicating copyrighted materials.

### **What Students Should Know About Copyright**

#### **What is copyright?**

Copyright is a protection afforded under federal law for various types of creative works. A work is copyrightable if it is an original work of authorship fixed in a tangible medium of expression. Copyrightable works include literary, musical or dramatic works; motion pictures and other audiovisual works; choreographic works and pantomimes; sound recordings; and architectural works.

The owner of a copyright in a particular work has the exclusive right to copy, display, perform, distribute, and create a derivative version of the work. Generally, then, this means that you may not do things like duplicate, show or perform a copyrighted work unless it is expressly allowed under the Copyright Act or you have the prior permission of the copyright holder.

A copyright exists in a work at the time it becomes fixed in some tangible medium of expression. Neither registration of the copyright with the federal government nor a copyright notice on the work itself is required for copyright protection.

#### **What is copyright infringement?**

Generally, copyright infringement occurs when you copy, display, perform, distribute or create a derivative version of a copyrightable work either without the permission of the copyright holder or when such activity is not otherwise allowed under an exception provided by federal copyright law. The penalties for infringement include significant damages-potentially in excess of \$100,000 for each work infringed as well as criminal penalties, which may include fines and even incarceration.

#### **How does copyright law affect information I obtain off the Internet?**

Copyright law covers works in both traditional and new media, including digital media. Copyrightable materials are often available on the Internet without any indication of their copyrighted status. As a rule of thumb, you should assume that everything you find on the Internet is copyrighted, unless otherwise labeled. Even popular activities, such as file swapping or copying software or pictures from the Internet, may be copyright infringement and should be avoided.

The Digital Millennium Copyright Act, which Congress enacted in 2000, affords greater protection for copyright holders of digital works. Generally, then, even if a work appears solely in a digital form, it is likely subject to copyright law protections.

New technology has made many creative works widely available through the Internet. For example, the technology known as Peer to Peer (P2P) allows for the transmission of music, videos, movies, software, video games and other materials-most of which is subject to copyright protection.



Remember that a copyright exists in a work at the time it becomes fixed in some tangible medium of expression. That means that an image you have downloaded from the Internet, as well as a video or musical performance is almost certainly subject to copyright protection. When you download these works, transfer them to a disk or other medium, or send them to a friend, you are infringing on the rights of the copyright holder. Trafficking in such material without the permission of the copyright holder, then, violates copyright law. This includes unauthorized music file sharing over the Internet.

According to a statement recently issued by representatives of the motion picture, recording and songwriting industries, uploading and downloading copyrighted works over the Internet is theft: "It is no different from walking into the campus bookstore and in a clandestine manner walking out with a textbook without paying for it."

### **Why is it important for a student to be aware of copyright law?**

Copyright infringement is expressly prohibited by the US Copyright Act. Anyone who infringes another's copyright in a creative work is subject to liability, and could be required to pay large sums in damages.

In addition, as the law clearly prohibits copyright infringement, using any college resources-such as photocopiers, desktop and laptop computers, printers, central computing facilities, local-area or college-wide networks, Internet access, or electronic mail-for the purpose of infringing a copyright in any work may be grounds for student discipline. According to Maricopa Community College District administrative regulation, "students are expected to comply with the provisions of the Copyright Act of 1976 pertaining to photocopying of printed materials, copying of computer software and videotaping."

Moreover, under the Maricopa Community Colleges Computing Resource Standards, a student is prohibited from the "use of software, graphics, photographs, or any other tangible form of expression that would violate or infringe any copyright or similar legally-recognized protection of intellectual property rights." The Standards also prohibit "transmitting, storing, or receiving data, or otherwise using computing resources in a manner that would constitute a violation of state or federal law . . . ."

A student who violates these policies, then, can be disciplined at any of the Maricopa Community Colleges. This discipline could include suspension or even expulsion.

### **Does copyright law allow me to download files from a college web site?**

Thanks to recent changes to copyright law, colleges and universities are allowed to transmit copyrighted images, recordings, and other materials over the Internet in connection with distance learning offerings. These changes allow for the performance of non-dramatic literary works or musical works, as well as the display of "reasonable and limited portions" of any work in an amount comparable to that typically displayed in a live classroom setting. Use of the works must, however, be "an integral part" of the distance-learning class session, and available solely to students enrolled in the class. In addition, the transmission of the copyrighted works must be under the direction or actual supervision of an instructor.

Even though the college does not hold the copyright to these works, or even have the express permission of the copyright holder, they may be delivered over the Internet to students in distance learning classes.

The fact that the law authorizes such use of copyrighted materials, though, does not allow a student in these classes to freely download, copy, or re-transmit the works. They are intended solely for use by the institution in connection with distance instruction; any other use would likely constitute a violation of copyright law.

## **3.4 Recording of Faculty Lectures**

1. MCCCDC acknowledges that faculty members are, by law, afforded copyright protection in their classroom lectures and, therefore, may limit the circumstances under which students may record (audio/visual) their classes.
2. Each faculty member shall inform their students in the course syllabus or other course introductory material of their

policy with regard to recording of class lectures. Failure to do so will accord students the right to record lectures. A lecture is defined as anything upon which a student is tested or that is part of the curriculum or course content whether in person, virtual, or pre-recorded. A restriction on recording does not apply if the recording is allowed under another policy.

- a. Students, regardless of whether they have permission or not from the faculty member to record class lectures, may not reproduce or otherwise share and/or distribute all or part of recorded class lectures and/or activities taking place during class time, without the written consent of the faculty member. (Reproducing includes, but is not limited to, posting any pre-recorded or real time recording of a class lecture—in whole or in part—to any social media platform (TikTok, Twitter, Facebook, Instagram, YouTube, etc.)).
- b. Any violation of AR 3.4 (2)(a) may constitute "academic misconduct" prohibited by AR 2.3.11 Academic Misconduct.

3. Students with disabilities that render them unable to take adequate lecture notes are entitled to reasonable accommodation – subject to engagement in the interactive process and a determination of functional limitation as outlined in AR 2.8 Students with Disabilities – to remedy this inability. Approved accommodation may require a faculty member to modify their recording policy for the affected student.

In accordance with Subpart E of Section 504 of the Rehabilitation Act of 1973, a student with a qualifying disability which adversely affects the student's ability to take or read notes may be permitted to audio record class lectures as a reasonable academic accommodation.

In an effort to address faculty concerns for privacy and protection of copyright while still assuring the availability of recording classroom lectures as a reasonable accommodation for students, use of this accommodation is subject to the following conditions:

- a. The faculty member must have received the Disability Resource Services (DRS) Faculty Notification Letter specifying the recording of classroom lectures as a granted reasonable accommodation.
- b. Such recordings of class lectures are only for the student's personal use in study and preparation related to class.
- c. The student must comply with a faculty request to stop recording during discussions, demonstrations, presentations, guest speakers, and situations of a sensitive nature. The faculty member should provide as much notice of these situations as possible in order for the student to coordinate with the faculty member and DRS to have notes taken on the substantive parts of the lecture.
- d. The student may not share classroom lecture, or any other recordings made during class time with any other person or in any media or on a public or private platform without the written consent of the faculty member.
- e. Information contained in the authorized audio recorded lectures, and any other recordings whether authorized or unauthorized, may be protected under federal copyright laws and may not be published or quoted without the written consent of the faculty and without giving proper identity and credit to speakers, this includes publication via any social media platform, emails, or text messages.
- f. The student may not use the authorized recorded lectures, and any other recordings whether authorized or unauthorized, against the faculty member, other instructors, or students whose classroom comments are recorded as part of the class activity. This provision is subject to the protections under

policy and the law.

g. The student will erase all recorded class lectures when they are no longer needed for academic work. Upon written request from the faculty member, the student will return all class recordings to the faculty member for erasure. Faculty members should provide DRS with a copy of the aforementioned written request. Likewise, students are not permitted to post the lectures on any social media platform, website, or learning management system without the instructor's written consent except for communications to the instructor of record.

h. Students who wish to keep recordings beyond the end of the course for future review must obtain written permission from the faculty member.

i. Audio, or any other recordings outside of the aforementioned lectures (including fieldwork, internships, etc.) may be discussed on a case-by-case basis in collaboration with the faculty member, program of study, site manager, and DRS. In clinical/experiential learning placements, the recording of any discussions, lectures, or conversations are never permitted.

j. Students, regardless of whether they have permission or not from the faculty member to record class lectures or any other part of the classroom/class time experience, may not post all or part of recorded class lectures or any other recordings made during class time to any social media platform (TikTok, Twitter, Facebook, Instagram, YouTube, etc.), or otherwise reproduce, share and/or distribute to any other person or party.

k. Any violation of AR 3.4(3) may constitute "academic misconduct" prohibited under AR 2.3.11 Academic Misconduct.

**AMENDED through the Administrative Regulations approval process, April 20, 2021**

## **4.4 Technology Resource Standards**

### **Introduction**

The Maricopa County Community College District (MCCCD) provides its students, employees, Governing Board members and the public with access to information resources and technologies. MCCCD recognizes that the free exchange of opinions and ideas is essential to academic freedom, and the advancement of educational, research, service, operational, and management purposes, is furthered by making these resources accessible.

Arizona constitutional and statutory mandates require that MCCCD resources, including technology, be used only for the public's business, and not for private purposes. Those mandates apply to all MCCCD public officials—employees of every kind and the Governing Board. The aim of those laws is to safeguard the use of resources, including technology resources, acquired and maintained with public funds. Compliance with other laws—both federal and state—also dictates the need for standards for the use of MCCCD technology resources. In some cases, the Governing Board policies emphasize the importance of compliance with the law such as the requirement to adhere to copyright laws. Governing Board policies also establish MCCCD's own standards, such as the directive that all persons within the MCCCD community be treated in a manner that is humane, fair and dignified.

This administrative regulations established standards for the use of MCCCD technology resources. They should be seen as supplementing, and not in lieu of, Governing Board policy, applicable law and other applicable administrative regulations such as Administrative Regulation 4.3 "Electronic Communications."

### **General Responsibilities**

Technology resources (including, but not limited to, desktop and laptop systems, printers, central computing facilities, MCCCD-wide or college-wide networks, local-area networks, telephones, facsimile machines, scanners, access to the

Internet, electronic mail and similar electronic devices and information) of the MCCCDC are available to MCCCDC Governing Board members, employees, students and, in a limited number of cases, MCCCDC contractors and the public. Use of all those resources is subject to the standards set forth in this regulation (Standards).

The first screen that each MCCCDC computer exhibits on starting up advises users of these Standards and requires an acknowledgment before the user may proceed to the next screen. Additionally, all MCCCDC employees are responsible for annually acknowledging receipt of the Blue Book, which contains this regulation. So all users of MCCCDC technology resources are presumed to have read and understood the Standards. While the Standards govern use of technology resources MCCCDC-wide, an individual community college or center may establish guidelines for technology resource usage that supplement, but do not replace or waive, these Standards.

### **Use of Non-MCCCDC Technology**

Under Arizona's public records law, MCCCDC is required to transact business so that its records are accessible and retrievable. The policy underlying the law is that work done in the name of the public be transparent. Thus, any member of the public may request public records and, except in a few specific instances, are entitled to get copies of them.

Each individual employee or Governing Board member is responsible for ensuring that MCCCDC records that he or she initiates or receives are retained for the period of time required by and disposed of according to mandates established by Arizona State Library, Archives and Public Records—the state agency tasked with setting standards for record retention. Therefore, an employee's or Governing Board member's use of non-MCCCDC technology resources for communication of any type of MCCCDC business is heavily discouraged because those records are less capable of being managed according to MCCCDC's process for ensuring retention, retrieval and disclosure set forth in Administrative Regulation 4.15 "Retrieval, Disclosure and Retention of Records."

Additionally, an MCCCDC employee who receives a communication allegedly from another MCCCDC employee using a non-MCCCDC e-mail address is not required to respond substantively to that e-mail. The employee receiving the e-mail is entitled to verify that the sender is whom he or she says that he or she is. The employee receiving the e-mail may request that the sender provide the information or inquiry set forth in the e-mail via hard-copy form.

### **Acceptable Use**

Use of MCCCDC's technology resources, including websites created by MCCCDC employees and students, is limited to educational, research, service, operational and management purposes of the MCCCDC and its member institutions. Likewise, data, voice, images and links to external sites posted on or transmitted via MCCCDC's technology resources are limited to the same purposes.

Frequently, access to MCCCDC's technology resources can be obtained only through use of a password known exclusively to the MCCCDC employees, Governing Board members or students. It is those users' responsibility to keep a password confidential. While MCCCDC takes reasonable measures to ensure network security, it cannot be held accountable for unauthorized access to its technology resources by other persons, both within and outside the MCCCDC community. Moreover, it cannot guarantee employees, Governing Board members and students protection against reasonable failures. Finally, under certain limited circumstances defined in Administrative Regulation 4.15 "Retrieval, Disclosure and Retention of Records," certain MCCCDC employees are authorized to access information on an MCCCDC technology device.

It is not Maricopa's practice to monitor the content of electronic mail transmissions, files, images, links or other data stored on or transmitted through Maricopa's technology resources. The maintenance, operation and security of Maricopa's technology resources, however, require that network administrators and other authorized personnel have access to those resources and, on occasion, review the content of data and communications stored on or transmitted through those resources. Any other review may be performed exclusively by persons expressly authorized for such purpose and only for cause. To the extent possible in the electronic environment and in a public setting, a user's privacy will be honored. Nevertheless, that privacy is subject to Arizona's public records laws and other applicable state and federal laws, as well as policies of Maricopa's Governing Board all of which may supersede a user's interests in maintaining privacy in information contained in Maricopa's technology resources.

## **Incidental Computer and Technology Usage**

Limited incidental personal use of MCCCDC technology resources including through use of personal e-mail systems is permitted, except as described in item 16 under "Prohibited Conduct." MCCCDC employees are responsible for exercising good judgment about personal use in accordance with this regulation, Colleges' consistent local guidelines and MCCCDC ethical standards. Personal use refers to activities which only affect the individual and that are not related to an employee's outside business. MCCCDC employees are required to conduct themselves in a manner which will not raise concern that they are or might be engaged in acts in violations of the public trust. Refer to the Guidelines for Incidental Computer Usage for the Maricopa Community Colleges ([Appendix AS-8](#)) and Guidelines for Incidental Telephone Usage for the Maricopa Community Colleges ([Appendix AS-9](#)).

## **Prohibited Conduct**

The following is prohibited conduct in the use of MCCCDC's technology resources

1. Posting to the network, downloading or transporting any material that would constitute a violation of MCCCDC contracts.
2. Unauthorized attempts to monitor another user's password protected data or electronic communication, or delete another user's password protected data, electronic communications or software, without that person's permission.
3. Installing or running on any system a program that is intended to or is likely to result in eventual damage to a file or computer system.
4. Performing acts that would unfairly monopolize technology resources to the exclusion of other users, including (but not limited to) unauthorized installation of server system software.
5. Hosting an unauthorized website that violates the .EDU domain request.
6. Use of technology resources for non-MCCCDC commercial purposes, including to advertise personal services, whether or not for financial gain.
7. Use of software, graphics, photographs, or any other tangible form of expression that would violate or infringe any copyright or similar legally-recognized protection of intellectual property rights.
8. Activities that would constitute a violation of any policy of MCCCDC's Governing Board, including, but not limited to, MCCCDC's non-discrimination policy and its policy against sexual harassment.
9. Transmitting, storing, or receiving data, or otherwise using technology resources in a manner that would constitute a violation of state or federal law, or MCCCDC policy or administrative regulation including, but not limited to, obscenity, defamation, threats, harassment, and theft.
10. Attempting to gain unauthorized access to a remote network or remote computer system.
11. Exploiting any technology resources by attempting to prevent or circumvent access, or using unauthorized data protection schemes.
12. Performing any act that would disrupt normal operations of computers, workstations, terminals, peripherals, or networks.
13. Using technology resources in such a way as to wrongfully hide the identity of the user or pose as another person.
14. Allowing any unauthorized access to MCCCDC's technology and non-technology resources.
15. Making personal long distance or other toll calls, except where the charges for the calls are incurred directly by the caller or arrangements are otherwise made at the time of the call to directly bill the caller.
16. Intermittent use of technology resources that interferes with the performance of an employee's main responsibilities.
17. Use of technology resources to market or conduct other activities on behalf of a third-party regarding the "hosting" of an event that is prohibited under MCCCDC's Use of College Facilities administrative regulation.
18. Conducting District or college-related business using any electronic mail account other than one hosted or provided by MCCCDC, and approved by the Vice Chancellor of Information Technology Services, even when the e-mail account copies all outgoing and incoming messages to the MCCCDC hosted account.
19. Deleting or altering a technology public record in violation of public records retention requirements, or in anticipation of receiving or after receipt of a public records request, subpoena or a complaint filed as part of an MCCCDC grievance, investigation or review, or other lawful request for the record.

20. Deleting or altering a technology record on an MCCCCD device in anticipation or after receipt of a public records request, subpoena or a complaint filed as part of an MCCCCD grievance, investigation or review, or other lawful request for the records where the record may demonstrate a misuse of technology resources under this regulation.

### **Review and Approval of Alternate E-Mail Account Systems**

The prior review and approval by the Vice Chancellor of Information Technology is required for the implementation of alternate College electronic mail account systems. Requests will be evaluated based upon the following considerations:

1. The system must be compatible and interoperable with the MCCCCD e-mail system. All information within the e-mail system must meet the standards and authorize District Office access as specified in Administrative Regulation 4.15, "Retrieval, Disclosure and Retention of Records."
2. Any proposed changes to an MCCCCD's entity's e-mail system with e-discovery implications must be approved in advance during the planning stages as specified in Administrative Regulation 4.15, "Retrieval, Disclosure and Retention of Records."

### **Disclaimer**

The home page of an MCCCCD web site must display, or link to, the following disclaimer in a conspicuous manner:

*All information published online by MCCCCD is subject to change without notice. MCCCCD is not responsible for errors or damages of any kind resulting from access to its internet resources or use of the information contained therein. Every effort has been made to ensure the accuracy of information presented as factual; however errors may exist. Users are directed to countercheck facts when considering their use in other applications. MCCCCD is not responsible for the content or functionality of any technology resource not owned by the institution.*

*The statements, comments, or opinions expressed by users through use of Maricopa's technology resources are those of their respective authors, who are solely responsible for them, and do not necessarily represent the views of the Maricopa County Community College District.*

### **Information Accuracy and Marketing Standards**

In order to help ensure that the most accurate information sources are reflected on web pages, information should be cited, sourced or linked from the website of the official District or college custodian responsible for the particular subject. In addition, the design of web pages shall reflect established marketing standards with respect to the imaging and using of MCCCCD marks as outlined in the marketing standards handbook and Use of Marks administrative regulation.

### **Complaints and Violations**

Complaints or allegations of a violation of these standards will be processed through Maricopa's articulated grievance procedures or resolution of controversy.

Upon determination of a violation of these standards, MCCCCD may unilaterally delete any violative content and terminate the user's access to MCCCCD's technology resources. It is the user's responsibility to demonstrate and/or establish the relevance of content in the event that a content complaint is made official. Users retain the right to appeal actions through MCCCCD's grievance procedures or resolution of controversy.

### **2.6 Hazing Prevention Regulation**

The Maricopa County Community College District (MCCCCD) strives to exceed the changing expectations of our many communities for effective, innovative, student-centered, flexible and lifelong educational opportunities. Our employees are committed to respecting diversity, continuous quality improvement and the efficient use of resources. We are a learning organization guided by our shared values of: education, students, employees, excellence, diversity, honesty and integrity, freedom, fairness, responsibility and public trust.

Central to the vitality and dignity of our community of learners is an environment that produces broadly educated responsible citizens, who are prepared to serve and lead in a free society. Academic instruction, co-curricular activities and community involvement come together to meet this goal. All members of the MCCCDCD community, through the best of their abilities, must be provided the opportunity to contribute in a safe, orderly, civil and positive learning environment. One factor that inhibits the achievement of the above stated purpose is the practice of hazing.

1. Hazing by any student, employee or other person affiliated with MCCCDCD is prohibited.
2. "Hazing" is defined as any intentional, knowing or reckless act committed by a student or other person in any MCCCDCD college or affiliated educational setting, whether individually or in concert with other persons, against another student, and in which both of the following apply:
  - A. The act was committed in connection with an initiation into, an affiliation with or the maintenance of membership in any club/organization that is affiliated with MCCCDCD; and
  - B. The act contributes to a substantial risk of potential physical injury, mental harm or personal degradation, or causes physical injury, mental harm or personal degradation.
3. Any solicitation to engage in hazing is prohibited.
4. Aiding and abetting another person who is engaged in hazing is prohibited.
5. Victim consent is not a defense for violation of the Maricopa Community Colleges Hazing Prevention Regulation.
6. All students, faculty and staff must take reasonable measures within the scope of their individual authority to prevent violations of the MCCCDCD Hazing Prevention Regulation.
7. Hazing activities and situations include, but are not limited to, the following:
  - A. Pre-pledging, illegal pledging or underground activities.
  - B. Acts of mental and physical abuse, including, but not limited to: paddling, slapping, kicking, pushing, yelling, biting, duck-walking, line-ups, tuck-ins, belittling, excessive exercise, beating or physical abuse of any kind, and the potentially forced consumption of any food or beverage that contributes to or causes physical injury, mental harm or personal degradation.
  - C. Sleep deprivation (activities that deprive prospective and/or current students and/or members of the opportunity of a minimum of six hours sufficient sleep each day).
  - D. Encouraging or forcing use of alcohol or drugs.
  - E. Any type of student club/organization scavenger hunt, quest, road trip or other activity that would physically or psychologically endanger prospective and/or current students and/or members or others.
  - F. Stroking or physically touching in an indecent or inappropriate manner. See Sexual Harassment Policy 5.1.8
  - G. Student club/organization activities that subject prospective and/or current students and/or members or others to public nuisance or spectacle.
  - H. Aiding or abetting theft, fraud, embezzlement of funds, destruction of public, personal or private property, or academic misconduct.
  - I. Being required to wear odd or look-alike apparel that contributes to or causes physical injury, mental harm or personal degradation.
  - J. Personal services that contribute to or cause physical injury, mental harm or personal degradation.
8. Alleged violations of this regulation by students or student organizations can be reported to the vice president of student affairs' office for investigation by any member of the college community. The vice president of student affairs' office will investigate the complaint in accordance with the student disciplinary code, all other college and MCCCDCD policies, and local and state laws.

Alleged violations of the MCCCDCD hazing prevention regulation or interference with an investigation under this regulation by students or student organizations are subject to sanctions under the student disciplinary code.

The student disciplinary code shall govern all proceedings involving such a complaint. Decisions arrived at as outcomes of the proceedings shall be final, pending the normal appeal process.

9. Alleged violations of the MCCCDCD hazing prevention regulation by any faculty or staff member can be reported to the vice president of student affairs' office for investigation by any member of the college community. The vice president of student affairs' office will investigate the complaint in accordance with college and MCCCDCD policies, and local and state laws.



Any MCCCDC faculty or staff member who knowingly permitted, authorized or condoned the alleged hazing activity is subject to disciplinary action in accordance with college and MCCCDC policies, and local and state laws.

10. If the vice president of student affairs' office receives a report or complaint of an alleged hazing activity involving physical injury, threats of physical injury, intimidation, harassment or property damage, or any other conduct that appears to violate Arizona state law, the college will report such conduct to the appropriate college safety office. The said college safety office will investigate, respond to and report on the alleged hazing activity in accordance with all college, district, local, state and federal guidelines, policies and laws.
11. Should the proceedings outlined above substantiate an occurrence of hazing activity-where students or student organizations knowingly permitted, authorized or condoned the hazing activity-the college can recommend the following sanctions against student clubs/organizations:
  - A. CENSURE: Censure can include the required completion of a program designed with the intent of eliminating the hazing activity. The programs will be devised with the cooperation of all involved parties and monitored by the vice president of student affairs' office.
  - B. PROBATION: The student club(s)/organization(s) will be placed on probation for a specified period of time. Conditions of probation will be determined by the vice president of student affairs' office and outlined in writing to the student club(s)/organization(s). The probationary term will be monitored by the vice president of student affairs.
  - C. SUSPENSION: The student club(s)/organization(s) will be suspended. The terms of the suspension can be defined in the sanction, including criteria the student club(s)/organization(s) must meet within a specified time to be considered for admission or renewal of college recognition status.
  - D. REVOCATION: The student club(s)/organization(s) will have its status revoked, with the loss of all college associations, recognitions and privileges. The national or international office of an organization, if so affiliated, will be requested to revoke the charter of an organization.
12. The MCCCDC hazing prevention regulation is not intended to prohibit or sanction the following conduct:
  - A. Customary athletic events, contests or competitions that are sponsored by the college or MCCCDC.
  - B. Any activity or conduct that furthers the goals of a legitimate educational curriculum, a legitimate co-curricular experience or a legitimate military training program.
13. For the purposes of the MCCCDC hazing prevention regulation:

"Organization" is defined as an athletic team, association, order, society, corps, cooperative, club or other similar group that is affiliated with MCCCDC, whose membership consists primarily of students enrolled at MCCCDC and that may also be classroom-related or co-curricular in nature.

#### **2.4.7 Abuse-Free Environment**

See also the Auxiliary Services section for Tobacco-Free Environment and the Appendices/Student Section Medical Marijuana Act of the Administrative Regulations.

##### **1. Substance Abuse/Misuse Statement**

Drug abuse and misuse has become a national issue and is receiving national attention, particularly in the academic community. The insidious effects of the abuse of these agents are also felt by all walks of life and economic levels. Therefore, as an education providing institution, we are responsible to provide knowledge and guidelines about prevention, control, and treatment of the abuse/misuse of alcohol, illegal and legal drug uses and misuses. Annual Acknowledgements for students and employees are provided through the online messaging accounts.

Students who experiment with drugs, alcohol, and illegal substances or use them recreationally may develop a pattern of use that leads to abuse and addiction. Maricopa Community Colleges recognized drug and alcohol abuse as an illness and a major health problem as well as a potential safety and security issue.

Part of the educational mission of the Maricopa Community Colleges is to educate students about positive self-development, the benefits of a healthy lifestyle and the health risks associated with substance abuse. This mission closely aligns with the Drug-Free School and Communities Act of 1989, and other relevant substance abuse laws.



## 2. Student Program to Prevent Illicit Use of Drugs and Abuse of Alcohol

The Maricopa Community College District fully supports disciplinary action for misconduct and the enforcement of state laws governing the use of alcohol and the use, abuse, possession or distribution of controlled substances or illegal drugs.

### A. Introduction and Purpose

The Federal Drug-Free Schools and Communities Act of 1989 (Public Law 101-226) requires federal contractors and grantees to certify that they will provide a drug-free school. As a recipient of federal grants, the District must adopt a program toward accomplishing this goal. While federal legislation has been the impetus for creation of the program, the administration and Governing Board recognize that substance abuse is a problem of national proportions that also affect students at the Maricopa Community Colleges.

The Maricopa Community Colleges are committed to maintaining learning environments that enhance the full benefits of a student's educational experience. The Maricopa County Community College District will make every effort to provide students with optimal conditions for learning that are free of the problems associated with the unauthorized use and abuse of alcohol and drugs.

### B. Standards of Conduct

In the student handbooks of the Maricopa Community Colleges under codes of conduct, the following are examples of behavior that is prohibited by law and/or college rules and policies:

- i. Drinking or possession of alcoholic beverages on the college campus.
- ii. Misuse of narcotics or drugs.

### C. Sanctions for Violation of Standards of Conduct

Disciplinary actions include, but are not limited to:

- i. Warning,
- ii. Loss of privileges,
- iii. Suspension, or
- iv. Expulsion.

### D. Legal Sanctions

Local, state, and federal law prohibit the unlawful possession, use or distribution of illicit drugs and alcohol. Conviction for violating these laws can lead to imprisonment, fines, probation, and/or assigned community service. Persons convicted of a drug-and/or alcohol related offense will be ineligible to receive federally funded or subsidized grants, loans, scholarships, or employment.

Any employee is subject to disciplinary action, up to and including employment termination, for any of the following: reporting to work under the influence of alcohol and/or illegal drugs or narcotics; the use, sale, dispensing, or possession of alcohol and/or illegal drugs or narcotics on MCCCCD premises, while conducting MCCCCD business, or at any time which would interfere with the effective conduct of the employee's work for the MCCCCD; and use of illegal drugs.

## 3. MCCCCD Program Standards

The Maricopa Community College District is committed to establishing a preventative substance abuse program at each college designed to affect positively the problems of irresponsible use of alcohol and the use and abuse of illegal substances. A main focus of the program will be on education of the campus community and assistance to individuals.

- A. Identify a key individual, at each college, to provide emergency services and/or to contact and work with outside agencies that provide drug and alcohol counseling, treatment or rehabilitation programs that may be available to students and employees.
- B. Support disciplinary action for misconduct and the enforcement of state laws governing the use of alcohol and the use, abuse, possession or distribution of controlled substances or illegal drugs.
- C. Establish a preventative substance abuse program at each college designed to affect positively the problems of irresponsible use of alcohol and the use and abuse of illegal substances.

#### 4. Alcoholic Beverages—Usage Regulation (AR 4.13)

This Administrative Regulation prohibits the use of District funds to purchase alcoholic beverages or services related to them except in small amounts to be used in cooking for the District's culinary programs. Additionally, it generally prohibits the presence of alcoholic beverages on premises owned by the District, or those leased or rented by the institution. It permits a few, narrow exceptions to that latter prohibition. The exceptions are not available to the general population of District employees or officials. More importantly, they are established to ensure that the District's actions stay within the boundaries of state law and the District's insurance coverage. Therefore, strict compliance with this regulation is essential.

- A. **No Funds.** No funds under the jurisdiction of the governing board of the District may be used to purchase alcoholic beverages, except for the limited purposes of purchasing small amounts of them for use solely as ingredients in food preparation for classes and at the District's culinary institutes. Alcoholic beverages may not be stored on premises owned, leased, or rented by MCCCDC except as provided in Paragraph H.
- B. **No Service or Sale of Alcoholic Beverages.** The law of the state of Arizona strictly regulates the service, sale, distribution and consumption of alcoholic beverages. In light of that law, the District does not permit alcoholic beverages to be served, sold or distributed on or in the premises owned by the District or leased or rented by the Maricopa Community Colleges for District-approved educational, fund-raising or other community purposes, except as provided in Paragraphs C and G.
- C. **Service at District Events on District-owned Property.** The Chancellor has the sole authority to approve the service, but not the sale or other distribution, of wine or beer at District events on district-owned property that the Chancellor either sponsors or approves. The only District employees authorized to request the Chancellor's approval are the College Presidents and the Vice Chancellors. Additionally, the law strictly limits the service of wine or beer by the District on District-owned property, and those restrictions are specified in Paragraph E. Unless approved by the Chancellor in compliance with the law and this regulation, alcoholic beverages may not be served on District-owned property.
- D. **Event Form Required.** A College President or Vice Chancellor who wishes to obtain the Chancellor's approval for the service of wine or beer at a District-sponsored event on District-owned property shall forward a completed written request to the Chancellor no later than 30 days before the event. The request form is available at: [AS-6 Notice of Intent to Serve Beer and Wine Form](#). On signing the form, the Chancellor will provide a copy of it to the requestor and to the MCCCDC Risk Manager. For events that the Chancellor sponsors, he or she will complete the form, sign it and provide it to the MCCCDC Risk Manager no later than 10 business days before the event.
- E. **Service restrictions required by law.** An event approved under Paragraph D must, by law, comply with the all of the following restrictions:
  - i. The only alcoholic beverages that may be served and consumed are wine and beer. Wine consumption is limited to 6 oz. per person, and beer consumption is limited to 24 oz;
  - ii. The gathering must be by invitation only, and not open to the public;
  - iii. The gathering may not exceed 300;
  - iv. Invitees may not be charged any fee for either the event or the beer or wine; and
  - v. The consumption may only take place between noon and 10:00 p.m.

Additionally, beer and wine may only be served by a beverage service contractor whose liquor license with the state of Arizona is in good standing, except as provided in Paragraph F. The contractor must provide all of the beverages served and well as the servers or bartender. Before the event, the contractor must provide a certificate of insurance that meets the requirements of the District's Risk Manager and that adds the District as an additional insured. The contractor must also agree in writing to indemnify the District regarding the service of the beverages.

- F. **Culinary Institutes.** The Chancellor may sponsor or approve an event at one of the District's culinary institutes. Students may serve wine and beer at the event as part of their class requirements, subject to the limitations of Paragraph E. Any student serving those beverages must, by law, be 19 years or older.
- G. **Third-Party Event.** The Maricopa County Community College District Foundation and the Friends of Public Radio Arizona may, with the approval of the Chancellor, sponsor an event on District-owned property under this regulation. The City of Phoenix and the Friends of the Phoenix Public Library may also do so, with the approval of

the Chancellor, at the joint library on the campus of South Mountain Community College. These third-party, non-district entities are solely responsible for determining the steps that they are required to take to comply with Arizona's alcoholic beverages laws. Additionally, they must comply with the following steps:

- i. The entity obtains a liquor license, if required by law, from the Arizona Department of Liquor Licenses and control for each event and fully complies with the laws, rules and other requirements applicable to that license;
  - ii. The entity completes the form available at [AS-7 Request to Serve Beer and Wine — Third Party Form](#) . And provides it to the Chancellor for approval along with a copy of the liquor license no later than 30 days before the event, unless the Chancellor approves a shorter period of time in a particular case;
  - iii. The entity provides or currently has on file with the District a certificate of insurance demonstrating that it has liquor liability coverage and that adds the District as an additional insured;
  - iv. The entity agrees in writing to indemnify the District from any claims of any kind arising out of the event;
  - v. Beer and wine are the only alcoholic beverages served and only served through a beverage service contractor whose liquor license with the state of Arizona is in good standing;
  - vi. The contractor provides all of the beverages served and well as the servers or bartenders;
  - vii. Before the event, the contractor provides a certificate of insurance that meets the requirements of the District's Risk Manager and that adds the District as an additional insured; and
  - viii. The contractor agrees in writing to indemnify the District regarding the service of the beverages.
- H. **Receipt of beverages; storage.** It is not permissible to store wine or beer on premises owned, leased or rented by MCCCCD, except as provided in this paragraph. Alcoholic beverages purchased for use in cooking in District culinary courses must be stored in such a way that it is inaccessible to anyone except the Director or designee of the culinary program. For wine and beer to be used for receptions at the district's culinary institutes, as authorized by this administrative regulation, the following storage requirements apply:
- i. Wine and beer to be served may only be brought to MCCCCD property no sooner than four hours prior to the event, and remain there no longer than four hours after the event; and
  - ii. Once the wine and beer arrives on MCCCCD property, the Director the culinary program shall assign an MCCCCD employee to ensure that it is not stolen or that it is not opened until ready to be served.
- I. **Compliance with law.** In compliance with applicable law, any persons planning an event under this administrative regulation are required to familiarize themselves with the pertinent laws and other requirements established by the state of Arizona for the service of alcoholic beverages, particularly those in Arizona Revised Statutes Title 4 (Alcoholic Beverages) Chapters 1 (General Provisions), 2 (Regulations and Prohibitions) and 3 (Civil Liability of Licensees and Other Persons) as well as Arizona Administrative Code Title 19, Articles 1 (State Liquor Board) and 3 (Unlicensed Premises Definitions and Licensing Time-Frames).
- J. **Residential Housing.** Lawful occupants of residential housing under the jurisdiction of the Governing Board, if over the age of 21 years and not otherwise lawfully barred from such practice, may possess and consume alcoholic beverages in the privacy of their respective leased housing facility. Guests of such occupants over the age of 21 years shall have the same privilege. No alcohol is permitted in public areas (nor common areas of a dormitory) at any time.
- K. **Personal Responsibility.** The personal or individual purchase of alcoholic beverages by individuals attending District-approved functions held in places serving alcoholic beverages is a personal and individual responsibility. Administrative discretion shall be exercised in the approval of the location of such activities, as such decision pertains to the nature of the group involved.
- L. **Miscellaneous Usage Issues.** Any issues that are not specifically addressed within this regulation require the review and determination by the Chancellor or Executive Vice Chancellor and Provost on matters related to culinary programs, academic or student affairs.

## 5. Other Health Concerns

### General Guidelines Concerning AIDS

Neither a diagnosis of AIDS nor a positive HIV antibody test will be part of the initial admission decision for those applying to attend any of the Maricopa Community Colleges. The Maricopa Community Colleges will not require screening of students for antibody to HIV.

Students with AIDS or a positive HIV antibody test will not be restricted from access to student unions, theaters, cafeterias, snack bars, gymnasiums, swimming pools, recreational facilities, restrooms, or other common areas, as there is not current medical justification for doing so.

Where academically and logistically feasible, students who have medical conditions, including AIDS, may seek accommodation in order to remain enrolled. Medical documentation will be needed to support requests for accommodation through the Office of Disabled Resources and Services or the Office of Vice President of Student Affairs.

The Maricopa Community Colleges acknowledge the importance of privacy considerations with regard to persons with AIDS. The number of people who are aware of the existence and/or identity of students who have AIDS or a positive HIV antibody test should be kept to a minimum. When a student confides in an faculty member, knowledge of the condition should be transmitted to the appropriate vice president or designee who will make the determination if the information should be further disseminated. It should be remembered that mere exposure to the person in a classroom does not constitute a need to know the diagnosis. It is, therefore, unnecessary to document in a student's file the fact that he or she has AIDS unless the information is to be used for accommodation reasons. Sharing confidential information without consent may create legal liability.

Students are encouraged to contact the Office of Disabled Resources and Services and/or the vice president of student affairs or designee for the types of services available in the district or community on matters regarding AIDS or the HIV virus.

#### **4.12 Smoke-Free/Tobacco-Free Environment**

The Maricopa County Community College District is dedicated to providing a healthy, comfortable, and educationally productive environment for students, employees, and visitors. In order to promote a healthy learning and work environment, the Chancellor has directed that the Maricopa County Community College District serve as a total smoke free and tobacco free environment, effective July 1, 2012. Smoking (including the use of "e-cigs") and all uses of tobacco shall be prohibited from all District owned and leased property and facilities, including but not limited to parking lots, rooftops, courtyards, plazas, entrance and exit ways, vehicles, sidewalks, common areas, grounds, athletic facilities, and libraries.

Support signage prohibiting the use of smoking instruments and tobacco shall be placed throughout all college and District locations.

Continued violations by an employee or student shall be handled through the respective conduct procedures established for employees and students.

#### **Appendix S-16: Statement on the Arizona Medical Marijuana Act (Proposition 203)**

In 2010, Arizona voters approved the Arizona Medical Marijuana Act (Propositions 203), a state law permitting individuals to possess and use limited quantities of marijuana for medical purposes. Because of its obligations under federal law, however, the Maricopa Community Colleges will continue to prohibit marijuana possession and use on campus for any purpose.

Under the Drug Free Workplace Act of 1988, and the Drug Free Schools and Communities Act of 1989, "...no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any federal program, including participation in any federally funded or guaranteed student loan program, unless it has adopted and has implemented a program to prevent the use of illicit drugs and abuse of alcohol by students and employees." Another federal law, the Controlled Substances Act, prohibits the possession, use, production, and distribution of marijuana for any and all uses, including medicinal use. This law is not affected by the passage of the Arizona Medical Marijuana Act. Because Maricopa Community Colleges could lose its eligibility for federal funds if it fails to prohibit marijuana, it is exempt from the requirements of the Arizona Medical Marijuana Act. Therefore, Maricopa Community Colleges will

continue to enforce its current policies prohibiting the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance on its property or as part of any of its activities.

Employees and students who violate Maricopa Community Colleges policy prohibiting the use or possession of illegal drugs on campus will continue to be subject to disciplinary action, up to and including expulsion from school and termination of employment.

## **2.8 Students with Disabilities**

### **2.8.1 Eligibility for Accommodations & Required Disability Documentation**

This policy is intended to specify the disability documentation required that will qualify Maricopa County Community College District (MCCCD) students for reasonable and appropriate academic adjustments through each college's Disability Resources And Services (DRS) office.

Only accommodations granted by the respective college drs office and communicated to faculty through a Faculty Notification Letter (FNL) will be recognized by the District as approved accommodations for students with disabilities.

Faculty are not required to provide reasonable accommodations/academic adjustments to students with disabilities unless the student has registered with drs and engages in the interactive process.

#### **I. General Eligibility Requirements**

1. To receive services from the DRS, a student must be admitted and enrolled as an MCCCD student.
2. The student must provide the DRS office with documentation of a qualifying disability that verifies the nature and extent of the disability prior to receiving any accommodation or academic adjustment.
  - a. If a student does not have documentation, they are still required to follow the application and intake process, which includes meeting with a drs representative and participating in the interactive process.
  - b. Provisional accommodations may be granted to a student by DRS to assist students while they collect appropriate documentation to support their eligibility for accommodations/academic adjustments. such provisional accommodations must not exceed thirty (30) days, unless such extensions are granted due to extenuating circumstances. In these cases, an additional thirty (30) days of provisional accommodations may be granted. any extension beyond the additional thirty (30) days must be reviewed by the District ADA/504 Coordinator. Such extension must be based on extenuating circumstances beyond the control of the requesting student, and is not guaranteed.

#### **II. Who Is Eligible For Services**

1. To be eligible for DRS support services, a student must have a disability as defined by federal law (Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the Americans with Disabilities Act Amendments Act of 2008 (ADAAA).
2. An individual with a disability is a person who has a physical or mental impairment which substantially limits one or more major life activities. These persons are protected by Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Individuals with a record of such an impairment and individuals who are regarded as having such an impairment are also protected by these federal laws.
3. The definition of "disability" in Section 504 and the ada should be interpreted to allow for broad coverage.

#### **III. Definitions**

1. **Academic Adjustment** means: a modification of a non-essential academic requirement, an examination, or an institutional rule that is necessary to provide access to the academic and educational environment. Academic adjustments may include changes in the length of time permitted for completion of degree requirements, substitution of specific courses required for the completion of degree requirements, and adaptation of the manner in which specific courses are conducted. Academic adjustments may not substantially or materially alter the course modality, curriculum, competencies or degree requirements.
2. **Accommodation** means: An alteration of environment, curriculum format, or equipment that allows a student with a disability to gain access to content and/or complete assigned tasks. Accommodations allow students with disabilities to pursue a regular course of study. Since accommodations do not alter what is being taught, instructors should be able to implement the same grading scale for students with disabilities as they do for students without disabilities.

Examples of accommodations include, but are not limited to, sign language interpreters for students who are hearing impaired, computer text-to-speech, computer-based systems for students with visual impairments or dyslexia; extended time for students with fine motor limitations, visual impairments, or learning disabilities, and large-print books and worksheets for students with visual impairments.

3. **Current Documentation** means: documentation of a diagnosed physical or mental impairment that is dated within 5-7 years. Adult norms must be used for all testing provided as documentation.
4. **Major Life Activities** include, but are not limited to: functions such as caring for one's self, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating and working. Major life activities also include major bodily functions such as functions of the immune system, normal cell growth, and digestive, bowel, bladder, neurological, brain, respiratory, circulatory, endocrine, and reproductive function.
5. **Mental Impairment** means: any mental or psychological disorder, including but not limited to, intellectual disabilities (intellectual developmental disorder), organic brain syndrome, emotional or mental illness, specific learning disabilities, post-traumatic stress disorder, depression and bipolar disorder. The phrase substantially limits must be interpreted without regard to the ameliorative effects of mitigating measures, other than ordinary eyeglasses or contact lenses. Mitigating measures are things like medications, prosthetic devices, assistive devices, or learned behavioral or adaptive neurological modifications that an individual may use to eliminate or reduce the effects of an impairment. These measures cannot be considered when determining whether a person has a substantially limiting impairment. An impairment that is episodic or in remission is a disability if, when in an active phase, it would substantially limit a major life activity. For example, a student with bipolar disorder would be covered if, during manic or depressive episodes, the student is substantially limited in a major life activity (e.g., thinking, concentrating, neurological function, or brain function).
6. **Physical Impairment** means: a physiological disorder or condition, a cosmetic disfigurement, or an anatomical loss, that affects one or more of the following body systems: neurological; musculoskeletal; special sense organs (which would include speech organs that are not respiratory such as vocal cords, soft palate, tongue, etc.); respiratory, including speech organs; cardiovascular; reproductive; digestive; genitourinary; hemic and lymphatic; skin; and endocrine. Examples include, but are not limited to, orthopedic, visual, speech, and hearing impairments, cerebral palsy, epilepsy, muscular dystrophy, multiple sclerosis, cancer, heart disease, diabetes, HIV (symptomatic or asymptomatic), tuberculosis, drug addiction, and alcoholism.

#### IV. Procedures

1. General Procedures

- a. The DRS office alone is responsible for evaluating documentation and determining eligibility and reasonable academic adjustments/accommodations.
  - b. Any instructor, academic staff member, or support staff (i.e., admissions of financial aid employees) who receives a request from a student for accommodations/academic adjustments due to a disability must refer the student to the college's DRS office.
  - c. All requests for academic adjustments/accommodations shall be considered on an individual, case-by-case basis and all reasonable and appropriate requests for academic adjustments/accommodations from eligible students shall be considered by DRS. DRS may exercise its right to require additional documentation in support of a request for academic adjustment/accommodation.
  - d. Academic adjustments/accommodations are determined by the DRS office through an interactive exchange (the interactive process) with the eligible student. The interactive exchange may continue during the course of the year and may involve faculty members' input regarding the terms and conditions of the course or program of study. Accommodations/ academic adjustments in the classroom environment shall require participation of course faculty.
  - e. MCCCDC is not required to provide "best" or "most desired" accommodations, but rather a reasonable accommodation sufficient to provide the eligible student equal access to the educational environment/activities.
2. Material Alteration of class or certification requirement
    - a. If a faculty member believes the DRS approved academic adjustment/ accommodation would alter an essential academic course competencies, curriculum, or a licensing requirement, the instructor shall meet with the DRS office as part of the interactive process. Since the faculty member will have been part of the discussion regarding requested accommodations/academic adjustments involving a course or course curriculum, issues of material alteration should have already been addressed . In the event such was not addressed, a conversation with DRS should take place within five (5) days of the faculty member's receipt of the faculty notification letter outlining the approved academic adjustment/accommodation. The parties will attempt to resolve the concern.
    - b. If the faculty member's concerns are not resolved after the meeting with the DRS Manager, the faculty member and the DRS Manager will meet with the Chief Academic Officer, or designee, and the District ADA/504 Coordinator to resolve the concern. This meeting should take place within three (3) days of the meeting between the DRS Manager and the faculty member. The Chief Academic Officer's decision is final.
    - c. Any change in the DRS office's initial recommendation resulting from the meeting with the Chief Academic Officer will be communicated to the student by the DRS office and the interactive process will continue in an effort to provide reasonable and appropriate academic adjustments/accommodations.

## **V. Rights And Responsibilities**

1. Students served by Disability Resources and Services have the right:
  - a. To an equal opportunity to access course information and materials
  - b. To an equal opportunity to participate in and benefit from the college community

- c. To choose whether or not to disclose the nature of their disability to their professor(s). The information the student provides to DRS is protected by FERPA.
- d. To file a grievance if the student believes they have been discriminated against.

**2. Students served by Disability Resources and Services responsibilities:**

- a. Self-identify to DRS as having a disability and provide accurate, recent, and timely documentation.
- b. Check MCCC CD email and/or DRS connect portal for updates and announcements.
- c. Request accommodations each semester in a timely manner and understand that a late request does not constitute retroactive adjustments.
- d. Notify DRS if classes are dropped or added.
- e. Ensure that instructors have received the Faculty Notification Letter once it has been issued through drs connect.
- f. Communicate directly with DRS regarding exam accommodations, such as taking exams in the testing center, and stay in communication about the time and place for such exams.
- g. Contact DRS in a timely manner if having any difficulty securing or arranging accommodations.
- h. Promptly return any borrowed or assigned equipment (as an accommodation) to DRS when it is no longer needed.
- i. If approved for note taking or audio recording services, understand that these services are for personal use only and may not be shared. In addition, the student must understand that you must be present in class to receive these services.
- j. Understand that requesting accommodations does not mean that the student's request will be approved.
- k. Meet the same standards—academic, technical, performance, and behavioral—expected of all Maricopa County Community College students.
- l. Accommodations may be granted on a provisional basis (30 days). This may be based on the need for additional documentation. In these cases, the student will need to update their documentation to receive accommodations beyond the 30 days. The student must understand that approval will be based on a review of the new documentation and there is no guarantee that the provisional (or any) accommodations will be approved.
- m. Understand that faculty are not required to provide any accommodation that fundamentally alters the nature of their course or lowers the academic standards.

**VI. Grievance Procedure**

1. If a student is not satisfied with either the academic adjustments/ accommodations granted by the DRS office or the denial of academic adjustments/accommodations, the student may file a complaint under the [Discrimination Complaint Procedures for Students](#).



2. The determination generated from the Discrimination Complaint Procedure is final.

## **VII. General Disability Documentation Guidelines**

### Physical Disabilities

Maricopa County Community College District, Disability Resources and Services will accept current diagnoses of physical disabilities that are based on appropriate diagnostic evaluations administered by trained and qualified (i.e., certified and/or licensed) professionals (e.g., medical doctors, ophthalmologists, psychologists, neuropsychologists, audiologists).

### Learning Disabilities

Maricopa County Community College District, Disability Resources and Services will accept diagnoses of specific learning disabilities that are based on comprehensive, age-appropriate, psychoeducational evaluations that demonstrate current functional limitations of the disability.

The assessment must be administered by a trained and qualified (i.e., certified and/or licensed) professional (e.g., psychologist, school psychologist, neuropsychologist, educational diagnostician) who has had direct experience with adolescents and adults with learning disabilities, including all battery scores in addition to evaluative notes.

### Attention Deficit Hyperactivity Disorder (ADHD)/Attention Deficit Disorder (ADD)

Maricopa County Community College District, Disability Resources and Services will accept current diagnoses of ADHD that are based on age-appropriate, diagnostic evaluations, administered by trained and qualified (i.e., certified or licensed) professionals (e.g., psychiatrists, psychologists, or neuropsychologists). Submitted documentation must demonstrate current functional limitations of the disability.

### Psychiatric Disabilities

Maricopa County Community College District, Disability Resources and Services will accept current diagnoses of psychiatric disabilities that are based on comprehensive and appropriate diagnostic evaluations completed by trained and qualified (i.e., licensed or certified) professionals (e.g., psychologists, psychiatrists, neuropsychologists, school psychologists).

Submitted documentation must demonstrate current functional limitations of the disability.

## **VIII. Additional Documentation Guidelines and Resources**

The Maricopa County Community College District, Disability Resources and Services can provide a “disability verification form” that can be completed by a trained and qualified professional, or the professional may choose to submit a letter. The letter must be on letterhead, with date and signature (including license number, if applicable), and must include the following:

1. a diagnostic statement identifying the disability (including the date of the diagnosis)
2. current severity/impact of the disability (mild/moderate/severe)
3. an assessment of major life activities that are impacted by the disability (e.g., learning, concentration, class attendance, social interactions, reading, walking, etc.) and
4. specific recommendations for accommodations. The DRS office alone is responsible for evaluating documentation and determining eligibility and reasonable academic adjustments/accommodations.

### **2.8.2 Eligibility of Students Taking Reduced Course Loads**

Although any student may register for fewer than twelve credit hours, a student with a disability may request a reduced academic load as a reasonable and appropriate accommodation. A college Disability Resource Services (DRS) professional may certify that a student who is afforded a reduced academic load as an accommodation for a disability shall nevertheless be deemed a full-time student. Such certification shall be solely to enable the student to seek eligibility for health insurance benefits and to seek eligibility to comply with mandates of the National Junior College Athletic Association. The college DRS professional will certify that a student may be deemed a full-time student as provided under this regulation only on a semester-by-semester basis.

The appropriate college offices will receive documentation of the DRS professional's certification from the professional or the student. An incoming student may apply for such certification upon acceptance to the college. Requests for certification must be made prior to the beginning of each semester. Every attempt will be made to accommodate these requests.

The following criteria also apply:

1. Students taking a reduced course load must register for at least 6 credit hours (based on DRS approval) during the regular fall and spring semesters. It is recommended that students register for at least three (3) credit hours during the summer to offset the impact of academic eligibility.
2. Students taking a reduced course load must maintain satisfactory academic progress standards as defined by the College catalog.
3. The reduced credit load may result in an adjusted financial aid package. There may be additional ramifications including, but not limited to, extra time to complete college, insurance coverage, Vocational Rehabilitation funding, etc.
4. Eligibility for Federal Stafford Loans may be reduced according to the total number of credit hours taken in the full academic year. A student, taking a reduced course load, must be at least half time in a semester (6 credits) in order to receive a Stafford Loan.
5. The amount of Federal Financial Aid (Title IV) awarded is based on the actual number of credit hours taken.
6. Requirements for continuation of funding through Vocational Rehabilitation may differ. The student must contact his/her VR counselor to determine how a reduced course load will impact their funding.
7. The National Junior College Athletic Association (NJCAA) has published standards in regard to the designation of Certified Disabled Student-Athlete in Article V Section J of the NJCAA bylaws. This procedure addresses the NJCAA criteria for reduced course loads.

#### **Application Process**

1. Applications for reduced course loads must be submitted to the Disability & Services professional with supporting documentation. Requests must be made prior to the beginning of each semester.
2. Supporting documentation must include a diagnostic evaluation from an appropriate professional. The documentation must meet the guidelines set forth by the Maricopa Community College District's Documentation Policy in order to evaluate the current impact of the disability in regards to the request. Students are required to complete an application form for this status every semester, but do not need to re-submit their documentation.

Continuation of this status is not automatic. Each case will be re-evaluated at the end of the semester to determine if this accommodation is still appropriate.

3. Students requesting a reduced course load should consult with their academic advisor regarding the consequences of this status for making progress toward graduation requirements and eligibility for various academic distinctions and designations.
4. Students registered in occupational and/or academic programs that have specific block formats will not be considered for reduced course loads.
5. Students who are approved for a reduced course load will be required to sign the Reduced Course Load Approval Form (see [Appendix S-10](#)), which includes a statement acknowledging that he or she has reviewed the consequences that go with reduced load status and accepts them.
6. When a reduced course load status is granted by the Disability Resources & Services professional, a copy of the Reduced Course Load Approval Form will be sent to the appropriate individuals.

### 2.3.11 Academic Misconduct

#### 1. Definitions

- A. Academic Misconduct - includes any conduct associated with the classroom, laboratory, or clinical learning process that is inconsistent with the published course competencies/objectives and/or academic standards for the course, program, department, or institution. Examples of academic misconduct include, but are not limited to: (a) cheating and plagiarism (including any assistance or collusion in such activities, or requests or offers to do so); (b) excessive absences; (c) use of abusive or profane language; and (d) disruptive behavior.
- B. Cheating is any form of dishonesty in an academic exercise. It includes, but is not limited to, (a) use of any unauthorized assistance in taking quizzes, tests, examinations, or any other form of assessment whether or not the items are graded; (b) dependence upon the aid of sources beyond those authorized by the faculty member in writing papers, preparing reports, solving problems, or carrying out other assignments; (c) the acquisition, without permission, of tests or other academic material belonging to or administered by the college or a member of the college faculty or staff; and (d) fabrication of data, facts, or information.
- C. Plagiarism is a form of cheating in which a student falsely represents another person's work as his or her own – it includes, but is not limited to: (a) the use of paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment; (b) unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; and (c) information gathered from the internet and not properly identified.

#### 2. Academic Consequences

Any student found by a faculty member to have committed academic misconduct may be subject to the following academic consequences, based on the faculty member's judgment of the student's academic performance

Warning - A notice in writing to the student that the student has violated the academic standards as defined in 1.A.

Grade Adjustment - Lowering of a grade on a test, assignment, or course.

Discretionary assignments - Additional academic assignments determined by the faculty member.

Course Failure - Failure of a student from a course where academic misconduct occurs.

#### 3. Disciplinary Sanctions

If the misconduct is sufficiently serious to warrant course failure, and if either (a) the failure results in a student being removed from an instructional program or (b) the student refuses to accept responsibility for the misconduct and its academic consequences, the faculty member will, in addition to awarding the course grade, consult the department chair and the vice president of academic affairs as to whether institutional sanctions set forth below should be sought under AR 2.5. Regardless whether the student has accepted responsibility for academic consequences, in all cases of academic misconduct the faculty member may make recommendations

for sanctions and may file a written complaint of misconduct. The vice president of academic affairs will serve as the student conduct administrator in all academic misconduct cases, and will follow the procedure established in AR 2.5.2 to evaluate whether disciplinary sanctions are warranted. College probation, suspension, or expulsion will be imposed only by the vice president of academic affairs or designee, and only after the student has received the procedural rights provided in AR 2.5.2.

Disciplinary Probation - Disciplinary probation is for a designated period of time and includes the probability of more severe sanctions if the student commits additional acts of academic misconduct.

College Suspension - Separation of the student from the college for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified. (A suspension from one Maricopa Community College will apply to all other colleges/centers in the District.)

College Expulsion - Permanent separation of the student from the college. (Expulsion from one Maricopa Community College will apply to all colleges/centers in the District.)

#### **4. Appeal of Sanctions for Academic Misconduct**

Students can appeal academic consequences by following the instructional grievance procedure (AR 2.3.5; [Appendix S-6](#)). Students may appeal disciplinary sanctions as provided in AR 2.5.2. If the student appeals through both processes, the instructional grievance process will be suspended until a final decision is reached in the student discipline procedure. In all cases in which financial aid has been adversely affected by academic consequences or disciplinary sanctions that are the subject of ongoing hearing or appeal proceedings, the student may appeal the financial aid determination on the grounds that a final decision has not been made. In such an event, a final decision on financial aid will not be made until after the final decision on consequences and/or sanctions.

**Amended through Direct Approval from the Chancellor and Executive Vice Chancellor & Provost on August 7, 2013**

## **DISCIPLINARY STANDARDS**

### **2.5.1 Disciplinary Standards**

#### **1. Disciplinary Probation and Suspension**

According to the laws of the State of Arizona, jurisdiction and control over the Maricopa County Community College District (MCCCD) are vested in the MCCCD Governing Board. The MCCCD Governing Board and its agents-the Chancellor, administration, and employees are granted broad legal authority to regulate student life subject to basic standards of reasonableness.

In developing responsible student conduct, the MCCCD prefers mediation, guidance, admonition and example. However, when these means fail to resolve problems of student conduct and responsibility, appropriate disciplinary procedures will be followed. The MCCCD reserves the right to levy discipline rather than attempt mediation and guidance, based on the severity of the conduct.

Misconduct for which students are subject to disciplinary action falls into the general areas of:

- A. Cheating on an examination, assessment tests, laboratory work, written work (plagiarism), falsifying, forging or altering college records
- B. Actions or verbal statements which threaten the personal safety of any faculty, staff, students, or others lawfully assembled on the campus, or any conduct which is harmful, obstructive, disruptive to, or interferes with the educational process or institutional functions
- C. Violation of Arizona statutes, and/or college regulations and policies
- D. Use of college computer resources such as the Internet in violation of [Technology Resource Standards](#) (AR 4.4) which may result in notification of law enforcement authorities

#### **2. Disciplinary Removal from Class**

A faculty member may remove a student from class meetings for disciplinary reasons. If an instructor removes a student for more than one (1) class meeting, the faculty member shall notify the department/division chair and the appropriate vice president, or designee, in writing of the problem, action taken by the faculty member, and the faculty member's recommendation moving forward. If a resolution to the problem is not reached between the faculty member and the student, the student may be removed permanently pursuant to due process procedures.

**AMENDED by Direct Approval from the Chancellor, August 11, 2020**

### 2.5.2 Student Conduct Code

The purpose of this Code is to help ensure a healthy, comfortable and educationally productive environment for students, employees and visitors.

#### Article I: Definitions

The following are definitions of terms or phrases contained within this Code:

1. "**Appellate boards**" means any person or persons authorized by the college president to consider an appeal from a Student Conduct Board's determination that a student has violated MCCCDC's Student Conduct Code or from the sanctions imposed by the Student Conduct Administrator. The college president, or designee, may act as the appellate board.
2. "**College**" means a Maricopa County Community College or Center/ Site.
3. "**College premises**" means all land, buildings, facilities and other property in the possession of or owned, used or substantially controlled by the college or MCCCDC.
4. "**College official**" means any person employed by the college or MCCCDC, performing assigned administrative or professional responsibilities pursuant to this Student Conduct Code. The college president shall designate the college or center official to be responsible for the administration of the Student Conduct Code.
5. "**Complainant**" means any person who submits a charge alleging that a student violated this Student Conduct Code. When a student believes that they have been a victim of another student's misconduct, the student who believes they have been a victim will have the same rights under this Student Conduct Code as are provided to the complainant, even if another member of the college community submitted the charge itself.
6. "**Day**" means calendar business day when college is in session, and shall exclude weekends and holidays.
7. "**Disruptive behavior**" means conduct that materially and substantially interferes with or obstructs the teaching or learning process in the context of a classroom or educational setting/facility.
8. "**District**" means the Maricopa County Community College District (MCCCDC).
9. "**Faculty member**" means any person hired by the college or District to conduct classroom or teaching activities or who is otherwise considered by the college to be a member of faculty.
10. "**May**" is used in the permissive sense.
11. "**Member of the college community**" means any person who is a student, faculty member, college official or any other person employed by the college or Center. A person's status in a particular situation shall be determined by the College President.
12. "**Organization**" means any number of persons who have complied with the formal requirements for college recognition.
13. "**Policy**" is defined as the written regulations of the college and/or District as found in, but not limited to, this Student Conduct Code and Governing Board policy.
14. "**Respondent**" (accused) means any student accused of violating MCCCDC's Student Conduct Code.
15. "**Shall**" is used in the imperative sense.
16. "**Student**" means any individual who is registered or enrolled for credit or non-credit bearing coursework, full or part-time, camps, and other District-sponsored programs or activities, and who maintains an ongoing relationship with the MCCCDC, which means the student is on an approved leave (medical, administrative, or other documented leave of absence), but is not registered or taking classes at the time of the complaint being filed.
17. "**Student Conduct Administrator**" means a college official authorized on a case-by-case basis by the college official responsible for administration of the Student Conduct Code to impose sanctions upon students found to have violated this Student Conduct Code. A Student Conduct Administrator may serve simultaneously as a Student Conduct Administrator and the sole member or one of the members of a Student Conduct Board. The college official

responsible for administration of the Student Conduct Code may authorize the same Student Conduct Administrator to impose sanctions in all cases.

18. **"Student Conduct Board"** means any person or persons authorized by the college president to determine whether a student has violated this Student Conduct Code and to recommend sanctions that may be imposed when a violation has been committed. A Student Conduct Board may constitute one person, if designated as such.
19. **"Threatening behavior"** means any written or oral statement, communication, conduct or gesture directed toward any member of the college community, which causes a reasonable apprehension of physical harm to self, others or property. It does not matter whether the person communicating the threat has the ability to carry it out, or whether the threat is made on a present, conditional or future basis.

## **Article II: Judicial Authority**

1. The college official responsible for administration of the Student Conduct Code shall determine the composition of the Student Conduct Board and determine which Student Conduct Administrator, Student Conduct Board, and appellate board shall be authorized to hear each case. A Student Conduct Board may constitute one person, if designated as such.
2. The college official responsible for administration of the Student Conduct Code shall develop procedures for the administration of the judicial program and rules for the conduct of hearings that are consistent with provisions of this Student Conduct Code.
3. Decisions made by a Student Conduct Board and/or Student Conduct Administrator shall be final, pending the normal appeal process.
4. Matters pertaining to sexual harassment/misconduct that do not meet the definition of sexual harassment as outlined in Administrative Regulation 5.1.16 or otherwise do not meet the definition of an educational program or activity and do not occur against a person within the United States will be referred by the Title IX Coordinator to the College's respective Student Conduct Administrator for investigation and adjudication under the Student Conduct Code.

## **Article III: Prohibited Conduct**

### **1. Jurisdiction of the College**

The Student Conduct Code shall apply to conduct that occurs on any college or District premises, or at any college- or District-sponsored activities that adversely affects the college community and/or the pursuit of its objectives. Jurisdiction under this policy applies to students who are registered or enrolled for credit or non-credit bearing coursework, full or part-time, camps, and other District-sponsored programs or activities, and those who maintain an ongoing relationship with the MCCCCD, which means the student is on an approved leave (medical, administrative, or other documented leave of absence), but is not registered or taking classes at the time of the complaint being filed. The Student Conduct Code shall apply to a student's conduct even if the student withdraws from school while a disciplinary matter is pending.

### **2. Title IX Sexual Harassment.**

Matters pertaining to sexual harassment/misconduct that do not meet the definition of sexual harassment as outlined in Administrative Regulation 5.1.16 or otherwise do not meet the definition of an educational program or activity and do not occur against a person within the United States will be referred by the Title IX Coordinator to the College's respective Student Conduct Administrator for investigation and adjudication under the Student Conduct Code.

### **3. Temporary Removal of Student**

Disruptive behavior includes conduct that distracts or intimidates others in a manner that interferes with instructional activities, fails to adhere to a faculty member's appropriate classroom rules or instructions, or interferes with the normal operations of the college. Students who engage in disruptive behavior or threatening behavior may be directed by the faculty member to leave the classroom or by the college official responsible for administration of the Student Conduct Code to leave the college premises. If the student refuses to leave after being requested to do so, college police may be summoned to provide assistance. For involuntary removal from more than one class period, the faculty member should invoke the procedures outlined in 2.5.1(2) above.

### **4. Conduct - Rules and Regulations**

Any student found to have committed the following misconduct is subject to the disciplinary sanctions outlined in Article IV:

- A. Acts of dishonesty, including but not limited to the following:
  - i. Knowingly furnishing false information to any college official or officer, including during an official investigation (i.e., Title IX, conduct, or campus police investigation).
  - ii. Forgery, alteration or misuse of any college document, record or instrument of identification, even if there is no reliance on the forged or altered document in the posting of grades or other academic/financial benefit.
  - iii. Tampering with the election of any college-recognized student organization.
- B. Obstruction of teaching, research, administration, disciplinary proceedings or other college activities, including its public service functions on campus, in clinical settings or other authorized non-college activities, when the conduct occurs on college premises a faculty member may remove a student from a class meeting for disciplinary reasons. If a faculty member removes a student for more than one class period, the faculty member shall follow the procedures as outlined in 2.5.1(2) above.
- C. Physical abuse, verbal abuse, threats, intimidation, harassment, coercion, conduct which threatens or endangers the health or safety of any person, and/or disruptive behavior.
- D. Attempted or actual theft of and/or damage to property of the college or property of a member of the college community or other personal or public property.
- E. Failure to comply with direction of college officials or law enforcement officers in the performance of their duties and/or failure to properly identify oneself to these persons when requested to do so.
- F. Unauthorized possession, duplication or use of keys to any college premises, or unauthorized entry to or use of college premises.
- G. Violation of any college or District policy, rule or regulation published in hard copy or online, such as a college catalog, handbook, etc. or available electronically on the college's or District's website.
- H. Violation of federal, state or local law.
- I. Use, possession, manufacturing or distribution of illegal or other controlled substances except as expressly permitted by law.
- J. Illegal use, possession, manufacturing or distribution of alcoholic beverages or public intoxication.
- K. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals on college premises, or use of any such item, even if legally possessed, in a manner that harms, threatens, or causes fear to others, or property damage.
- L. Participation in a demonstration, riot or activity that disrupts the normal operations of the college and infringes on the rights of other members of the college community; leading or inciting others to disrupt scheduled and/or normal activities within any college building or area.
- M. Obstruction of the free flow of pedestrian or vehicular traffic on college premises or at college-sponsored or supervised functions.
- N. Conduct that is disorderly, lewd or indecent; breach of the peace; or aiding, abetting or procuring another person to breach the peace on college premises or at functions sponsored by or participated in by the college or members of the academic community. Disorderly conduct includes but is not limited to: any unauthorized use of electronic or other devices or to make an audio or video record of any person while on college or District premises without their prior knowledge, or without their effective consent or when such a recording is likely to cause injury or distress. This includes, but is not limited to, secretly taking pictures of another person in a gym, locker room, or restroom.
- O. Attempted or actual theft or other abuse of technology facilities or resources, including but not limited to:
  - i. Unauthorized entry into a file, to use, read or change the contents or for any other purpose
  - ii. Unauthorized transfer of a file
  - iii. Unauthorized use of another individual's identification and/or password
  - iv. Use of technology facilities or resources to interfere with the work of another student, faculty member or college official
  - v. Use of technology facilities or resources to send obscene or abusive messages
  - vi. Use of technology facilities or resources to interfere with normal operation of the college technology system or network
  - vii. Use of technology facilities or resources in violation of copyright laws

- viii. Any violation of the District's technology resource standards
- ix. Use of technology facilities or resources to illegally download files
- P. Abuse of the Student Conduct system, including but not limited to:
  - i. Falsification, distortion or misrepresentation of information before a Student Conduct Board.
  - ii. Disruption or interference with the orderly conduct of a Student Conduct Board proceeding.
  - iii. Invoking a Student Conduct Code proceeding with malicious intent or under false pretenses
  - iv. Attempting to discourage an individual's proper participation in, or use of, the Student Conduct system
  - v. Attempting to influence the impartiality of the member of a judicial body prior to, and/or during the course of, the Student Conduct Board proceeding
  - vi. Harassment, either verbal or physical, and/or intimidation of a member of a Student Conduct Board prior to, during and/or after a Student Conduct Board proceeding
  - vii. Failure to comply with the sanctions imposed under this Student Conduct Code
  - viii. Influence or attempting to influence another person to commit an abuse of the Student Conduct Code system
  - ix. Failure to obey the notice from a Student Conduct Board or college official to appear for a meeting or hearing as part of the Student Conduct system.
- Q. Engaging in irresponsible social media conduct. All student conduct policies apply to social networking platforms.
- R. Attempt to bribe a college or District employee.
- S. Stalking behavior, which occurs if a student intentionally or knowingly maintains visual or physical proximity toward another person on two or more occasions over a period of time and such conduct would cause a reasonable person to fear for their safety.
- T. Sexual misconduct, including but not limited to:
  - i. The use or display in the classroom, including electronic, of pornographic or sexually harassing materials such as posters, photos, cartoons or graffiti without pedagogical justification.
  - ii. Explicit sexual comments by one or more students about another student, or circulating drawings or other images depicting a student in a sexual manner.
  - iii. Unwelcome sexual advances, repeated propositions or requests for a sexual relationship to an individual who has previously indicated that such conduct is unwelcome, or sexual gestures, noises, remarks, jokes, questions, or comments by a student about another student's sexuality or sexual experience.
  - iv. Harassment based on sex, pregnancy, gender identity, gender expression, or sexual orientation that creates a hostile environment. A hostile environment exists when the conduct is sufficiently severe, persistent, or pervasive that it unreasonably interferes with, limits, or deprives an individual from participating in or benefitting from the District's education programs and/or activities. The existence of a hostile environment is to be judged both objectively (meaning a reasonable person would find the environment hostile) and subjectively (meaning the impacted individual felt the environment was hostile).
  - v. Sexual Exploitation
    - a. Taking non-consensual or abusive sexual advantage of another for anyone's advantage or benefit other than the person being exploited. Examples of behavior that could rise to the level of Sexual Exploitation include:
      1. Recruiting, harboring, transporting, providing, or obtaining another person for the purpose of sexual exploitation;
      2. Non-consensual visual (e.g., video, photograph) or audio-recording of sexual activity;
      3. Non-consensual distribution of photos, other images, or information of an individual's sexual activity, intimate body parts, or nakedness, with the intent to or having the effect of embarrassing an individual who is the subject of such images or information;
      4. Going beyond the bounds of consent (such as letting your friends hide in the closet to watch you having consensual sex);
      5. Engaging in non-consensual voyeurism;
      6. Knowingly transmitting an STI (sexually transmitted infection), such as HIV, to another without disclosing one's STI status;
      7. Exposing one's genitals in non-consensual circumstances, or inducing another to expose their genitals;



8. Possessing, distributing, viewing or forcing others to view obscenity.

## **5. Violation of Law and College Discipline**

- A. Disciplinary proceedings may be instituted against a student charged with conduct that potentially violates both the criminal law and this Student Conduct Code (that is, if both possible violations result from the same factual situation) without regard to pending of civil or criminal litigation. If a criminal investigation and/or prosecution results from the same factual situation, proceedings under this Student Conduct Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off campus at the discretion of the college official responsible for administration of the Student Conduct Code. Determinations made or sanctions imposed under this Student Conduct Code shall not be subject to change because criminal charges arising out of the same facts giving rise to violation of college rules were dismissed, reduced, or resolved in favor of or against the criminal law defendant.
- B. When a student is charged by federal, state or local authorities with a violation of law, the college will not request or agree to special consideration for that individual because of their status as a student. If the alleged offense is also being processed under this Student Conduct Code, however, the college may advise off campus authorities of the existence of this Student Conduct Code and of how such matters will be handled internally within the college community. The college will cooperate fully with the law enforcement and other agencies in the enforcement of criminal law on campus and in the conditions imposed by criminal courts for the rehabilitation of student violators. Individual students and faculty members, acting within their personal capacities, remain free to interact with governmental representatives, as they deem appropriate.

## **Article IV: Student Conduct Code Procedures**

### **1. Charges and Student Conduct Board Hearings**

- A. Any member of the college community may file charges against a student for violations of this Student Conduct Code. A charge shall be prepared in writing and directed to the Student Conduct Administrator. Any charge should be submitted as soon as possible after the event takes place, preferably within thirty (30) days following the incident.
- B. Both the Complainant and the Respondent (the accused) shall have the right to be assisted by an Advisor of their choosing. A party who elects to be assisted by an Advisor must notify the Student Conduct Administrator of the name and contact information of the Advisor not less than two (2) days before the scheduled hearing. The Advisor must be a member of the college community and may not be an attorney. Both the Complainant and the Respondent (accused) are responsible for presenting their own information. Therefore, Advisors are not permitted to speak or participate directly in any Student Conduct Board hearing before a Student Conduct Board.
- C. Misconduct that would fall under the jurisdiction of 5.1.16, meaning it alleges sexual harassment, discrimination, sexual assault, dating/domestic violence, or stalking should be forwarded to the Title IX Coordinator for a jurisdictional review. In such cases where the conduct alleged does not meet the definition of sexual harassment, as outlined in the Title IX Regulations (and MCCCCD policy 5.1.16) or is otherwise subject to mandatory or discretionary dismissal, the alleged conduct will be referred back to the Student Conduct Code for investigation and adjudication.
- D. The Student Conduct Administrator shall conduct a prompt, thorough, and impartial investigation to determine if the charges have merit. After the investigation, but prior to the convening of a Student Conduct Board Hearing, the Student Conduct Administrator will determine whether the parties mutually agree to dispose of the matter in a way that is acceptable to the Student Conduct Administrator. If there is mutual consent to resolve the matter, such disposition shall be final and there shall be no appeal afforded either party. If the charges cannot be disposed of by mutual consent, the Student Conduct Administrator will convene the Student Conduct Board. If the student admits violating institutional rules, but sanctions are not agreed to, the hearing shall be limited to determining the appropriate sanction(s).
- E. All charges shall be presented to the accused student in written form. The Student Conduct Administrator will provide written notice of the time, date, and location of the student conduct hearing. The notice will describe the evidence of alleged misconduct, the code provisions violated, and the possible sanctions. The student conduct hearing notice, plus a copy of this code, shall be provided to the student accused of misconduct no less than five (5) workdays before the hearing date. The hearing will be held no more than fifteen (15) workdays after

the student has been notified unless the Student Conduct Administrator extends the deadline for good cause in their sole discretion.

- F. Hearings shall be conducted by a Student Conduct Board according to the following guidelines, except as provided by Article IV 1.I below:
- i. Student Conduct Board hearings normally shall be conducted in private.
  - ii. The Complainant, Respondent (accused), and their Advisors, if any, shall be allowed to attend the entire portion of the Student Conduct Board hearing at which information is received (excluding deliberations). Admission of any person (beyond the Parties and their Advisors) to the hearing shall be at the discretion of the Student Conduct Board and/or its Student Conduct Administrator.
  - iii. In Student Conduct Board hearings involving more than one accused student, the Student Conduct Administrator, in their discretion, may permit the Student Conduct Board hearing concerning each student to be conducted either separately or jointly.
  - iv. The Complainant, Respondent (accused), and the Student Conduct Board may arrange for witnesses to present pertinent information to the Student Conduct Board. The Student Conduct Administrator will try to arrange the attendance of possible witnesses who are members of the college community, if reasonably possible, and who are identified by the Complainant and/or the Respondent (accused) at least two (2) days prior to the Student Conduct Board hearing. Witnesses will provide information to and answer questions from the Student Conduct Board. Questions may be suggested by the Respondent (accused) and/or Complainant to be answered by each other or by other witnesses. This will be conducted by the Student Conduct Board with such questions directed to the Chair, rather than to the witness directly. This method is used to preserve the educational tone of the hearing and to avoid creation of an adversarial environment. Questions of whether potential information will be received shall be resolved at the discretion of the Chair of the Student Conduct Board.
  - v. The Student Conduct Administrator will present the information they received.
  - vi. Pertinent records, exhibits, and written statements may be accepted as information for consideration by a Student Conduct Board at the discretion of the Chair.
  - vii. All procedural questions are subject to the final decision of the Chair of the Student Conduct Board.
  - viii. After the portion of the Student Conduct Board hearing concludes in which all pertinent information has been received, the Student Conduct Board shall determine (by majority vote if the Student Conduct Board consists of more than one person) whether the accused student violated the section of this Student Conduct Code which the student is charged with violating.
  - ix. The Student Conduct Board's determination shall be made on the basis of whether it is more likely than not that the accused student violated this Student Conduct Code (preponderance of the evidence).
- G. There shall be a single verbatim record, such as a tape recording, of all Student Conduct Board hearings before a Student Conduct Board (not including deliberations). The record shall be the property of the District.
- H. No student may be found to have violated this Student Conduct Code simply because the student failed to appear before a Student Conduct Board. In all cases, the evidence and support of the charges shall be presented and considered.
- I. The Student Conduct Board may accommodate concerns for the personal safety, well-being, and/or fears of confrontation of the Complainant, Respondent (accused), and/or other witness during the hearing by providing separate facilities, by using a visual screen, and/or by permitting participation by telephone, videophone, closed circuit television, video conferencing, videotape, audio tape, written statement, or other means, where and as determined in the sole judgment of the college official responsible for administration of the Student Conduct Code.

## **2. Sanctions**

- A. The following sanctions may be imposed upon any student found to have violated the Student Conduct Code:
- i. Warning - a written notice to the student that the student is violating or has violated institutional rules or regulations.
  - ii. Probation - a written reprimand for violation of specified rules or regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to violate any institutional rules or regulation(s) during the probationary period.
  - iii. Loss of Privileges - denial of specified privileges for a designated period of time.

- iv. Restitution - compensation for loss, damage or injury. This may take the form of appropriate service and/or monetary or material replacement.
  - v. Discretionary Sanctions - work assignments, essays, service to the college, or other related discretionary assignments. (Such assignments must have the prior approval of the Student Conduct Administrator.)
  - vi. College Suspension - separation of the student from all the colleges in the District for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified. Suspension from one college means a suspension from all colleges in the District.
  - vii. College Expulsion - permanent separation of the student from all the colleges in the District.
- B. More than one of the sanctions listed above may be imposed for any single violation.
- C. Disciplinary sanctions are part of a student's educational record. Cases involving the imposition of sanctions other than suspension or expulsion shall be expunged from the student's confidential record seven (7) years after final disposition of the case. In situations involving both a Respondent student(s) (or group or organization) and a student(s) Complainant, the records of the process and of the sanctions imposed, if any, shall be considered to be the education records of both the Respondent (accused(s)) and the Complainant(s).
- D. The following sanctions may be imposed upon groups or organizations:
- i. Those sanctions listed above in Article IV 2. A. 1 through 4.
  - ii. Loss of selected rights and privileges for a specified period of time.
  - iii. Deactivation - loss of all privileges, including college recognition for a designated period of time.
- E. In each case in which a Student Conduct Board determines that a student and/or group or organization has violated the Student Conduct Code, the sanction(s) shall be determined and imposed by the Student Conduct Administrator. In cases in which persons other than, or in addition to, the Student Conduct Administrator have been authorized to serve as the Student Conduct Board, the recommendation of the Student Conduct Board shall be considered by the Student Conduct Administrator in determining and imposing sanctions. The Student Conduct Administrator is not limited to sanctions recommended by members of the Student Conduct Board. Following the Student Conduct Board hearing, the Student Conduct Board and the Student Conduct Administrator shall advise the accused student, group and/or organization (and a complaining student who believes they were the victim of another student's conduct) in writing of its determination and of the sanction(s) imposed, if any.

### **3. Emergency Suspension**

If a student's actions pose an immediate threat or danger to any member of the college community or the educational processes, a college official responsible for administering the Student Conduct Code may immediately suspend or alter the rights of a student pending the outcome of the investigation and the Student Conduct Board hearing. Scheduling the hearing shall not preclude resolution of the matter through mediation or any other dispute resolution process as long as such resolution occurs before the Student Conduct Board hearing commences. The decision will be based on whether the continued presence of the student on the college campus reasonably poses a threat to the physical or emotional condition and well-being of any individual, including the student, or for reasons relating to the safety and welfare of any college property, or any college function. When an emergency suspension is imposed, the Student Conduct Administrator will seek to resolve the complaint at the earliest possible date. This suspension is not a sanction, but an effort to protect people and property and prevent disruption of college operations.

In imposing an emergency suspension, the college official responsible for administration of the Student Conduct Code may direct that the student immediately leave the college premises and may further direct the student not to return until contacted by that official. An accused student shall be in violation of this policy regardless of whether the person who is the object of the threat observes or receives it, as long as a reasonable person would interpret the communication, conduct or gesture as a serious expression of intent to harm.

### **4. Administrative Hold**

The Student Conduct Administrator may place a temporary administrative hold preventing an accused student's registration, transcript release, or graduation if it is necessary to secure the student's cooperation in the investigation or compliance with a direction. This hold is not a sanction but a necessary step to resolve the complaint promptly.

### **5. Academic Consequences**

Violations of the student conduct code can have academic consequences if the violation also constitutes failure to meet standards of performance or professionalism set by the instructor or the program, or if it constitutes cheating, plagiarism, falsification of data, or other forms of academic dishonesty. The instructor may award a failing grade for the assignment or the course in such cases, and the program faculty may decide that the student is ineligible to continue in the program. Academic consequences are determined by the faculty and academic administration, and are not dependent on the decisions of the Student Conduct Board, the Appeals Board, or the Student Conduct Administrator.

## **6. Appeals Regarding Student Code of Conduct**

- A. A decision reached by the Student Conduct Board judicial body or a sanction imposed by the Student Conduct Administrator may be appealed by accused students or complainants to an Appellate Board within five (5) days of receipt of the decision. Such appeals shall be in writing and shall be delivered to the Student Conduct Administrator.
- B. Except as required to explain on the basis of new information, an appeal shall be limited to the review of the verbatim record of the Student Conduct Board hearing and supporting documents for one or more of the following purposes:
  - i. To determine whether the Student Conduct Board hearing was conducted fairly in light of the charges and information presented, and in conformity with prescribed procedures giving the complainant a reasonable opportunity to prepare and present information that the Student Conduct Code was violated, and giving the accused student a reasonable opportunity to prepare and to present a response to those allegations. Deviations from designated procedures will not be a basis for sustaining an appeal unless significant prejudice results.
  - ii. To consider new information, sufficient to alter a decision or other relevant facts not brought out in the original hearing, because such information and/or facts were not known to the person appealing at the time of the original Student Conduct Board hearing.
- C. If an appeal is upheld by the Appellate Board, the matter shall be returned to the original Student Conduct Board and Student Conduct Administrator for reopening of the Student Conduct Board hearing to allow reconsideration of the original determination and/or sanction(s). If an appeal is not upheld, the matter shall be considered final and binding upon all concerned.

## **Article V: Interpretation and Revision**

Any question of interpretation regarding the Student Conduct Code shall be referred to the college official responsible for administration of the Student Conduct Code for final determination.

**AMENDED by Direct Approval from the Chancellor, August 11, 2020**

### **2.5.3 Student Records**

#### **1. Definitions**

For the purposes of this policy, the Maricopa County Community College District has used the following definition of terms.

- A. "College" includes all colleges, educational centers, skill centers and District office.
- B. "Educational Records" are any record (in handwriting, print, tapes, film, or other media) maintained by the college or an agent of the college which is directly related to a student, except:
  - i. A personal record kept by a staff member, if it is kept in the personal possession of the individual who made the record, and information contained in the record has never been revealed or made available to any other person except the maker's temporary substitute
  - ii. An employment record of an individual whose employment is not contingent on the fact that he or she is a student, provided the record is used only in relation to the individual's employment
  - iii. Records maintained by the colleges security unit, if the record is maintained solely for law enforcement purposes, is revealed only to law enforcement agencies of the same jurisdiction and the security unit does not have access to education records maintained by the community college.

- iv. Records made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional, if the records are used *only* for treatment of a student or made available only to those persons providing treatment.
- v. Alumni records which contain information about a student after he or she is no longer an attendant of the community college and the records do not relate to the person as a student

## 2. Records Request

Official verification of educational records is issued by the Admissions and Records Office/Office of Student Enrollment Services.

## 3. Fees

If a copy(ies) of a portion or all of the records in a student's file is requested, the custodian of the records may charge a fee for copies made. However, the willingness or ability to pay the fee will not effectively prevent students from exercising their right to inspect and review (under supervision of a college employee) their records. A fee will not be charged to search for or to retrieve records. Standard fees for printing and duplication services will apply.

## 4. Annual Notification ([SEE ALSO FERPA EXPLANATION](#))

Students will be notified of their rights annually by electronic mail in a FERPA Annual Notification. Students rights may also be provided via the following means: FERPA Annual Notification placement on the college website, publication in the college catalog and/or the student handbook:

Individuals requesting admission or enrollment at any of the Maricopa County Community Colleges are asked to provide certain contact information that is collected and used for the purpose of responding to the request. The information collected may include your name, address, telephone number or email address. Maricopa county community colleges and/or its agents, including attorneys and/or collection agencies, may use this information to contact you through various means, including phone calls, text messages, e-mail and postal mail. Communication may include, but is not limited to, information regarding account balances, programs and services that MCCCDC offers.

## 5. Rights of Access to Educational Records

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (FERPA defines an "eligible student" as a student who has reached 18 years of age or is attending a postsecondary institution at any age). These rights include:

### **A. *The right to inspect and review the student's education records within 45 days after the day the college receives a request for access.***

1. Students should submit to the Admissions & Records Office/Enrollment Services written requests that identify the record(s) they wish to inspect. The form to do so may be found [HERE](#). The college official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. There may be occasions when a record may not be copied, especially if doing so may compromise another student or faculty member's privacy. The college or district may deny access to the following records:
  - a. Parents' financial statements;
  - b. Letters of recommendation, if the student has waived his or her right of access;
  - c. Records filed before January 1, 1975; or
  - d. Records not included in the FERPA definition of educational records.
3. The Maricopa County Community College District and its associated colleges reserve the right to deny copies of records, including transcripts, in any of the following situations:
  - a. The student has an unpaid financial obligation to the college or District;
  - b. There is an unresolved disciplinary action against the student; or
  - c. The educational record requested is an exam or set of standardized test questions.

### **B. *The right to request the amendment of the student's education records that the student believes is inaccurate, or misleading.***

1. Students may ask the college to amend a record that they believe is inaccurate or misleading. They should write the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.
2. A proper request to correct a student education record must:
  - a. Be written to the College Registrar;
  - b. Clearly identify the part of the record they want to be changed; and
  - c. Specify why the record is inaccurate or misleading.
3. Any written request which does not include the required information will not be considered. The requestor will be notified in writing that their request was not properly submitted and they will receive directions on how to resubmit it.
4. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. The FERPA Appeal Process is also outlined in the student handbook and in [Appendix S-17](#) of the MCCC Administrative Regulations.

**C. *The right to provide written consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.***

1. With the exception of directory information and the various FERPA authorized disclosures without consent, the Maricopa County Community College District or its associated colleges must receive written consent from students before disclosing any personally identifiable information from educational records. The FERPA Release Of Information Consent MAY BE FOUND [HERE](#).

**CONDITIONS OF DISCLOSURE WITHOUT CONSENT**

FERPA permits the disclosure of personally identifiable information (PII) from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA Regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:

1. To other school officials, including instructors, administrators, supervisors, Governing Board members, academic or support staff, law enforcement and health staff, within the MCCC District whom the college or District has determined to have legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities. This includes contractors, attorneys, auditors, collection agents, consultants, volunteers, or other parties to whom the college has outsourced institutional services or functions, provided that the conditions listed in §99.31(A)(1)(I)(B)(1) – (A)(1)(I)(B)(2) are met. (§99.31(A) (1))
2. To officials of another school where the student seeks to or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(A) (2))
3. To authorized representatives of the US Comptroller General, the US Attorney General, and the US Secretary of Education, or State and Local Educational Authorities, such as a state postsecondary authority that is responsible for supervising the college's state supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of federal-or state-supported education programs, or for the enforcement of or compliance with federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement, or compliance activity on their behalf (§§99.31(A) (3) AND 99.35)
4. In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(A) (4))

5. To organizations conducting studies for, or on behalf of, the college, in order to: (A) Develop, Validate, or Administer Predictive Tests; (B) Administer student aid programs; or (C) Improve instruction (§99.31(A) (6))
6. To accrediting organizations to carry out their accrediting functions. (§99.31(A) (7))
7. To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(A) (8))
8. To comply with a judicial order or lawfully issued subpoena. (§99.31(A) (9))
9. To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(A) (10))
10. Information the college has designated as “Directory Information” under §99.37. (§99.31(A) (11))
11. To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(A) (13))
12. To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the college’s rules or policies with respect to the allegation made against him or her. (§99.31(A) (14))
13. To parents of a student regarding the student’s violation of any federal, state, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(A) (15))

Students who believe that MCCCDC or an agent of the college has disclosed information contrary to the provisions outlined in this section may submit a grievance via the non-instructional complaint resolution process. The process is posted at: [S-8 Non-Instructional Complaint Resolution](#)

**D. The right to file a complaint with the US Department to Education concerning alleged failures by the college to comply with the requirements of FERPA.**

The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
 US Department of Education  
 400 Maryland Avenue SW  
 Washington, DC 20202-5920

- E. **2012 FERPA AMENDMENT:** As of January 3, 2012, the U.S. Department of Education’s FERPA Regulations expand the circumstances under which your education records and Personally Identifiable Information (PII) contained in such records—including social security number, grades, or other private information—may be accessed without student consent. For more information on this amendment, please see: [FERPA](#)  
[HTTPS://DISTRICT.MARICOPA.EDU/CONSUMER-INFORMATION/FAMILY-EDUCATIONAL-RIGHTS-PRIVACY-ACT-FERPA](https://DISTRICT.MARICOPA.EDU/CONSUMER-INFORMATION/FAMILY-EDUCATIONAL-RIGHTS-PRIVACY-ACT-FERPA)

**F. Student Directory Information**

1. A Maricopa County Community College may release directory information about any student who has not specifically requested the withholding of such information. Students who do not want directory information released may so indicate during the admissions process or notify the Admission & Records Office/Enrollment Services.

A. Students should consider very carefully the consequences of a decision to withhold directory information. A privacy block will call for the college or District to not release this directory information. Therefore, any future requests for such information from non-institutional persons or organizations will be refused.

2. Students may request their college to withhold the sharing of directory information by filing out a [Request To Withhold Directory Information](#) form and submitting that form to the college Admission & Records Office/Enrollment Services.

3. Directory information is considered public information. At any Maricopa County Community College, directory information is defined as a student's:

**A. Name**

- B. Address
- C. Phone Number
- D. MCCCDC Email Address
- E. Photograph/Electronic Image
- F. Place of Birth
- G. Major Field of Study
- H. Current Enrollment Status
- I. Participation in Officially Recognized Activities
- J. Dates of Attendance
- K. Degrees Awarded
- L. Awards and Academic Honors Received/Dean's List Selection
- M. Previous Institutions Attended
- N. Program and promotional materials on participants in various sports and similar public activities, including weight and height of athletic team members.

**G. Disclosure to Parents**

In accordance with federal law, college officials may disclose educational records to parents of a student who have established the student's status as a dependent according to the Internal Revenue Code of 1986, section 152, without the written consent of the student.

**RELEASE OF DIRECTORY (PUBLIC) INFORMATION**

At its discretion, the college or District may provide *Directory Information* in accordance with the provisions of FERPA. Types of information considered As *Directory Information* are listed below. additional information may be found at: [DISTRICT.MARICOPA.EDU](http://DISTRICT.MARICOPA.EDU) under Consumer Information.

**DIRECTORY (PUBLIC) INFORMATION AT MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AND ITS ASSOCIATED COLLEGES**

- Name
- Address
- Phone Number
- MCCCDC Email Address
- Photographs
- Electronic Images
- Date and Place of Birth
- Major Fields of Study
- Current Enrollment Status
- Participation in Officially Recognized Activities
- Dates of Attendance
- Degrees
- Awards and Academic Honors Received
- Dean's List Selection
- Previous Institutions Attended
- Program and promotional materials on participants in various sports and similar public activities, including weights and heights of athletic team members
- Directory Information is Considered Public Information.

**PRIVACY OF DIRECTORY (PUBLIC) INFORMATION**

***BLOCKING THE RELEASE OF DIRECTORY (PUBLIC) INFORMATION***

By default, a college or District may release a student's directory information. Students may prohibit



(or block) the public disclosure of directory information by completing a ***PRIVACY BLOCK*** form.

Students should consider *very carefully* the consequences of a decision to withhold directory information. A privacy block will call for the college or District to not release this *directory information*. Therefore, any future requests for such information from non-institutional persons or organizations will be refused.

Although the college or District will honor a student's request to withhold directory information, it cannot *assume responsibility* to contact the student for subsequent permission to release this information. Regardless of the effect upon the student, the college or District assumes no liability as a result of honoring a student's instructions to withhold such information.

#### **ADDITIONAL INFORMATION:**

- If a student blocks directory information, it still may be inspected by those MCCCCD officials authorized by law to inspect education records without consent.
- If a student chooses to block directory information, it cannot be released to friends, family, prospective employers, the news media, advisors, student activities, and honors societies.
- Some reasons for considering a privacy block on directory information include harassment or the advice of a legal or medical professional.
- If a student wishes to keep public data private but release information so it can be published in commencement programs and honors lists, contact the office of Admissions & Records/Enrollment Services at the appropriate college(s).

If a student wishes to remove the privacy block, he or she must rescind the previous block. The college and District cannot assume responsibility to contact students for subsequent permission to release this information. It is the sole responsibility of the student to initiate the release of blocked information.

#### **USING SOCIAL SECURITY NUMBERS**

Due to identity theft concerns and privacy issues, students will no longer be asked to provide a social security number as a personal identifier. Instead, students will be assigned a student id number upon enrollment that can be used to access education records, as needed.

**AMENDED through the Administrative Regulations Approval Process, June 4, 2019**

[Appendix S-17: FERPA Appeal Process](#)

## **FERPA APPEAL PROCESS**

In instances where the college decides not to amend an education record as requested by the student, the college will notify the student of the decision and advise him/her of the right to an appeal hearing according to the following process:

- The student must have first presented the issue in writing to the college's Admissions/Enrollment Office or designee identifying the records that he/she wishes to have amended and provided any supporting documentation. Note: With the exception of clerical errors, requests that are expressly related to grade disputes are not subject to this process and must be vetted through the Instructional Grievance Process.

- If the request to change the record was deemed unsubstantiated by the college designee and the institution was able to demonstrate that the record was accurate, the student will be informed of the right to a formal appeal hearing.
- Students must request a formal hearing within 10 business days from the date they are informed of the right to an appeal hearing.
- The request for a formal hearing must be in writing and delivered to the [Dean of Admissions/Enrollment Services, Vice President of Student Affairs] or designee.
- The college official who receives the formal hearing request will either review the case personally or designate a hearing committee if the issue involves a matter not clearly established by current policy or administrative regulation.
- A written decision will be delivered to all parties summarizing the evidence and stating the reason(s) for the decision. If the decision is in favor of the student, the education record will be amended. If the decision is for the record to remain the same, the student may place a statement commenting on or disagreeing with the decision in the education record.

## **STUDENT HANDBOOK**

### **2.5.4 Student Employment**

#### **1. District Student Employees**

##### **A. Introduction**

Students may be employed by the college as student help. District regulations require that students be hired in essential jobs and that they be properly trained and supervised.

##### **B. Philosophy and Workload for Student Employees**

- i. It shall be the philosophy of Maricopa Community College District that a student may work to augment college and living expenses, however, the scholastic endeavor should be foremost. Sufficient time should be allotted for classroom attendance, homework, out-of-class study and participation in activities.
- ii. A workload of twenty (20) hours per week should be established as the maximum number of hours a student employee may work on campus. All student employees shall be enrolled in a minimum of three (3) semester credit hours. Any combination of day and evening hours would meet this requirement. Any student employee having special reasons to work over 20 hours per week or having dropped below three (3) credit hours should request his/her immediate supervisor to obtain approval from the College president or his/her designee.
- iii. During the summer sessions, students may be eligible for employment if they were enrolled for a minimum of three (3) semester credit hours at the end of the spring semester, or if they have been accepted for admission for the fall semester. Exceptions to the three (3) semester credit hours may be made by the president or his/her designee. Summer shall be designated as the time from the official end of the spring semester to the beginning of classes for the fall semester.

##### **C. Student Employee Benefits**

As student employees, there are no entitlements to employee benefits; i.e., vacation, retirement, sick leave, health and life, or disability insurance. Students will, however, be covered under Worker's Compensation Insurance.

##### **D. Student Employment Records**

Student employee records will be maintained at the Financial Aid office, the office of the fiscal agent or the Career/Placement Office and will be reviewed periodically by the Vice President of Students Affairs.

E. Student Compensation

The hourly rate of pay for student employees shall coincide with the policies of the District Salary Schedule.

F. Employee Contracts and Forms (See [Appendix FM-3](#))

Student Employee Grievance Procedure

G. Part-time student employees working for one of the Maricopa Community Colleges may wish to file a grievance relating to certain working conditions or violation of student employment regulation. Please refer to the Non-Instructional Complaint Resolution Process ([AR 2.3.12](#))

## 2. Student Security Guards

A. Introduction and Philosophy

Students may be employed by the college as student help. If student guards do not come from the ranks of Administration of Justice classes, they must undergo appropriate training to qualify them as student guards. This training program is outlined in the regulation.

B. Workload of Student Security Guards

i. Student security guards shall be enrolled for a minimum of three (3) semester hours.

ii. Student security guards shall be limited to 20 hours per week when the workweek starts at 7:00 a.m. on Monday and concludes at 11:00 p.m. on Friday. Additional hours may be worked if guards are assigned special duty at games or activities held on campus during the weekend, or if guards are assigned a shift on Saturday and Sunday, between 7:00 a.m. and 11:00 p.m.

C. Students not in Administration of Justice Program

i. Use of student other than those in Administration of Justice Program:

1. Selection of the student must be personally approved by the vice president of students affairs and chief of security.
2. Selection of a student should not extend beyond one semester without the approval of the vice president of students affairs.
3. Selected student must undergo a special training program directed by the chief of security and approved by the vice president of student affairs.

ii. Recommended program for students other than those in Administration of Justice programs: Students employed by campus security who are not majors in the Administration of Justice program should be given at least twenty (20) hours of training with pay before being allowed to function independently as a campus security guard. This training should include, but not be limited to instruction in:

1. Wearing of the uniform, general appearance, and demeanor
2. The use of the various security report forms and how to properly complete them to provide requested information; General report writing methods
3. Public relations methods used on the campus
4. Crime prevention methods used on the campus; Patrol methods used in buildings and grounds.
5. Basic techniques for interviewing students, faculty and visitors relative to the incidents
6. Laws and regulations governing the actions of campus security personnel concerning rendering of assistance to students, faculty and visitors on the campus
7. Basic first aid

D. Student Security Guards Employee Benefits

As student employees there are not entitlements to employee benefits; i.e., vacation retirement, sick leave, health and life, or disability insurance. Students will, however, be covered under Worker's Compensation Insurance.

E. Student Employment Records

The student security guard's employment records will be maintained at the office of the chief of security and reviewed periodically by the Vice President of Student Affairs.

### 2.5.5 Student Governance

Student governing bodies derive their authority from the Maricopa County Community College District Governing Board that exists in accordance with Arizona Revised Statutes. The administration of the District is vested in the Chancellor who

delegates responsibility for each college to the College President who serves in a management and policy implementation capacity having the ultimate responsibility for all activities of the college. The President shall designate the administrator(s) (i.e., directors of student leadership) at each college who will be charged with the responsibility for working with the college student governing body(ies) in the development of college student activities and programs.

A representative form of student governance may exist at each college/center as well as district wide to provide an effective means of communication among students, faculty, staff and administration and to provide student input in college and District matters. Eligibility requirements are to be met and spelled out in detail in each student governance constitution. These constitutions shall establish the minimum requirements for the elective/appointive officers. All student government constitutions shall be submitted to the Governing Board General Counsel to ensure compliance with federal and state laws, the Maricopa Community Colleges Governing Board Policies and the Chancellor's Administrative Regulations. Since Rio Salado Community College is a countywide non-campus college, the president shall ensure that opportunities exist for student involvement.

College student constitutions should be reviewed annually by student governance. The appropriate vice president or designee of each college shall be responsible for submitting any changes to the president of the college for transmittal to the Governing Board General Counsel.

### **1. Officers/Members**

All reference in this document to positions will designate whether the position is an officer position or a member position.

Each student governance constitution shall define which of its elected positions (maximum of 5) within its structure shall be designated as officers. The persons filling those positions shall be referred to, in this document, as officers. Persons filling all other positions, elected or appointed, shall be referred to as members (excluding non-voting committee members).

All positions filled by election shall be considered as elected positions, even though the person filling the position may have been appointed to fill an unexpired term of another individual.

### **2. Designation**

Colleges with two (2) student governments shall designate the governments as "day" or "evening." Colleges with one (1) government shall be considered day students, for the purposes of this document.

### **3. Eligibility for Office**

All student governance constitutions shall prescribe that all persons elected or appointed as officers shall be enrolled in and maintain a minimum of six (6) credit hours for day student governments, three (3) credit hours for evening student governments. Officers shall have and maintain a minimum cumulative grade point average of 2.50 and be in good standing (not on probation) according to the written district policy. Convicted felons shall be ineligible for office (ARS § 13-904). The constitution may, however, set more rigid requirements, if so desired by college student governance.

### **4. Tenure of Position**

Tenure in any student governance position shall be determined by the respective student governance constitutions. In no case shall any student be allowed to serve in any combination of officer/member positions beyond a total of ten (10) semesters. Tenure in any combination of officer positions shall be limited to four (4) semesters.

### **5. Removal from Office**

Provisions shall be made in all student governance constitutions for removal for cause of individuals from elected or appointed student governance positions.

### **6. Remuneration Limitations**

- A. Student body officers may receive financial support and/or a letter grade in a leadership class during their terms of office as authorized in their respective student governance constitutions. Student body officers (maximum 5) may receive up to twenty (20) hours per week in financial support and/or up to six (6) credit hours in leadership classes per semester. Remuneration shall be for services rendered and not for merely holding the office.
- B. For qualifying students, Federal Work Study (FWS) funds may be used in accordance with Federal guidelines.

- C. The allowance for awarding honorariums or scholarships for executive student officers is a maximum of \$200.00.
- D. Compensation may be received for both honorariums/scholarships and college employment in the same semester.

**7. Amending Student Constitutions**

College student constitutions should be reviewed annually by student governance. The appropriate vice president or designee of each college shall be responsible for submitting any constitutional changes to the President of the college for transmittal to the Governing Board General Counsel.

**8. Student Governance Advisors**

College organization advisors will be provided for in each student governance constitutions. Such advisors shall be full-time or part-time employees of the Maricopa Community Colleges.

Recommendations for appointment of an advisor may be submitted to the appropriate vice president or college president. Recommendations for dismissal of an advisor with just cause may be submitted to the appropriate vice president or college president.

**9. Legal/Fiscal/Financial Matters**

Authority and responsibility beyond the scope specifically covered in student policies, or interpretation of such matters within laws, board policies, etc. shall rest with the offices of General Counsel and Chancellor, respectively.

**10. Final Authority**

In the event of a complete breakdown of the governance body, the college president will serve as the final authority.

**Student Clubs and Organizations**

In addition to student governing bodies, student clubs and organizations may be formed that fall under the operational direction of the Office of Student Life and Leadership and the administrative direction of the Vice President of Student Affairs at each college. Student clubs and organizations are generally interest-based in nature (such as for a particular program, discipline, or college activity) and are considered to be an important part of the total college experience. Each college shall outline the requirements necessary to establish the formation of an interest-based student club and organization (i.e., mission/purpose, size, structure, advisors). Club advisors shall be employees of the Maricopa County Community College District.

In most instances, student clubs and organizations shall be open to all students who are enrolled in credit courses at a Maricopa Community College. Pursuant to ARS §15-1863, religious or political student organizations may determine that the organization's internal affairs, selecting the organization's leaders and members, defining the organization's doctrines, and resolving the organization's disputes are part of the organization's religious or political mission and that only persons committed to that mission should conduct such activities. For religious and political organizations, state statute recognizes the role that viewpoint serves in the mission and purpose of the organization's operations. Thus, such groups may elect to select members based upon organizational doctrine. The MCCCCD may not deny recognition or any privilege or benefit to a religious or political student organization or group that exercises its rights pursuant to the statute.

Whereas ARS §15-1863 allows religious and political organizations to determine their internal affairs and the selection of their leaders and members, the MCCCCD non-discrimination policy is applicable to all other aspects of these student clubs and organizations.

**\*\*\*\*\*INSERT INTO PROGRAM SECTION OF THE CATALOG AS ALLIED HEALTH\*\*\*\*\***

**Appendix S-13: The Maricopa Community Colleges Allied Health or Nursing Program  
Allied Health or Nursing Assumption of Risk/Release of Liability**

Most of the allied health or nursing program pathways include a program of study in a clinical training environment that may contain exposures to risks inherent in patient-oriented educational experiences (such as but not limited to bodily injury or communicable and infectious diseases). Students enrolling in clinical educational courses will be asked to sign a statement assuming all risks inherent in their coursework.

## Use of Confidential Information

Students enrolled in allied health or nursing program pathways will have learning experiences in a health care setting where they will have access to confidential information. Prior to beginning any clinical studies, the students will be asked to sign an agreement to adhere to the requirements of those clinical sites and applicable law, including the Health Insurance Portability and Accountability Act of 1996 (HIPAA).

## MCCCD Required Background Checks

Students enrolled in an MCCCD allied health or nursing program are required to complete and pass clinical learning experiences, working with children, elderly persons, and other vulnerable populations. MCCCD's major clinical agency partners now mandate that any college students assigned to them for clinical experiences submit to a comprehensive background clearance prior to entering such learning experiences. Because the clinical experience portion of the programs is critical to completing a program of study, MCCCD has instituted two specific background check requirements in order for a student to enroll in a program. First, the student must obtain, at his or her own cost, a Level I Fingerprint Clearance Card from the Arizona Department of Public Safety. Precluding offenses for a Level I card can be found in Arizona Revised Statute § 41-1758.07 (<https://www.azleg.gov/viewdocument/?docName=https://www.azleg.gov/ars/41/01758-07.htm>). Additionally, students must also obtain a "pass" status on a MCCCD supplemental background check from MCCCD's authorized background check contractor. The student must also pay for this background check. The supplemental check will be based on the most stringent standards of MCCCD's clinical experience partners.

The sole program for which the background check requirements are different is the Emergency Medical Technician program. For that program, students must have obtained a Level 1 Fingerprint Clearance Card from the Arizona Department of Public Safety. They are also required, at the time of their clinical assignments, to submit to, pay for and pass any additional background check requirements of the clinical agencies to which their EMT program places students.

Certain licensing boards may require a separate background check or clearance card upon application for licensure or certification.

The MCCCD supplemental background check review may include searches of the following databases and information but MCCCD reserves the right to change the search criteria and the program background check requirements at any time without notice:

1. *National Federal Health Care and Abuse Databases*
2. *Social Security Verification*
3. *Residency History*
4. *Arizona Statewide Criminal Records*
5. *Nationwide Criminal Databases*
6. *Nationwide Sexual Offender Registry*
7. *Homeland Security Search*

Examples of background information that will result in a "fail" status on the supplemental background check include:

1. *Social Security number does not belong to the applicant*
2. *Any inclusion on any registered sex offender database*
3. *Any inclusion on any of the Federal exclusion lists or Homeland Security watch lists*
4. *Any conviction of a felony no matter what age of the convictions*
5. *Any warrant any state*
6. *Any misdemeanor conviction for the following no matter how long ago:*
  - A. *Violent crimes*
  - B. *Sex crime of any kind including non consensual sexual crimes and sexual assault*
  - C. *Murder, attempted murder*
  - D. *Abduction*
  - E. *Assault*
  - F. *Robbery*

- G. Arson
  - H. Extortion
  - I. Burglary
  - J. Pandering
  - K. Any crime against minors, children, vulnerable adults including abuse, neglect, exploitation
  - L. Any abuse or neglect
  - M. Any fraud
  - N. Illegal drugs
  - O. Aggravated DUI
7. Any misdemeanor controlled substance conviction in last 7 years
  8. Any other misdemeanor conviction within last 3 years

EXCEPTIONS: Any misdemeanor traffic (DUI is not considered traffic).

The information that MCCCDC uses for the “pass/fail” background check is subject to change at any time without notice.

MCCCDC recommends that students carry proof of the background clearance at all times during any clinical agency learning experience.

### **Duty to Report Changes; Removal**

Students have an obligation to immediately report to the director of their program any change in the information that they supplied on forms submitted to initiate background checks relating to the allied health or nursing program. That includes information provided to the Arizona Department of Public Safety and MCCCDC’s supplemental background check vendor, as well as that related to the background check required by a clinical agency. Failure to do so will result in removal from the program. Additionally, any change in background check status that would affect the student’s clearance under either MCCCDC’s or a clinical agency’s standards will result in removal from a program.

### **Additional Clinical Agency Background Check**

Some clinical agencies require that students assigned to their sites submit to a criminal background check covering other offenses, as well as to a drug screening. Students are required to pay for the additional agency clinical background check. A clinical agency that requires this additional background check may refuse to place a student due to information the clinical agency obtains in its background check even though that student possess a valid Level I Fingerprint Clearance Card and has obtained a “pass” status on the MCCCDC supplemental background check.

Some conditions that have resulted in students being denied placement at clinical agencies include pending criminal charges, outstanding warrants, unfinished terms of a sentence (such as unpaid fines), pattern of repeated types of arrests/convictions, and failure to disclose all past arrests/convictions when asked to do so on any background check application.

### **Inability to Place**

MCCCDC has no obligation to make repeated attempts to place a student when the reason for MCCCDC’s inability to place the student is due to background check issues. Since clinical agency assignments are mandatory requirements for completion of a program, a student’s inability to complete required clinical experience due to his or her background check issues will result in removal from the program.

### **Changes to Admission or Background Check Requirements**

MCCCDC may change its program admission requirements or background check requirements without notice at any time.

### **No Guarantee of Receipt of Licensure/Certificate**

Many of the nursing and allied health programs prepare graduates for application for State or National certificates or licenses. In some professions, such licensure and certification is required prior to employment or practice in the profession. Graduation from a nursing and allied health program does not guarantee the receipt of a license or certificate to practice in the field of study.

**AMENDED by Direct Approval from the Chancellor, June 1, 2017**

## 4.18 Consensual Relationships

### 1. General

The existing Governing Board Policy on Hiring of Relatives prohibits employees from being involved in any employment or key decision that involves a relative. This would include work performance, job assignments, or pay related matters. In that such relationships can create a conflict with the interests of the Maricopa Community Colleges, and the increased potential for nepotism and favoritism, the same principles also apply in the case of consensual amorous, romantic and/or sexual relationships that occur between employees or between employees and students.

In the work and academic environment, such a relationship that might be appropriate in other circumstances is inappropriate if one of the individuals in the relationship has a professional responsibility toward, or is in a position of authority with respect to, the other, such as in the context of supervision, instruction, coaching, counseling or advisement. An element of power is present in such a context and it is incumbent upon those with authority not to abuse that power. In addition, consensual relationships may yield to third parties the appearance that unfair bias or favoritism towards the student or supervisee is taking place.

#### A. Definitions

- i. Consensual relationships are defined as romantic, amorous and/or sexual relationships between consenting employees or between employees and adult (18 years or older) college students currently enrolled at one of the community colleges.
- ii. An employee is any individual who is employed by the Maricopa County Community College District (MCCCD). An employee includes an individual who is subject to an established employee job group policy manual, whether regular, full-time board approved, at-will, part-time, and/or temporary. An employee also includes a contract worker (special services employment, request for personnel services) working or serving as an agent or designee on behalf of the MCCCD.
- iii. A student is considered to be any person currently enrolled in a credit or non-credit class at one of the colleges or centers within the Maricopa County Community College District.
- iv. A vendor is someone who sells or can sell products or services to the Maricopa County Community College District.
- v. A recent consensual relationship is considered to be one that has taken place within the past 24 months.

#### B. Prohibited Conduct

- i. An employee shall not maintain, engage in or be involved in a consensual relationship with another employee who is subject to that individual's supervision or with a student that is currently enrolled in the individual's class, or a student whom the individual otherwise instructs, coaches, counsels or advises, or with a vendor if the employee manages that contract or otherwise exerts influence over the contract.
- ii. The Governing Board recognizes that the personal life of its employees is not a concern of the institution, and therefore, this regulation does not seek to prohibit romantic relationships that exist between parties where the context of power-authority between employees or between employees and students is not present; and provided that the relationship does not affect the employee's effectiveness in fulfilling his or her professional obligation. For these instances, appropriate measures should still be taken in order to avoid conflicts of interest from occurring. For relationships that may exist prior to the time that either a student or employee is placed in a situation of instruction or supervision that is considered to be a conflict of interest, the employee(s) involved shall disclose and take immediate measures to avoid the conflict or appearance of conflict.

### 2. Procedures for Disclosure

Employees should first avoid allowing an inappropriate consensual, amorous or sexual relationship to develop with a supervisee or student.

- A. Where the employee is already in or has had a recent consensual relationship with a supervisee, the following procedures shall be followed:



- i. Immediate disclosure by the employee of the relationship to their supervisor and to the appropriate Vice President or Vice Chancellor in order to ensure that any conflicts of interest have been adequately addressed.
  - ii. The respective administrator responsible for the department or division shall place the subordinate under alternate supervision when a supervisor under his/her direction has or has had a recent consensual relationship with the employee.
  - iii. The supervisor shall recuse himself or herself from any discussions or involvement with decisions related to evaluations, promotion, hiring, determination of salary, or continuation of contract or employment.
  - iv. The respective Vice President or Vice Chancellor shall prepare and retain a report that specifies the appropriate alternate arrangements that have been made to eliminate the conflict of interest. The EEO/AA Office shall be provided a copy of the report along with the employees involved in the relationship.
- B. Where the employee is already in or has had a recent consensual relationship with a student prior to enrollment in his or her class, the following procedures shall be followed:
- i. The faculty member shall counsel and advise the student not to enroll in his or her course.
  - ii. The Consensual Relationships Policy will be made available to students via the student handbook and other appropriate communications vehicles.
  - iii. If it is not possible for a student to enroll in another course, section, or course and section at another college due to a requirement for completion of a degree or certificate and no other academic option is available, disclosure of the relationship will be made to the appropriate Department Chair, Dean and Vice President of Academic Affairs or Vice President for Student Affairs as appropriate for review. The Vice President will refer the matter to the Vice Chancellor for Academic and Student Affairs for consideration. The Chancellor or his/her designee may allow a student to enroll in the class only upon a showing by the student that the enrollment is necessary to avoid an extreme hardship, and upon a showing by the college President or designee that the academic integrity of the student's enrollment in the class will nevertheless be maintained.
3. Persons who are married, or were married, are included within the definition of persons that have or who have had a consensual amorous relationship. Disclosure in this instance may be made via the Maricopa Disclosure process [The Annual Acknowledgement and Disclosures form may be found in the [Employee Learn Center](#). Employee credentials are needed to enter secure site].
4. An employee who fails to follow the requirements established in this policy and who does not withdraw from participation in activities or decisions that may reward or penalize a supervisee or student with whom the employee has or has had a recent consensual amorous relationship, will be considered in violation of policy and will be addressed in accordance with established processes in job group policy manuals.

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**LANGUAGE ADOPTED BY DIRECT CHANCELLOR APPROVAL**

**2.8.3 Technology Accessibility**

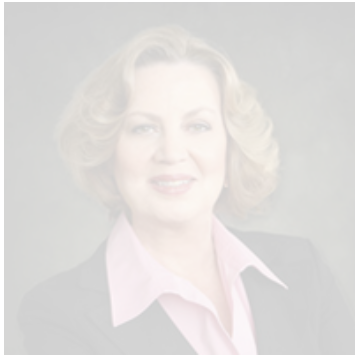
The Maricopa Community College District is committed to ensuring equal access to information, programs, services and activities through its technologies, Web pages, and resources both in the academic and work environments. This regulation establishes that Electronic and Information Technology (EIT) that are used to conduct the business of the Maricopa Community Colleges shall adhere to established accessibility standards and guidelines.

**ADOPTED by Direct Approval from the Chancellor, April 1, 2015**

# Governing Board

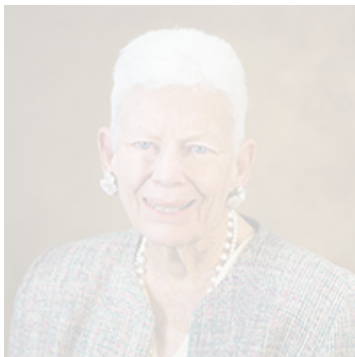
The Maricopa County Community College District's Governing Board has seven seats, including five elected positions from geographical districts within Maricopa County and two at-large positions representing the entire county. Board members serve staggered four-year terms.

## Board Members



[Susan Bitter Smith](#)

Member  
District 2



[Jean  
McGrath](#)

Member  
District 4



[Tom  
Nerini, Ed.D.](#)

**Secretary**  
District 5



[Jacqueline  
Smith, J.D.](#)

Member  
District 1

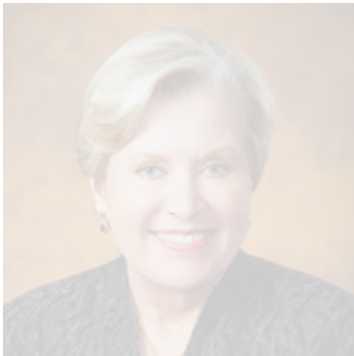
**Board Operations**

[Visit](#)



[Marie Sullivan](#)

**President**  
District 3



[Linda Thor, Ed.D.](#)

Member  
At-large



[Kathleen Winn](#)

Member  
At-large

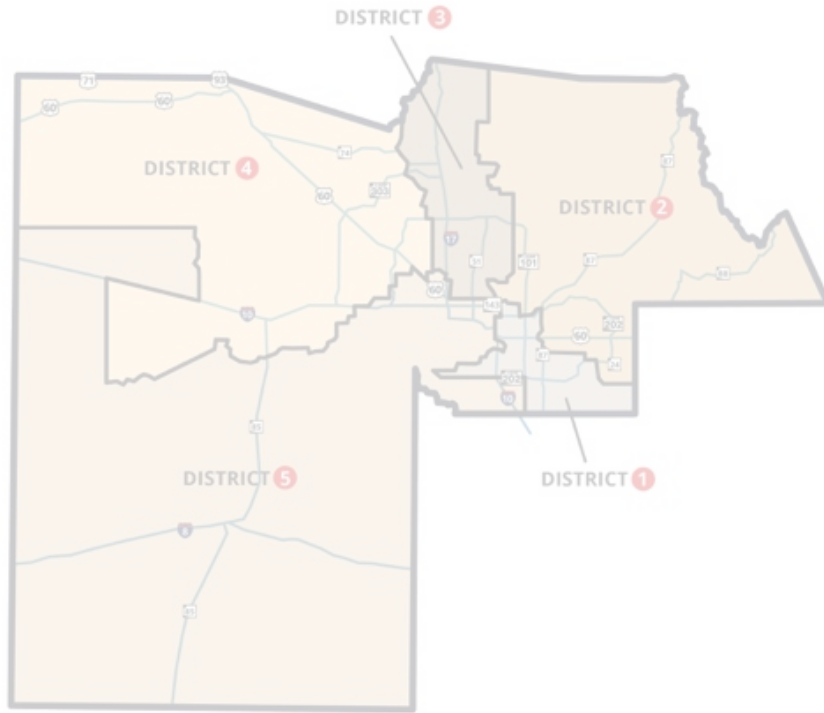


[Julissa Munoz](#)

Student Member

[Maricopa Community Colleges' Board Operations page](#) to find more information about [Board Policies](#), to see the current [Board Agenda](#) and [Meeting Schedule](#), and to review [Board Minutes](#).

**District Map**



## Terms

Board members are elected in staggered years to four-year terms.

For information on the election process for Maricopa County, check out the Maricopa County Recorder's website at [Candidate/Campaign Information Center: Maricopa County](#).

# District and College Leadership

## The Chancellor's Executive Council

To effectively run the District, the Chancellor is supported by a team of Vice-Chancellors and other District leaders, as well as the presidents of our 10 colleges. Our leaders' diverse backgrounds and professional experiences contribute to the success of the District and all of our students.

## District Leadership



[Melissa Flores](#)

Interim General Counsel



[Matt Hasson](#)

Chief Communication Officer



[Georgetta Kelly](#)

Chief Human Resources Officer



[Dr. Eric Leshinskie](#)

Interim Provost





[Darcy Renfro](#)

Chief Workforce and Economic Development Officer



[Brian Spicker](#)

President and Chief Executive Officer

## College Leadership



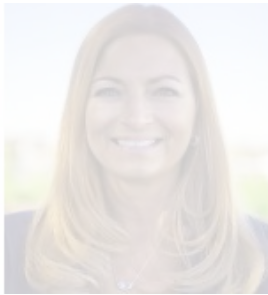
[Dr. Lori Berquam](#)

Interim President  
Mesa Community College



[Dr. Paul Dale](#)

President  
Paradise Valley Community College



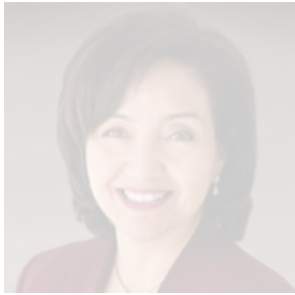
[Dr. Amy Diaz](#)

Interim President  
GateWay Community College



[Christina M. Haines, M.Ed.](#)

Interim President  
Scottsdale Community College



[Dr. Teresa  
Leyba-Ruiz](#)

President  
Glendale Community College



[Dr. Clyne  
Namuo](#)

Interim President  
Phoenix College



[Dr. Shari L. Olson](#)

President  
South Mountain Community College



[Dr. Greg Peterson](#)

President  
Chandler-Gilbert Community College



[Dr. Rey Rivera](#)

President  
Estrella Mountain Community College



[Kate Smith, M.S.](#)

President  
Rio Salado College

# EMCC ADMINISTRATION

## Senior Management

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### **Snelling, John**

#### ***Associate Vice President, Institutional Effectiveness***

TBD

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#### ***Police Commander***

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#### ***Dean of Student, Enrollment***

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## EMCC Administration Emeritus

**Lara, Ernie**

President Emeritus

**Tippett, Bryan K.**

Posthumous Vice President Emeritus

# Glossary of Terms

## **Add/Drop Period**

A period of time before classes begin when schedule changes are made. A penalty may be charged for changes made after the start of classes.

## **Admission**

Acceptance into a college after the student has filed a completed Student Information Form with the Admissions and Records Office and has been admitted according to admissions criteria. Students who have been admitted are eligible to register for courses.

## **Advisor**

A counselor, faculty, or other designated staff member who has received training to provide students with academic information and will direct them to the appropriate classes to achieve their goals and enhance their success.

## **AGEC**

A 35-semester-credit general education program of study that fulfills lower-division general education requirements for students planning to transfer to any Arizona public community college or university and transfers as a block without loss of credit.

## **Assessment**

Placement or Assessment of Skills for Successful Entry and Transfer (ASSET) evaluates students' present testing skills in English, reading and math so students may choose courses that match their skills. Assessment is based upon scores received from the ASSET course placement tests. Scores are used as a guide for proper course placement.

## **Associate Degree**

Degree awarded by community colleges after a student completes a specified number of course requirements and credit hours, generally a minimum of 60 semester credits. Either an Associate in Arts (AA); Associate in Transfer Partnership (ATP); Associate in Business (ABus); or Associate in Science (AS); designed primarily for transfer to complete a baccalaureate degree; and an Associate in Applied

Science (AAS), designed primarily to enhance workplace skills and knowledge, or an Associate in General Studies (AGS), designed to fulfill students' goals of higher education.

## **Associate in Transfer Partnership (ATP)**

The Associate in Transfer Partnership (ATP) is designed for students transferring to public and private colleges and universities. This degree is specifically developed for students who have an identified major and have selected the baccalaureate degree granting institution to which they intend to transfer.

## **Audit**

An option for class registration in which the student pays to attend class, but does not want to receive credit. Students sometimes choose to audit courses in which they do not wish to complete required assignments.

## **Bachelor's Degree**

A degree awarded by a four-year college or university. Generally requires completion of 120 semester credits. Also referred to as a baccalaureate degree (e.g., BA or BS).

## **College Orientation**

A session during which new students are introduced to academic programs, facilities, and services provided by a college.

## **Commencement**

Also known as graduation. A ceremony during which colleges award certificates of completion and degrees to graduating students.

## **Continuous Enrollment**

The process of registering and completing courses during consecutive semesters, which may include summer sessions. Determines catalog year for graduation.



**Corequisite**

Specified conditions, requirements, or courses that must be completed at the same time as another course.

**Counselor**

A professionally trained staff member who helps students with educational, career, or personal concerns.

**Course**

A specific subject studied within a limited period of time, such as a semester; and taught by a faculty member. Also called course offering or class.

**Course Fee**

A charge for services, supplies, and/or materials for a course in addition to tuition and registration fees for the course.

**Course Number**

A three-digit code that identifies a specific course and indicates its level and sequence (e.g., 101 in ENG 101).

**Course Prefix**

A three-letter code that identifies the subject area of a course (e.g., ENG in ENG101 indicating a course in English).

**Course Title**

The name of a specific course that indicates subject and content (e.g., Freshman English, title for English 101).

**Credit Hour**

The numerical unit of college credits earned for the satisfactory completion of a specific course; also referred to as semester hours or units (e.g., 3 credit hours).

**Cross-Referenced Courses**

Two or more disciplines connected to the course. All course elements are identical except for the prefix. Some variation may occur at number level if a number is not available for use.

**Curriculum**

A planned sequence of courses aimed at an academic or occupational goal; also referred to as a program of study.

**Customer**

One that purchases and/or consumes a product or service; defining and meeting customer needs drives the development of any successful product or service.

**Division**

A group of faculty who teach classes in related subjects, such as communication, English, and social science in the Liberal Arts Division.

**Electives**

Non-required courses that students may select to complete their program of study.

**Extracurricular Activities**

Also known as co-curricular. Activities, clubs, or organizations students may participate in above and beyond their academic courses.

**Faculty**

Instructors.

**Final Exams**

Tests or exercises given at the end of a term that are often comprehensive; may include all material covered during the semester. The schedule of final exam dates and times for each term is included in the Schedule of Classes.

**Fiscal Office**

Also known as the Cashier's Office. Students may pay tuition and fees, course fees, and other encumbrances owed the college at the Fiscal Office.

**Grade Point**

The numerical value of grade multiplied by the credit hours for a course (A=4 points; B=3 points; C=2 points; D=1 point). If, for example, a student earns an A in English 101 (3 credit hours), then the student earns 12 points: A=4 points x 3 (credit hours) = 12 points.

**Grade Point Average**

Generally called GPA, grade point average is determined by dividing the total number of grade points earned by the total number of credit hours attempted. For example, 45 grade points divided by 15 credit hours earned = 3.0 GPA.

**Load**

Also called academic load. The total number of credit hours taken in a term. Twelve credit hours is considered a full-time load.

**Lower Division**

Normally freshman- and sophomore-level (100 and 200) courses offered by a college. Community colleges offer ONLY lower division courses. Four-year institutions offer lower division courses and upper division courses, which are junior-level and senior-level (300 and 400) courses.

**Major**

An area of concentrated study often for a specific degree or occupation, such as English, nursing, or engineering.

**Official Absence**

Absence from class approved by the Dean of Student Services for students who are participants in an official college activity. Students must present approved absence documentation to their instructors before the official absence and make arrangements to complete the work they will miss.

**Pass/Fail**

An option for class registration in which students choose to receive a grade of Pass or Fail in lieu of a letter grade (A, B, C, D, F). Students can earn credits towards graduation by passing these courses but the grades will not count in their GPAs. It is best to check with an advisor to make sure that Pass/Fail grades will transfer to another college or university.

**Period**

Time spent in class and/or lab each week. One period is equivalent to 50 minutes per week for a one-credit course that meets during a 16-week semester.

**Placement Test**

See assessment.

**Prerequisite**

Specified conditions, requirements, or classes that must be completed before enrolling in a class. For example, ENG102 has a prerequisite of ENG101.

**Probation**

A warning that a student is not in good academic standing. May be accompanied by restricted credit hour enrollment.

**Recess**

Holidays and the periods of time between academic semesters when classes are not in session.

**Registration**

Actual enrollment of a student into specific courses after the student has been admitted to the college and has received academic advisement.

**Required Course**

A course that a student must complete to meet certain goals or to complete a certain curriculum.

**Requisites (Pre/Corequisites)**

Prerequisites define requirements which must be completed prior to enrollment in a course. Corequisites define requirements that must be met concurrently with a course.

**Schedule of Classes**

A college publication that lists all courses offered during a semester, including: dates and times of class meetings, names of instructors, buildings and rooms, credit hours, and other important registration information.

**Scholastic Suspension**

The inability to enroll in the college for one semester. For not maintaining the minimum required GPA for two consecutive semesters.

**Section Number**

A four-digit code used to identify each class section of each course offered. Each class has a different section

number. Section numbers are listed in the Schedule of Classes.

**Semester**

Traditionally half an academic year, 16 weeks in length. Fall semester begins in August and spring semester begins in January.

**Service Learning**

Combines community service with classroom instruction, focuses on critical thinking, value clarification and social responsibility. The key components of Service Learning are linkage to course competencies or objectives, a relevant experience and a meaningful contribution to the community.

**Service Strategy**

A distinctive formula for delivering service and providing a clearly states customer benefit that is valuable to the customer and established an effective competitive position.

**Subject Codes**

See Course Prefix and Course Number.

**Syllabus**

One or more pages of course requirements that instructors give to students on the first day of class. The syllabus may include detailed information about a course, such as an instructor's grading system, attendance policies, and testing and assignment dates.

**Transcript**

An official record of a student's college coursework that is maintained by the college registrar. Courses taken, grades, GPA, and graduation information are included on a transcript.

**Transfer Credit**

Course credit that is accepted from or by another college or university to meet requirements in a major or as general education.

**Trial Schedule**

A form in which students list their course selections to determine the combination of courses and class times that work best during a particular term.

**Tuition and Fees**

The cost per semester credit unit that students must pay for their college courses. Tuition and fees are determined by the Maricopa County Community College Governing Board.

**Withdrawal**

Officially dropping any or all courses during a semester. Students withdrawing from one or more courses must notify the Admissions and Records Office in writing and request that they be officially withdrawn. Refunds are based on the refund schedule set forth in the catalog. After a specified date, students must have instructor approval before withdrawing from a course.

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### Fields of Interest

- APPLIED TECHNOLOGY
- BEHAVIORAL SCIENCE AND HUMAN SERVICES
- BUSINESS, ENTREPRENEURIALISM, AND MANAGEMENT
- COMPUTER AND INFORMATION TECHNOLOGY
- CULTURE AND SOCIETY
- EDUCATION
- HEALTH SCIENCES
- STEM
- VISUAL AND PERFORMING ARTS



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