Degree Requirements
Graduation/General Education Policies

FOR MARICOPA COMMUNITY COLLEGES

General Graduation Requirements (AR 2.3.9)

NOTE: Also see "Catalog Under Which a Student Graduates (AR 2.2.5)."

All students are required to complete the degree and/or certificate requirements as approved by the MCCCD Governing Board. The college reserves the right to make necessary course and program changes in order to meet current educational standards. In addition, students must:

1. be credited in the Office of Admissions and Records with not fewer than: 60 semester credit units in courses numbered 100 or above for the Associate in Arts degree, Associate in Science degree, Associate in Transfer Partnership degree, and Associate in General Studies degree; 60 semester credit units for the Associate in Applied Science degree; 62 semester credits for the Associate in Business degrees. For specific certificate programs, be credited with not fewer than the minimum total of credit units required for the certificate program.

2. have earned a minimum of 12 semester credit units toward the degree or certificate at the district college granting the degree or certificate. The 12 hours in the AAS degree curricula may be in the Required Courses area and/or Restricted Electives courses. Courses from the General Education Core and Distribution area are excluded. In cases where the certificate requires fewer than 12 credit units, a minimum of six credit units must be completed at the college granting the certificate. The minimum of six credit hours in the certificate or degree curricula may be in the Required Courses area and/or the Restricted Electives. Courses from the General Education Core and Distribution areas are excluded.

Shared programs are program offered at multiple colleges but not available at all colleges.

The requirements are identical at all the colleges offering the program.

A shared program requires a minimum of six credit hours from the total program requirements to be completed with a grade of "C" or better at the college awarding the certificate or degree. The exception is the Nursing program. For those shared programs with less than six credit hours, the total hours for the program must be completed at the college awarding the certificate.

3. have filed an application for the degree or certificate with the Office of Admissions and Records on the date determined by the college/center.

Students must apply for graduation from the college where they have successfully completed Block 4 of the Associate in Applied Science in Nursing.

4. have a minimum cumulative grade point average of 2.000 at the college granting the degree.

5. have a minimum cumulative grade point average of 2.000 in all courses used to fulfill degree requirements.

Some specific programs have higher grade requirements. It is the student's responsibility to be aware of these program requirements.

6. have removed, thirty (30) days after the anticipated graduation date, all deficiencies on the record to use those courses toward program completion.

7. have removed any indebtedness to any MCCCD college/center.

8. have paid required degree or certificate application fee.

See fee schedule for charges.

See Graduation with Honors for information on honors designation.
Certificates/Degrees

The Maricopa Community Colleges offer Certificates of Completion as well as Associate degrees, one of which is conferred on each student who has completed a program of study. These certificates and degrees are as follows: (1) Certificate of Completion (Career Program Specified); (2) Academic Certificate; (3) General Education Certificate; (4) Associate in Arts; (5) Associate in Science; (6) Associate in Business; (7) Associate in General Studies; (8) Associate in Transfer Partnership; (9) Associate in Applied Science (Career Program Specified).

All candidates for a degree and/or certificate must complete the General Graduation Requirements as approved by the MCCCD Governing Board.

All students are urged to meet with a faculty advisor, program advisor or counselor as soon as possible to determine which program meets their needs and to plan their course of study.

Graduate Guarantee Policy

The Governing Board believes so strongly in the quality of its colleges’ occupational training programs that it guarantees graduate competence.

1. Graduation from an Associate of Applied Science (AAS) is designed to prepare a person for entry-level employment in a specific career field. A graduate’s ability to perform approved program competencies will be judged by employers. Should the employer of a graduate who has earned an AAS degree find the employee lacking in the technical skills normally expected of an entry-level employee in the specific career field for which that graduate prepared, the District will provide the graduate with up to the equivalent of twelve (12) credit hours of retraining for no additional tuition.

2. Because technical occupations change rapidly, initial employment in an AAS degree-related field must occur within one year of graduation from the AAS degree program in question.

Retraining needs to occur as cost effectively as possible. The graduate’s employer must present a list of the graduate’s skill deficiencies to the appropriate vice president or designee at the graduate’s alma mater. All retraining will be completed in a reasonable time as agreed to by the employer, the student, and the college.

Licensure Disclaimer

Maricopa Community Colleges’ courses and programs prepare students for entry into a variety of professions. Many of these professions require that a person hold an occupational license or certificate in order to work in a particular field. Typically, a person must meet certain legal requirements before obtaining such a license or certificate. These requirements are established by county, state or federal agencies, and often are based on a person’s character, or whether the person has been convicted of a criminal offense. It is possible for a student who has obtained a degree or certificate from a community college to be denied the right to work in a particular profession after completing the degree or certificate because of concerns over the student’s character or criminal background. Any student preparing to enter a field for which a professional license or certificate is required is strongly advised to consult with the appropriate government agency that issues such credentials. That agency can provide the student complete information about any requirements the law imposes for working in a particular occupation.

MCCCD General Education Statement

The general education core of the program of study for an associate degree or a certificate helps students develop a greater understanding of themselves, of their relationship with others, and of the richly diverse world in which they live. The general education experience provides students with opportunities to explore broad areas of commonly held knowledge and prepares them to contribute to society through personal, social, and professional interactions with others. General education fosters students’ personal development by opening them to new directions, perspectives, and processes.

Through its general education requirements, the Maricopa County Community College District is committed to helping students develop qualities and skills that will serve them throughout their lives. General education opportunities encourage students to:

- Build self-awareness, self-respect, and self-confidence
- Recognize and respect the beliefs, traditions, abilities, and customs of all people and all cultures
• Consider the local, global, and environmental impacts of personal, professional, and social decisions and actions
• Access, evaluate, analyze, synthesize, and use information wisely
• Communicate effectively personally, socially, and professionally
• Think critically, make informed decisions, solve problems, and implement decisions
• Consider the ethical implications of their choices
• Value the learning process throughout their lives
• Integrate and connect ideas and events in a historical perspective, and see relationships among the past, the present, and the future
• Develop a personal sense of aesthetics
• Use technological resources appropriately and productively
• Work cooperatively and respectfully with others to serve their communities

The general education experience at MCCCD is composed of specific elements across the curriculum designed to provide the learner with essential knowledge and skills:

• Communication
• Arts and Humanities
• Numeracy
• Scientific Inquiry in the Natural and Social Sciences
• Information Literacy
• Problem-Solving and Critical Thinking
• Cultural Diversity

General Education Designations (Example: (FYC), [SB], [HU], etc.)

Effective Fall 2000 the course evaluation and/or general education designation as listed in the Arizona CEG (Course Equivalency Guide) within the Arizona Course Applicability System (AZCAS) is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Given that curriculum is dynamic at both MCCCD and the institutions to which MCCCD students transfer, students have the option to petition for general education evaluations and/or general education designations.

The college reserves the right to make necessary course and program changes in order to meet current educational standards.

Catalog Under Which a Student Graduates (AR 2.2.5)

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 single public community college or university in Arizona or transferring among public institutions in Arizona while pursuing their degrees.

1. A semester in which a student earns course credit will be counted toward continuous enrollment. Non-credit courses, audited courses, failed courses, or courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes.

EXAMPLE A:

Admitted & Earned Course Credit at a Public Community College or University. . . . Fall ‘93 . . . . . . . . . . . (Active)

Continued at a Public Community College. . . . . . Spring ‘94, Fall ‘94 . . . . (Active)

(1993 or Any Subsequent Transferred to a University . . Spring ‘95 . . . . . . . . . Catalog)

EXAMPLE B:

Admitted & Earned Course Credit at a Public Community College or University. . . . Fall ‘92 . . . . . . . . . . . . . . . . (Active)

Enrolled But Earned All Ws, Zs, or Fs . . . . . . Spring ‘93 . . . . . . . (Inactive)
Enrolled in Audit Courses Only ............ Fall '93 ............ (Inactive)
Nonattendance .............. Spring '94 ............ (Inactive)
(1994 or Any Subsequent
Transferred to a University . . Fall '94 ............ Catalog)

2. Students who do not meet the minimum enrollment standard stipulated in No. 1 during three consecutive semesters (fall/spring) and the intervening summer term* at any public Arizona community college or university are no longer considered continuously enrolled, and must meet requirements of the public Arizona community college or university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission.

EXAMPLE A:
Admitted & Earned Course Credit at a Public Community College or University . . . . . Fall '92 ............ (Active)
Nonattendance . . . Spring '93, Fall '93, Spring '94 . . (Inactive)
Readmitted & Earned Course Credit at a Public Community College . . . . . Fall '94 ............ (Active)
(1994 or Any Subsequent
Transferred to a University . . Spring '95 ............ Catalog)

EXAMPLE B:
Admitted & Earned Course Credit at a Public Community College or University . . . . . Fall '92 ............ (Active)
Nonattendance . . . Spring '93 . . (Inactive)
Readmitted & Earned Course Credit at a Public Community College . . . . . Summer '93 ............ (Active)
Nonattendance . . . Fall '93, Spring '94 . . (Inactive)
(1992 or Any Subsequent
Transferred to a University . . Fall '94 ............ Catalog)

*Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.

3. Students admitted or readmitted to a public Arizona community college or university during a summer term must follow the requirements of the catalog in effect the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment.

EXAMPLE:
Admitted & Earned Course Credit at a Public Community College or University . . . . . Summer '94 ............ (Active)
Continued at a Public Community College . . . . . Fall '94, Spring '95 . . . (Active)
Nonattendance . . . . Fall '95 ............ (Inactive)
Readmitted & Earned Course Credit at a Public Community College . . . . . Spring '96 ............ (Active)
(1994 or Any Subsequent
Transferred to a University . . Summer '96 ............ Catalog)

4. Students transferring among Arizona public higher education institutions must meet the admission requirements, residency requirements, and all curricular and academic requirements of the degree-granting institution.

University Department Time Limit for Coursework

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 eight years old is applicable to completion of degree requirements at the discretion of the student’s major department. Departments may accept such coursework, reject it, or request that the student revalidate its substance. The eight-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.

The college reserves the right to make necessary course and program changes in order to meet current educational standards.
Arizona General Education Curriculum (AGEC) — A, B, S

Description
The Maricopa County Community College District Arizona General Education Curriculum (MCCCD AGEC) is a 35-38 semester-credit general education certificate that fulfills lower-division general education requirements for students planning to transfer to any Arizona public community college or university. The MCCCD AGEC transfers as a block without loss of credit.

All credits used to satisfy the MCCCD AGEC will apply to graduation requirements of the university major for which the AGEC was designed, regardless of whether the credit was awarded for completion of coursework or for prior learning. For additional information on credit awarded for prior learning assessment, see the policy on Credit for Prior Learning in the general catalog.

For students planning to pursue an associate degree or transfer to an Arizona public community college or university, the AGEC A is a component of the MCCCD Associate in Arts, the AGEC B is a component of the MCCCD Associate in Business, and the AGEC S is a component of the MCCCD Associate in Science.

Purpose of the AGECs
There are three types of MCCCD AGECs. They are the AGEC A, the AGEC B, and the AGEC S. Designed to articulate with different academic majors, their requirements vary accordingly. Additional information on academic majors at the Arizona public universities can be accessed via the following website:

http://az.transfer.org/cas/atass/
- Click on Student Information.
- Select Degrees and Pathways.
- Follow Degree Program Query Engine instructions.

1. The AGEC A is designed to satisfy requirements in many liberal arts majors as well as other majors that AGEC A articulates with the Associate in Arts (e.g., social sciences, fine arts, humanities). AGEC A requires a minimum of college mathematics or college algebra to satisfy the Mathematics [MA] requirement. AGEC A Mathematics requirement is less stringent than the AGEC B and AGEC S. AGEC A and AGEC B Natural Sciences requirements are less stringent than AGEC S.

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. AGEC S articulates with the Associate in Science. 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 or general biology to satisfy the Natural Sciences [SQ/SG] requirement. In addition, students must select six to eight additional credits of math and/or science appropriate to the major.

Academic Policies that Govern the AGEC A, B, S:
- Requires 35-38 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better. Credit units transferred from outside of the district need to be at a grade of ”C” or better. A grade of ”C” equals 2.0 on a 4.0 grading scale or equivalent;
- Uses the following policies to help students complete the required Core and Awareness Areas without exceeding the 35 semester credits:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area requirement.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
3. A course can be used to satisfy L and SB or L and HU requirements simultaneously in the core area for the AGEC S.

- Follows the general education policy below:

  **General Education Designations (Example: (FYC), [SB], [HU], etc.)**
  Effective Fall 2000 the course evaluation and/or the general education designation as listed in the Arizona CEG (Course Equivalency Guide) within the Arizona Course Applicability System (AZCAS) is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Given that curriculum is dynamic at both MCCCD and the institutions to which MCCCD students transfer, students have the option to petition for course evaluations and/or general education designations.

- Require courses that transfer as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona CEG (Course Equivalency Guide). The course evaluation and/or general education designation as listed in AZCAS is valid for the term in which the student is awarded credit on the transcript;

- Require that a minimum of 12 semester credits of coursework be taken at any of the MCCCD colleges;

- Include both courses and their modular equivalents, either the course or the modular equivalents will satisfy the AGEC;

- Accept one of the courses that is cross-referenced with other courses;

- Provide for exemption from Arizona university admission requirements for: Students who complete the AGEC A, AGEC B, or AGEC S with a minimum 2.0 on a 4.0=A scale, or students who complete an associate or higher degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

**AGEC Requirements**

The 35-38 semester credits required for each of the three AGECs follow. See the list entitled *MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S* for specific course information via the following website:

http://www.maricopa.edu/academic/curric/

- Click on the Resources tab.
- Scroll down to: Matrix of MCCD Courses That Can Be Used to Satisfy AGEC A, AGEC B, and/or AGEC S.
- Click on the link.

The list identifies the courses in alphabetical order by prefix as well as the different Core Areas and Awareness Areas where the course will apply. When selecting Mathematical Studies and Natural Sciences options, select from the appropriate AGEC A, B, or S list.

**Credits**

**A. Core Areas:** ................................................................. 35

1. First-Year Composition (FYC) ........................................... 6

2. Literacy and Critical Inquiry [L] ..................................... 3

**AGEC A and AGEC B:** Select a course that satisfies the [L] requirement (3).

**AGEC S:** Select a course that satisfies L and SB (Social and Behavioral Sciences) OR L and HU (Humanities and Fine Arts) requirements simultaneously (0-3).
3. **Mathematical Studies [MA/CS]** ........................................... 6

To complete the Mathematical Studies requirement for AGEC A and AGEC B, select one course to satisfy Mathematics [MA], and a second course from Computer/Statistics/Quantitative Applications [CS].

AGEC S does not require the [CS] area.

**AGEC A requires:**
- Mathematics [MA] (3 credits) AND
  (Requires a course in college mathematics (MAT142) or college algebra (MAT150, MAT151, MAT152) or precalculus (MAT187) or any other mathematics course designated with the MA general education value and for which college algebra is a prerequisite.)
- Computer/Statistics/Quantitative Applications [CS] (3 credits)

**AGEC B requires:**
- Mathematics [MA] (3 credits) AND
  (Requires a course in brief calculus (MAT212) or a higher level mathematics course (MAT220 or MAT221 or any course for which these courses are prerequisites.)
- Computer/Statistics/Quantitative Applications [CS] (3 credits)

**AGEC S requires:**
- Mathematics [MA] (4 credits) AND
  (Requires a calculus course (MAT220 or MAT221) or any course for which MAT220 or MAT221 are prerequisites OR if pursuing a degree at ASU in Life Sciences select MAT251 Calculus for Life Sciences.)

4. **Humanities and Fine Arts [HU]** .......................................... 6

AGEC A and AGEC B: Students are encouraged to choose courses from more than one discipline for a total of six semester credits.

AGEC S: Select a course that satisfies both L and SB or L and HU requirements simultaneously.

5. **Social and Behavioral Sciences [SB]** ................................... 6

AGEC A and AGEC B: Students are encouraged to choose courses from more than one discipline for a total of six semester credits.

AGEC S: Select a course that satisfies both L and SB (Social and Behavioral Sciences) or L and HU (Humanities and Fine Arts) requirements simultaneously.

6. **Natural Sciences [SQ/SG]** .................................................. 8

To complete the Natural Sciences requirement:

AGEC A and AGEC B require four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of eight (8) semester credits, OR eight (8) semester credits of [SQ]. Students **cannot** take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

The Natural Sciences requirement [SQ/SG] differs for AGEC S. AGEC S requires eight (8) semester credits of either university chemistry or eight (8) semester credits of university physics or eight (8) semester credits of general biology appropriate to the major.

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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

*For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.*
7. Subject Options (Subject based on major) (AGEC S) ........................................... 6-8

Students completing AGEC S, through careful selection of courses that meet the other
major or pre-requisite requirements for Science degrees, will meet this requirement.
Using a transfer guide, select Mathematics courses above Calculus, and/or Science courses
from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geolog, Physical
Geography, Physics, Zoology.

B. Awareness Areas ................................................................. 0

Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either
Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to
exceed thirty-five to thirty-eight semester credits to complete any of the three MCCCD AGECs
because courses can satisfy a Core Area and one or two Awareness Areas simultaneously. Therefore,
no additional semester credits are required to satisfy the two Awareness Areas.

1. Cultural Diversity in the United States [C]
AND
2. Global Awareness [G] OR
3. Historical Awareness [H]

AGEC Area Requirements Descriptions/Definitions

Core Areas

First-Year Composition (FYC)
Courses must be completed with a grade of “C” or better in the
First-Year Composition Core Area. Courses must emphasize skills necessary for
college-level learning and writing skills.

Literacy and Critical Inquiry [L]
Courses must be completed with a grade of “C” or better in the Literacy and Critical
Inquiry Core Area. In the [L] course, typically at the sophomore level, students 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.

For AGEC S, students will select a course that satisfies both Literacy and Social and
Behavioral Sciences or Literacy and Humanities and Fine Arts requirements simultane-
ously.

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 requirement helps students sustain and extend their ability to
reason critically and communicate clearly through language.

Mathematical Studies
Courses must be completed with a grade of “C” or better in the Mathematical Studies Core
Area. One course must be selected from Mathematics [MA]. In AGEC A and AGEC B, a
second course must be selected from Computer/Statistics/Quantitative Applications [CS].

The Mathematical Studies requirement is intended to ensure that students have skill in
basic mathematics, can use mathematical analysis in their chosen fields, and can understand
how computers make mathematical analysis more powerful and efficient.

First, the acquisition of essential skill in basic mathematics requires the student to complete
a course in college algebra or to demonstrate a higher level of skill by completing a course
for which college algebra is a prerequisite.

Second, the real-world application of mathematical reasoning requires the student to take a
course in statistics or the use of quantitative analysis to solve problems of substance.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
Third, the use of the computer to assist in serious analytical work is required. Computers are widely used to study the implications of social decisions or to model physical systems.

Mathematics [MA] AGEC A
The AGEC A Mathematics Core Area requires a course in college mathematics, college algebra, precalculus, or any other mathematics course for which college algebra is a prerequisite.

Mathematics [MA] AGEC B
The AGEC B Mathematics Core Area requires a course in brief calculus or a higher level mathematics course.

Mathematics [MA] AGEC S
The AGEC S Mathematics Core Area requires the first course in the calculus sequence or any mathematics course for which that course is a prerequisite.

MAT251 is required if transferring to a Life Sciences degree at Arizona State University (ASU).

Computer/Statistics/Quantitative Applications [CS]
AGEC A and AGEC B [CS] requires: courses that emphasize the use of statistics or other mathematical methods in the interpretation of data and in describing and understanding quantitative relationships, courses that involve the use of computer programming languages or software in the development of skills in analytical thinking. AGEC B specifies CIS105 as the course that meets the [CS] requirement.

Humanities and Fine Arts [HU]
Courses must be completed with a grade of “C” or better in the Humanities and Fine Arts Core Area. Students are encouraged to choose coursework from more than one discipline.

The humanities are concerned with questions of human existence and the universality of human life, questions of meaning and the nature of thinking and knowing, and questions of moral, aesthetic, and other human values. The humanities investigate these questions in both the present and the past and make use of philosophy, foreign languages, linguistics and communications studies, religious studies, literature, and fine arts.

The fine arts constitute the artist’s creative deliberation about reality, meaning, knowledge, and values.

Social and Behavioral Sciences [SB]
Courses must be completed with a grade of “C” or better in the Social and Behavioral Sciences Core Area. Students are encouraged to choose coursework from more than one discipline.

The Social and Behavioral Sciences Core Area provides scientific methods of inquiry and empirical knowledge about human behavior, both within society and within individuals. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological, or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political, and social distance.

Natural Sciences [SQ/SG]
Courses must be completed with a grade of “C” or better in the Natural Sciences Core Area.

Courses in the Natural Sciences Core Area help the student to develop an appreciation of the scope and limitations of scientific capability to contribute to the quality of society. This Core Area emphasizes knowledge of methods of scientific inquiry and mastery of basic scientific principles and concepts, in particular those that relate to matter and energy in living
and non-living systems. Firsthand exposure to scientific phenomena in the laboratory is important in developing and understanding the concepts, principles, and vocabulary of science. At least one of the two laboratory courses required in the Natural Sciences Core Area must include an introduction to the fundamental behavior of matter and energy in physical or biological systems.

**Natural Sciences [SQ] A & B**

The AGEC A and B Natural Sciences Core Area requires one laboratory course in natural sciences that includes a substantial introduction to the fundamental behavior of matter and energy in physical or biological systems.

**Natural Sciences [SG] A & B**

The AGEC A and B Natural Sciences Core Area requires a second laboratory course in the natural sciences, for example, from anthropology, astronomy, biology, chemistry, experimental psychology, geology, microbiology, physical anthropology, physical geography, physics, plant biology.

**Natural Sciences [SQ], [SG] S**

The AGEC S Natural Sciences Core Area requires eight semester credits of either university chemistry or eight semester credits of university physics or eight semester credits of general biology appropriate to the major.

SQ = Natural Science-Quantitative  
SG = Natural Science-General

**Subject Options (for AGEC S)**

Courses in the Subject Options area help the student to be prepared for specific majors in science. Students completing AGEC S, through careful selection of courses that meet the other major or pre-requisite requirements for Science degree, will meet this requirement. Using a transfer guide, courses should be selected from Mathematics courses above Calculus, and/or Science courses from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geology, Physical Geography, Physics, Zoology.

**Awareness Areas**

Students must satisfy two Awareness Areas: Cultural Diversity in the United States and either Global Awareness or Historical Awareness. Courses can satisfy a Core Area 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 oneself. 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.
Associate in Arts (AA) Degree

Description
The Maricopa County Community College District Associate in Arts degree requires 60-64 semester credits for the program of study. The degree includes the following components:

I. General Education:
   - Arizona General Education Curriculum for Arts (AGEC A)
   - MCCCD Additional Requirements

II. General Electives

Purpose of the Degree
The Associate in Arts 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. The degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

The semester credits used to satisfy the MCCCD Associate in Arts will apply to university graduation requirements of the university major for which the Associate in Arts is designed. Information regarding the articulation of the Associate in Arts with majors at the Arizona public universities can be accessed via the following website: http://az.transfer.org/cas/atass/student/modpath.html.

Academic Policies that Govern the Associate in Arts Degree
• Completion of the Associate in Arts or the AGEC A provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;
• The graduation policies within the general catalog must be satisfied for completion of the Associate in Arts degree;
• A minimum of 60 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;
• The General Education Requirements for AGEC A may be completed in 35 semester credits with the following stipulations:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area.
• General Education courses can satisfy multiple areas within the degree simultaneously (AGEC A Core Area, AGEC Awareness Area, MCCCD Additional Requirements, or lower-division courses applicable to the major);
• Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;
• Courses completed at one of the Maricopa Community Colleges to meet AGEC A requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course’s evaluation and/or general education designation is valid for the term in which the student is awarded credit on the transcript. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/;

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;

• Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC A or Associate in Arts degree;

• Courses and their modular equivalents will satisfy AGEC A and Associate in Arts requirements;

• If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

Degree Requirements
The 60-64 semester credits required for the Associate in Arts follow. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/. This list identifies the courses in alphabetical order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematical Studies and Natural Sciences areas on the list and the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGEC.

I. MCCCD General Education

The MCCCD General Education includes two areas: MCCCD AGEC A and MCCCD Additional Requirements.

A. MCCCD AGEC A

1. Core Areas .......................................................... 35
   a. First-Year Composition (FYC) .................................. 6
   b. Literacy and Critical Inquiry [L] ................................. 3
   c. Mathematical Studies [MA/CS] .................................. 6
      To complete the Mathematical Studies requirement, select one course to satisfy Mathematics [MA] A and a second course from Computer/Statistics/Quantitative Applications [CS].
      1) Mathematics [MA] A (3 credits)
         NOTE: requires a course in college mathematics (MAT142) or college algebra (MAT150, MAT151, MAT152) or precalculus (MAT187) or any other mathematics course designated with the MA general education value and for which college algebra is a prerequisite.
      AND
      2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
   d. Humanities and Fine Arts [HU] ................................. 6
      Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.
   e. Social and Behavioral Sciences [SB] ............................ 6
      Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.
   f. Natural Sciences [SQ/SG] ........................................ 8
      To complete the Natural Sciences requirement: Select four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of eight (8) semester credits, OR eight (8) semester credits of [SQ]. Students
cannot take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

2. **Awareness Areas**

Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
AND
Global Awareness [G] OR
Historical Awareness [H]

3. **MCCCD Additional Requirements**

Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the MCCCD Additional Requirements because courses can satisfy a Core Area and MCCCD Additional Requirements simultaneously. Therefore, no additional semester credits are required to satisfy Oral Communication and Critical Reading.

a. **Oral Communication**

A total of three (3) semester credits is required for Oral Communication. However, if students select a communication course that satisfies both the Oral Communication area and an area within the Core, then the Oral Communication requirement has been satisfied and additional electives may be taken.

Select from the following options:

- COM100 [SB] (3 credits) OR
- COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
- COM110 [SB] (3 credits) OR
- COM110AA & COM110AB & COM110AC [SB] (3 credits) OR
- COM225 [L] (3 credits) OR
- COM230 [L] [SB] (3 credits)

b. **Critical Reading**

A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE101 and apply it to AGEC A Core requirements or if the students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied and additional electives may be taken.

CRE101 [L] OR
equivalent as indicated by assessment
II. General Electives
Select courses to complete a minimum of 60 semester credits but no more than a total of 64 semester credits.

For students who have decided on a major that articulates with the AA, but who are undecided on the university to which they will transfer, courses satisfying the General Electives area should be selected from the list of Common Courses, Arizona Transfer Pathway Guides, and/or University Transfer Guides in order for the courses to apply in the major upon transfer.

The list of Common Courses for each major is included in the Arizona Transfer Pathway Guides. University Transfer Guides are also available for the Arizona public universities. These guides, both statewide and institutional, are accessible on the following web site: http://az.transfer.org/cas/students/transfer_guides.htm.

Students must select MCCCD courses that are acceptable as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona CEG within the AZCAS. For appropriate course selection, students should consult with an advisor.

For some majors, students must demonstrate 4th semester proficiency at the 202 course level to satisfy the Non-English Language Requirements. Students should consult the Arizona Transfer Pathway Guides and/or the University Transfer Guides to determine this requirement for the major at the university to which they intend to transfer. If required, it is recommended that students choose MCCCD courses as electives to meet this requirement as part of the Associate in Arts degree.

Students who are undecided on a major or university should consult an advisor. Not all majors have common courses, so it is recommended that students consult with an advisor for a list of Common Courses or assistance with selecting appropriate electives.

Associate in Arts Total Credits ................................................................. 60-64

Associate in Arts in Elementary Education (AAEE) Degree

Description
The MCCCD Associate in Arts in Elementary Education (AAEE) degree requires the student to complete a total of 60-63 semester credits in the program of study. The degree has two major components:

I. MCCCD General Education
   Arizona General Education Curriculum for Arts (AGEC A)
   Additional MCCCD Requirements

II. Elementary Education Requirements
   Education Foundations
   Electives for Arizona Professional Teacher Standards

Purpose of the Degree
The AAEE 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.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
The degree transfers as a block without loss of credit to Arizona’s public universities. All semester credits applied to the MCCCD Associate in Arts in Elementary Education also apply to graduation requirements of the university major for which the AAEE was designed, regardless of whether the credit was awarded for completion of coursework or for prior learning. (For additional information on credit awarded for prior learning assessment, see the policy on Credit for Prior Learning in the college catalog.)

Academic Policies that Govern the Associate in Arts in Elementary Education Degree

- Completion of the Associate in Arts or the AGEC A provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;
- The graduation policies within the general catalog must be satisfied for completion of the Associate in Arts degree;
- A minimum of 60-63 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;
- The General Education requirements for AGEC A may be completed in 35 semester credits with the following stipulations:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area.
  3. Courses can satisfy an Elementary Education requirement and one or more Awareness Areas simultaneously.
  4. A course cannot satisfy both the Elementary Education requirement and a Core Area requirement simultaneously.
- Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;
- Courses completed at one of the Maricopa Community Colleges to meet AGEC A requirements must be listed in the Arizona Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course’s evaluation and/or general education designation is valid for the term in which the student is awarded credit on the transcript. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/;
- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;
- Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC A or the Associate in Arts in Elementary Education degree;
- Courses and their modular equivalents will satisfy AGEC A and Associate in Arts in Elementary Education requirements;
- If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.
Degree Requirements

I. MCCCD General Education Requirements

A. MCCCD AGEC A

1. Core Areas .................................................. 35-38

   a. First-Year Composition [FYC] ............................. 6
      ENG101/102 OR ENG107/108

      1) MAT142 [MA] College Mathematics, or higher
         (NOTE: MAT150, MAT151, MAT152, MAT156 and MAT157 are excluded)
         AND
      2) CIS105 [CS] Survey of Computer Information Systems OR
         BPC110 [CS] Computer Usage and Applications

   c. Literacy and Critical Inquiry [L] .......................... 3
      Select 3 semester credits from the following courses:
      COM225 Public Speaking OR
      COM230 Small Group Communication

   d. Humanities and Fine Arts [HU] ............................ 6
      1) Select 3 semester credits from the following courses:
         ARH100 Introduction to Art
         ARH101 Prehistoric through Gothic Art
         ARH102 Renaissance through Contemporary Art
         AND
      2) Select 3 semester credits from the following courses:
         ENH110 Introduction to Literature
         ENH241 American Literature Before 1860
         ENH242 American Literature After 1860
         EDU/ENH291 Children's Literature
         HUM250 or HUM251 Ideas and Values in the Humanities
         THE111 Introduction to Theatre
         DAH100 Introduction to Dance
         DAH201 World Dance Perspectives
         MHL140 Survey of Music History
         MHL143 Music in World Cultures

   e. Social and Behavioral Sciences [SB] ....................... 6
      1) Select 3 semester credits from the following courses:
         HIS103 United States History to 1870
         HIS104 United States History 1870 to Present
         AND
      2) Select 3 semester credits from the following courses:
         PSY101 Introduction to Psychology
         GCU121 World Geography I: Eastern Hemisphere
         GCU122 World Geography II: Western Hemisphere
         ECN211 Macroeconomic Principles
         ECN212 Microeconomic Principles
         POS110 American National Government
         CFS/ECH176 Child Development
f. **Natural Sciences—Science-Quantitative [SQ] and Science-General [SG]** .... 8

To complete the Natural Sciences requirement, select a total of 8 semester credits from the following categories. At least 4 credits must be SQ courses. You can select 4 semester credits of SG and 4 semester credits of SQ for a total of 8 semester credits. Natural Sciences courses must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory are awarded separate credit, both will be counted as equivalent to one course in that discipline.

Select SQ (Life Sciences) and SG (Physical Sciences, Earth/Space Sciences) courses from the following categories:

1) Life Sciences-Select 4 semester credits of SQ or SG from BIO
   AND
2) Physical Sciences OR Earth/Space Sciences-Select 4 semester credits of SQ or SG credits from the following prefixes: AGS, ASM, AST, CHM, GPH, GLG, PHS, PHY.

---

2. **Awareness Areas** .......................... 0

The MCCCD AAEE requires coursework in two Awareness Areas:

- Cultural Diversity in the United States [C]
- AND
- Historical Awareness [H] OR
- Global Awareness [G]

Courses can satisfy a Core Area requirement and one or more Awareness Areas, or can satisfy an Elementary Education requirement and one or more Awareness Areas simultaneously. Therefore, no additional semester credits are required to satisfy the two Awareness Areas.

3. **MCCCD Additional Requirements** .......................... 0-3

   a. **Oral Communication**
      Satisfied by COM225 or COM230 taken for Literacy and Critical Inquiry requirement.

   b. **Critical Reading**
      CRE101 or exemption by testing.

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II. **Elementary Education Requirements** .......................... 25

A total of 25 semester credits are required to satisfy the Elementary Education Requirements.

A. **Education Foundations** .......................... 15

Complete the following courses to satisfy the Education Foundations requirements:

- EDU221 Introduction to Education
- EDU222 Introduction to the Exceptional Learner
- EDU230 Cultural Diversity in Education
- MAT156 Mathematics for Elementary Teachers I
- MAT157 Mathematics for Elementary Teachers II

B. **Electives for Arizona Professional Teacher Standards** .......................... 10

A total of 10 semester credits are required to satisfy the Electives for Arizona Professional Teacher Standards: 3 credits in an additional Education course and 7 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.

1. Additional Education Course Requirement
   Select any EDU course (except EDU221, EDU222, EDU230 and EDU250) to satisfy this requirement.

2. Content Area Electives
   Select 7 credits from the following:
   - Any ARH, ART, CIS, BPC, ENG, ENH, GPH, HIS, MHL, MTC, POS, THE, THP prefixed course(s)
   - Any EDU prefixed course(s) (except EDU250)
   - Any MAT courses numbered higher than 142 (except MAT156 and MAT157)
   - Any Foreign Language course(s)
   - Any Natural Science course(s)
   - CFS/ECH176 Child Development
   - CFS205 Human Development
   - EED215 Early Learning: Health, Safety, Nutrition and Fitness
   - FON100 Introductory Nutrition

Associate in Arts in Elementary Education Total Credits ........................................ 60-63

Associate in Arts, Fine Arts — Art (AAFA — Art) Degree

Description
The Maricopa County Community College District Associate in Arts, Fine Arts — Art degree requires a minimum of 63 semester credits for the program of study. The degree includes the following components:

I. General Education:
   - Arizona General Education Curriculum for Arts (AGEC A)
   - MCCCD Additional Requirements

II. Fine Arts Requirements — Art

Purpose of the Degree
The Associate in Arts, Fine Arts — Art 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.

The semester credits used to satisfy the MCCCD Associate in Arts, Fine Arts — Art degree will apply to university graduation requirements of the university major for which the degree is designed. Information regarding the articulation of the degree with majors at the Arizona public universities can be accessed via the following website: http://az.transfer.org/cas/atass/student/modpath.html.

Academic Policies that Govern the Associate in Arts, Fine Arts — Art Degree

- Completion of the Associate in Arts, Fine Arts — Art degree or the AGEC A provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;
- The graduation policies within the general catalog must be satisfied for completion of the Associate in Arts, Fine Arts — Art degree;

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• A minimum of 63 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;

• The General Education Requirements for AGEC A may be completed in 35 semester credits with the following stipulations:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area.

• General Education Courses can satisfy multiple areas within the degree simultaneously (AGEC A Core Area, AGEC Awareness Area, MCCCD Additional Requirements, or lower-division courses applicable to the major);

• Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;

• Courses completed at one of the Maricopa Community Colleges to meet AGEC A requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course's evaluation and/or general education designation is valid for the term in which the student is awarded credit on the transcript. Use the Site Map to locate the list titled *MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S* for specific course information via the following website: http://www.maricopa.edu/academic/curric/;

• Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;

• Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC A or Associate in Arts, Fine Arts – Art degree;

• Courses and their modular equivalents will satisfy AGEC A and Associate in Arts, Fine Arts – Art requirements;

• If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

**Degree Requirements**

The 63 semester credits required for the Associate in Arts, Fine Arts – Art degree follow. Use the Site Map to locate the list titled *MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S* for specific course information via the following website: http://www.maricopa.edu/academic/curric/. This list identifies the courses in alphabetical order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematical Studies and Natural Sciences areas on the list and the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGEC.

**I. MCCCD General Education**

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<th>Credits</th>
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**A. MCCCD AGEC A**

1. **Core Areas**
a. First-Year Composition (FYC) ......................................................... 6
b. Literacy and Critical Inquiry [L] ....................................................... 3
c. Mathematical Studies [MA/CS] ....................................................... 6
   To complete the Mathematical Studies requirement, select one course
to satisfy Mathematics [MA] A and a second course from Computer/
Statistics/Quantitative Applications [CS].
   1) Mathematics [MA] A (3 credits)
      Select a course in college mathematics or college algebra or
      precalculus or any other mathematics course for which college
      algebra is a prerequisite.
      AND
   2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
d. Humanities and Fine Arts [HU] ....................................................... 6
   Students are encouraged to choose coursework from more than one dis-
cipline for a total of six semester credits.
   Select the following:
   ARH101 Prehistoric Through Gothic Art . . 3
e. Social and Behavioral Sciences [SB] ............................................... 6
   Students are encouraged to choose coursework from more than one dis-
cipline for a total of six semester credits.
f. Natural Sciences [SQ/SG] .............................................................. 8
   To complete the Natural Sciences requirement: Select four (4) semester
credits of [SQ] and four (4) semester credits of [SG] for a total of eight
(8) semester credits, OR eight (8) semester credits of [SQ]. Students
cannot take eight (8) semester credits of [SG] to meet the Natural
Sciences requirement.
   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. Students
should also access the Arizona Course Equivalency Guide (CEG) within
the Arizona Course Applicability System (AZCAS) for information on
equivalencies.

2. Awareness Areas ................................................................. 0
   Students must satisfy two Awareness Areas: Cultural Diversity in the United
States [C] and either Global Awareness [G] or Historical Awareness [H].
   However, it is not necessary for students to exceed thirty-five semester credits to
complete the Awareness Areas because courses can satisfy a Core Area 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]
   AND
   Global Awareness [G] OR
   Historical Awareness [H]

3. MCCCD Additional Requirements ................................................. 0-6
   Students must satisfy Oral Communication and Critical Reading areas. However,
it is not necessary for students to exceed the thirty-five semester credits required
in order to complete the MCCCD Additional Requirements because courses
can satisfy a Core Area and MCCCD Additional Requirements simultaneously. Therefore, no additional semester credits are required to satisfy Oral Communication and Critical Reading.

a. **Oral Communication**
   A total of three (3) semester credits is required for Oral Communication. However, if students select a communication course that satisfies both the Oral Communication area and an area within the Core, then the Oral Communication requirement has been satisfied and additional electives may be taken.

   Select from the following options:
   - COM100 [SB] (3 credits) OR
   - COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
   - COM110 [SB] (3 credits) OR
   - COM110AA & COM110AB & COM110AC [SB] (3 credits) OR
   - COM225 [L] (3 credits) OR
   - COM230 [L] [SB] (3 credits)

b. **Critical Reading**
   A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE101 and apply it to AGEC A Core Requirements or if the students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied.

   Select from the following options to complete 3 credits:
   - CRE101 (3 credits) OR
equivalent as indicated by assessment

II. **Fine Arts Requirements – Art**

   A minimum of 28 credits is required to satisfy the Fine Arts Requirements – Art.

   **Foundations**

   Select the following:
   - ADA112/ Two-Dimensional ART111 Drawing I ........................... 3
   - ART112 Design .................................. 3 ART113 Color ......................... 3
   - ADA115/ Three-Dimensional ART255AB The Portfolio .................. 1
   - ART115 Design .................................. 3
   - ARH102 Renaissance Through Contemporary Art ................. 3

   **Restricted Electives**

   Select from the following options to complete a minimum of twelve semester credits:
   - ART116 Life Drawing I ....................... 3
   - ART122 Drawing and Composition II ....... 3
   - ART131 Photography I ....................... 3
   - ART132 Photography II .................... 3
   - ART151 Sculpture I .......................... 3
   - ART161 Ceramics I .......................... 3
   - ART165 Watercolor Painting I ............. 3
   - ART167 Painting I............................ 3

**Associate in Arts, Fine Arts – Art Total Credits** .................................................. 63
Associate in Arts, Fine Arts – Dance (AAFA – Dance) Degree

Description
The Maricopa County Community College District Associate in Arts, Fine Arts – Dance degree requires a minimum of 64 semester credits for the program of study. The degree includes the following components:

I. General Education:
   - Arizona General Education Curriculum for Arts (AGEC A)
   - MCCCD Additional Requirements

II. Fine Arts Requirements – Dance

Purpose of the Degree
The Associate in Arts, Fine Arts – Dance 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.

The semester credits used to satisfy the MCCCD Associate in Arts, Fine Arts – Dance degree will apply to university graduation requirements of the university major for which the degree is designed. Information regarding the articulation of the degree with majors at the Arizona public universities can be accessed via the following website: http://az.transfer.org/cas/atass/student/modpath.html.

Academic Policies that Govern the Associate in Arts, Fine Arts – Dance Degree
- Completion of the Associate in Arts, Fine Arts – Dance degree or the AGEC A provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;
- The graduation policies within the general catalog must be satisfied for completion of the Associate in Arts, Fine Arts – Dance degree;
- A minimum of 64 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;
- The General Education Requirements for AGEC A may be completed in 35 semester credits with the following stipulations:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously;
  2. A course cannot be used to satisfy more than one Core Area.
- General Education Courses can satisfy multiple areas within the degree simultaneously (AGEC A Core Area, AGEC Awareness Area, MCCCD Additional Requirements, or lower-division courses applicable to the major);
- Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;
- Courses completed at one of the Maricopa Community Colleges to meet AGEC A requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course's evaluation and/or general education designation is valid for the term in
which the student is awarded credit on the transcript. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/;

- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;

- Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC A or Associate in Arts, Fine Arts – Dance degree;

- Courses and their modular equivalents will satisfy AGEC A and Associate in Arts, Fine Arts – Dance requirements;

- If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

Degree Requirements
The 64 semester credits required for the Associate in Arts, Fine Arts – Dance degree follow. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/. This list identifies the courses in alphabetical order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematical Studies and Natural Sciences areas on the list and the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGEC.

I. MCCCD General Education

Credits
The MCCCD General Education includes two areas: MCCCD AGEC A and MCCCD Additional Requirements.

A. MCCCD AGEC A

1. Core Areas ................................................................. 35
   a. First-Year Composition (FYC) ................................. 6
   b. Literacy and Critical Inquiry [L] .............................. 3
   c. Mathematical Studies [MA/CS] ............................... 6
      To complete the Mathematical Studies requirement, select one course to satisfy Mathematics [MA] A and a second course from Computer/Statistics/Quantitative Applications [CS].
      1) Mathematics [MA] A (3 credits)
         Select a course in college mathematics or college algebra or precalculus or any other mathematics course for which college algebra is a prerequisite.
         AND
      2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
   d. Humanities and Fine Arts [HU] ................................. 6
      Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.
      Select from the following options to complete three credits:
      DAH100 Introduction to Dance .............................. 3
      DAH201 World Dance Perspectives ...................... 3
e. **Social and Behavioral Sciences [SB]** ................................................................. 6

Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.

f. **Natural Sciences [SQ/SG]** ........................................................................... 8

To complete the Natural Sciences requirement: Select four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of eight (8) semester credits, OR eight (8) semester credits of [SQ]. Students **cannot** take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

Select from the following options to complete four credits:

- BIO160 Introduction to Human Anatomy and Physiology .................. 4
- BIO201 Human Anatomy and Physiology I ................................. 4

2. **Awareness Areas.** ....................................................................................... 0

Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
AND
Global Awareness [G] OR
Historical Awareness [H]

3. **MCCCD Additional Requirements** ............................................................. 0-6

Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the MCCCD Additional Requirements because courses can satisfy a Core Area and MCCCD Additional Requirements simultaneously. Therefore, no additional semester credits are required to satisfy Oral Communication and Critical Reading.

a. **Oral Communication**

A total of three (3) semester credits is required for Oral Communication. However, if students select a communication course that satisfies both the Oral Communication area and an area within the Core, then the Oral Communication requirement has been satisfied and additional electives may be taken.

Select from the following options:

- COM100 [SB] (3 credits) OR
- COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
- COM110 [SB] (3 credits) OR
- COM110AA & COM110AB & COM110AC [SB] (3 credits) OR

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
COM225 [L] (3 credits) OR
COM230 [L] [SB] (3 credits)

b. Critical Reading

A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE101 and apply it to AGEC A Core Requirements or if the students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied and additional electives may be taken.

Select from the following options to complete 3 credits:
CRE101 [L] (3 credits) OR
equivalent as indicated by assessment

II. Fine Arts Requirements – Dance
A minimum of 29 credits is required to satisfy the Fine Arts Requirements – Dance.

Part I
Select the following:

DAN150 Dance Performance I 1
DAN210 Dance Production I 3
DAN221 Rhythmic Theory for Dance I 2
DAN264 Choreography I 3
DAN280 Dance Practicum 2

Part II
Select from the following options to complete a minimum of nine semester credits. Students must attain Level III competency in ballet and modern dance courses:

DAN120++ World Dance (any module) 1
DAN129 Musical Theatre Dance I 1
DAN130 Musical Theatre Dance II 1
DAN131 Ballet I 1
DAN132 Modern Dance I 1
DAN133 Modern Jazz Dance I 1
DAN134 Ballet II 1
DAN135 Modern Dance II 1
DAN136 Modern Jazz Dance II 1
DAN229 Musical Theatre Dance III 1
DAN230 Musical Theatre Dance IV 1
DAN231 Ballet III 1
DAN231AA Ballet III: Intensive 2
DAN232 Modern Dance III 1
DAN233 Modern Jazz Dance III 1
DAN234 Ballet IV 1
DAN234AA Ballet IV: Intensive 2
DAN235 Modern Dance IV 1
DAN236 Modern Jazz Dance IV 1
DAN237 Ballet Pointe I 1
DAN239++ Dance Conservatory I
DAN290++ Dance Conservatory II
DAN291++ (any module) 1-3
DAN292++ Dance Conservatory III
DAN292++ (any module) 1-3

++Indicates any module.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
### Part III: Restricted Electives

The remaining credits from DAH- and DAN-prefixed courses should be selected as prescribed by the dance advisor. Only three of the remaining credits may be selected from the following DAN-prefixed courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN230</td>
<td>Musical Theatre Dance IV</td>
<td>1</td>
</tr>
<tr>
<td>DAN231</td>
<td>Ballet III</td>
<td>1</td>
</tr>
<tr>
<td>DAN231AA</td>
<td>Ballet III: Intensive</td>
<td>2</td>
</tr>
<tr>
<td>DAN232</td>
<td>Modern Dance III</td>
<td>1</td>
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<td>DAN233</td>
<td>Modern Jazz Dance III</td>
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<tr>
<td>DAN234</td>
<td>Ballet IV</td>
<td>1</td>
</tr>
<tr>
<td>DAN234AA</td>
<td>Ballet IV: Intensive</td>
<td>2</td>
</tr>
<tr>
<td>DAN235</td>
<td>Modern Dance IV</td>
<td>1</td>
</tr>
<tr>
<td>DAN236</td>
<td>Modern Jazz Dance IV</td>
<td>1</td>
</tr>
<tr>
<td>DAN237</td>
<td>Ballet Pointe I</td>
<td>1</td>
</tr>
<tr>
<td>DAN290++</td>
<td>Dance Conservatory I</td>
<td>1-3</td>
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<tr>
<td>DAN291++</td>
<td>Dance Conservatory II</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN292++</td>
<td>Dance Conservatory III</td>
<td>1-3</td>
</tr>
<tr>
<td>*DAN298++</td>
<td>Special Projects</td>
<td>1-3</td>
</tr>
</tbody>
</table>

++ Indicates any module.

*Selection of DAN298 courses to satisfy degree requirements should be done in consultation with a program advisor or faculty member as Special Projects courses do not currently transfer to any of the three Arizona state public universities.

### Associate in Arts, Fine Arts – Dance Total Credits

**64**

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**Associate in Arts, Fine Arts – Theatre (AAFA – Theatre) Degree**

**Description**

The Maricopa County Community College District Associate in Arts, Fine Arts – Theatre degree requires a minimum of 60-64 semester credits for the program of study. The degree includes the following components:

I. General Education:
   - Arizona General Education Curriculum for Arts (AGEC A)
   - MCCCD Additional Requirements

II. Fine Arts Requirements – Theatre

**Purpose of the Degree**

The Associate in Arts, Fine Arts – Theatre 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.
The semester credits used to satisfy the MCCCD Associate in Arts, Fine Arts – Theatre will apply to university graduation requirements of the university major for which the degree is designed. Information regarding the articulation of the degree with majors at the Arizona public universities can be accessed via the following website: http://az.transfer.org/cas/atass/student/modpath.html.

**Academic Policies that Govern the Associate in Arts, Fine Arts – Theatre Degree**

- Completion of the Associate in Arts, Fine Arts – Theatre or the AGEC A provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;
- The graduation policies within the general catalog must be satisfied for completion of the Associate in Arts, Fine Arts – Theatre degree;
- A minimum of 60 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;
- The General Education Requirements for AGEC A may be completed in 35 semester credits with the following stipulations:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area.
- General Education Courses can satisfy multiple areas within the degree simultaneously (AGEC A Core Area, AGEC Awareness Area, MCCCD Additional Requirements, or lower-division courses applicable to the major);
- Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;
- Courses completed at one of the Maricopa Community Colleges to meet AGEC A requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course’s evaluation and/or general education designation is valid for the term in which the student is awarded credit on the transcript. Use the Site Map to locate the list titled **MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S** for specific course information via the following website: http://www.maricopa.edu/academic/curric/;
- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;
- Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC A or Associate in Arts, Fine Arts – Theatre degree;
- Courses and their modular equivalents will satisfy AGEC A and Associate in Arts, Fine Arts – Theatre requirements;
- If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
Degree Requirements
The 60-64 semester credits required for the Associate in Arts, Fine Arts – Theatre follow. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/. This list identifies the courses in alphabetical order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematical Studies and Natural Sciences areas on the list and the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGEC.

I. MCCCD General Education
The MCCCD General Education includes two areas: MCCCD AGEC A and MCCCD Additional Requirements.

A. MCCCD AGEC A

1. Core Areas ................................................................. 35
   a. First-Year Composition (FYC) .................................... 6
   b. Literacy and Critical Inquiry [L] ................................. 3
      Select the following:
      THE220  Modern Drama  ......................... 3
   c. Mathematical Studies [MA/CS] ................................. 6
      To complete the Mathematical Studies requirement, select one course to satisfy Mathematics [MA] A and a second course from Computer/Statistics/Quantitative Applications [CS].
      1) Mathematics [MA] A (3 credits)
         Select a course in college mathematics or college algebra or precalculus or any other mathematics course for which college algebra is a prerequisite.
         AND
      2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
   d. Humanities and Fine Arts [HU] ................................. 6
      Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.
      Select the following:
      THE205  Introduction to Cinema  ......................... 3
   e. Social and Behavioral Sciences [SB] ........................... 6
      Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.
   f. Natural Sciences [SQ/SG] ........................................... 8
      To complete the Natural Sciences requirement: Select four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of eight (8) semester credits, OR eight (8) semester credits of [SQ]. Students cannot take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.
      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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
2. **Awareness Areas**

   Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
   AND
   Global Awareness [G] OR
   Historical Awareness [H]

3. **MCCCD Additional Requirements**

   Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the MCCCD Additional Requirements because courses can satisfy a Core Area and MCCCD Additional Requirements simultaneously. Therefore, no additional semester credits are required to satisfy Oral Communication and Critical Reading.

   a. **Oral Communication**
      
      A total of three (3) semester credits is required for Oral Communication. However, if students select a communication course that satisfies both the Oral Communication area and an area within the Core, then the Oral Communication requirement has been satisfied and additional electives may be taken.

      Select from the following options:
      
      COM100 [SB] (3 credits) OR
      COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
      COM110 [SB] (3 credits) OR
      COM110AA & COM110AB & COM110AC [SB] (3 credits) OR
      COM225 [L] (3 credits) OR
      COM230 [L] [SB] (3 credits)

   b. **Critical Reading**
      
      A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE101 and apply it to AGEC A Core Requirements or if the students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied.

      Select from the following options to complete 3 credits:
      
      CRE101 [L] (3 credits) OR
      equivalent as indicated by assessment

II. **Fine Arts Requirements – Theatre**

   A minimum of 25 credits is required to satisfy the Fine Arts Requirements – Theatre.

   **Foundations**
   
   Select the following:
   
   THE111 Introduction to Theatre ........... 3
   THP112 Acting I ...................... 3
   THP115 Theatre Makeup ................. 3
   THP201AA Theatre Production I OR
   THP201AB Theatre Production II ........ 1
   THP213 Introduction to Technical Theatre 3
Restricted Electives

Students may choose from the following courses to specialize in Acting, Technical Theatre, Teacher Education, or Cinema. Students should consult with the theatre advisor for the restricted electives recommended for each specialization track.

Select from the following options to complete a minimum of 12 semester credits:

- HUM206/ Introduction to Television
- THE206 Arts
- HUM210/ Contemporary
- THE210 Cinema
- THP120AA Audition Techniques: Monologue
- THP120AB Audition Techniques: Cold Readings
- THP130 Stage Combat OR THP131 Stage Movement
- THP210 Acting: TV/Film
- THP211 Creative Drama
- THP212 Acting II
- THP214 Directing Techniques
- THP216 Beginning Stage Lighting
- THP217 Introduction to Design Scenography
- THP219 Introduction to Puppetry
- THP267 Painting Techniques for Film, TV and Theatre
- THP271 Voice and Diction

Associate in Arts, Fine Arts – Theatre Total Credits

Associate in Science (AS) Degree

Description

The Maricopa County Community College District Associate in Science degree requires 60-64 semester credits for the program of study. The degree includes the following components:

I. General Education:
   - Arizona General Education Curriculum for Science (AGEC S)
   - MCCCD Additional Requirements

II. General Electives

Purpose of the Degree

The Associate in Science 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. The degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

The semester credits used to satisfy the MCCCD Associate in Science will apply to university graduation requirements of the university major for which the Associate in Science is designed. Information regarding the articulation of the Associate in Science with majors at the Arizona public universities can be accessed via the following website: http://az.transfer.org/cas/atass/student/modpath.html.

Academic Policies that Govern the Associate in Science Degree

• Completion of the Associate in Science or the AGEC S provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents;

• The graduation policies within the general catalog must be satisfied for completion of the Associate in Science degree;

• A minimum of 60 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better;

• The General Education Requirements for AGEC S may be completed in 36-38 semester credits with the following stipulations:

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
• A course cannot be used to satisfy more than one Core Area.
• A course can be used to satisfy the L and SB or L and HU requirements simultaneously in the Core area for the AGEC S.
• General Education Courses can satisfy multiple areas within the degree simultaneously (AGEC S Core Area, AGEC Awareness Area, MCCCD Additional Requirements, or lower-division courses applicable to the major);
• Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer;
• Courses completed at one of the Maricopa Community Colleges to meet AGEC S requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. The course’s evaluation and/or general education designation is valid for the term in which the student is awarded credit on the transcript. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/;
• Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor;
• Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC S or Associate in Science degree;
• Courses and their modular equivalents will satisfy AGEC S and Associate in Science requirements;
• If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

Degree Requirements
The 60-64 semester credits required for the Associate in Science follow. Use the Site Map to locate the list titled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website: http://www.maricopa.edu/academic/curric/. This list identifies the courses in alphabetical order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematical Studies and Natural Sciences areas on the list and the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGEC.

I. MCCCD General Education

Credits

The MCCCD General Education includes two areas: MCCCD AGEC S and MCCCD Additional Requirements.

A. MCCCD AGEC S

1. Core Areas .................................................. 36-38
   a. First-Year Composition (FYC) ............................................. 6
   b. Literacy and Critical Inquiry [L] ......................................... 0-3
Select a course that satisfies L (Literacy and Critical Inquiry) and SB (Social and Behavioral Sciences) OR L (Literacy and Critical Inquiry) and HU (Humanities and Fine Arts) requirements simultaneously.

c. Mathematical Studies [MA] .............................................. 4
   To complete the Mathematical Studies requirement, select one course to satisfy Mathematics [MA] S.

   1) Mathematics [MA] S (4 credits)
      Select a calculus course MAT220 or MAT221, OR any mathematics course for which MAT220 or MAT221 is a prerequisite, OR if pursuing a degree at ASU in Life Sciences select MAT251 Calculus for Life Sciences.

d. Humanities and Fine Arts [HU] ..................................... 6
   Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.

   Select a course that satisfies both L and HU requirements simultaneously.

e. Social and Behavioral Sciences [SB] ................................. 6
   Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.

   Select a course that satisfies both L and SB requirements simultaneously.

f. Natural Sciences .......................................................... 8
   To complete the Natural Sciences requirement:

      Select eight (8) semester credits of either general chemistry CHM151 & CHM151LL, and CHM152 & CHM152LL OR
      Eight (8) semester credits of university physics PHY115 & PHY116, or PHY121 & PHY131 OR
      Eight (8) semester credits of general biology BIO181 & BIO182 appropriate to the major.

f. Subject Options (subject based on major) ......................... 6-8
   Students completing AGEC S, through careful selection of courses that meet the other major or pre-requisite requirements for Science degree, will meet this requirement. Using a transfer guide, select courses from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geology, Physical Geography, Physics, Zoology.

2. Awareness Areas ............................................................ 0
   Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-six to thirty-eight semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
   AND
   Global Awareness [G] OR
   Historical Awareness [H]

3. MCCCD Additional Requirements ................................. 0-6
   Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-six to thirty-eight semester credits required in order to complete the MCCCD Additional Requirements.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
a. **Oral Communication**

A total of three (3) semester credits is required for Oral Communication. However, if students select a communication course that satisfies both the Oral Communication area and an area within the Core, then the Oral Communication requirement has been satisfied and additional electives may be taken.

Select from the following options:

- COM100 [SB] (3 credits) OR
- COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
- COM110 [SB] (3 credits) OR
- COM110AA & COM110AB & COM110AC [SB] (3 credits) OR
- COM225 [L] (3 credits) OR
- COM230 [L] [SB] (3 credits)

b. **Critical Reading**

A total of three (3) semester credits is required for the Critical Reading area. If students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied and additional electives may be taken.

- CRE101 [L] OR
- equivalent as indicated by assessment

II. **General Electives**

Select courses to complete a minimum of 60 semester credits but no more than a total of 64 semester credits.

For students who have decided on a major that articulates with the AS, but who are undecided on the university to which they will transfer, courses satisfying the General Electives area should be selected from the list of Common Courses, Arizona Transfer Pathway Guides, and/or University Transfer Guides in order for the courses to apply in the major upon transfer.

The list of Common Courses for each major is included in the Arizona Transfer Pathway Guides. University Transfer Guides are also available for the Arizona public universities. These guides, both statewide and institutional, are accessible on the following web site: http://az.transfer.org/cas/students/transfer_guides.htm.

Students must select MCCCD courses that are acceptable as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona CEG within the AZCAS. For appropriate course selection, students should consult with an advisor.

For some majors, students must demonstrate 4th semester proficiency at the 202 course level to satisfy the Non-English Language Requirements. Students should consult the Arizona Transfer Pathway Guides and/or the University Transfer Guides to determine this requirement for the major at the university to which they intend to transfer. If required, it is recommended that students choose MCCCD courses as electives to meet this requirement as part of the Associate in Science degree.

Students who are undecided on a major or university should consult an advisor. Not all majors have common courses, so it is recommended that students consult with an advisor for a list of Common Courses or assistance with selecting appropriate electives.

**Associate in Science Total Credits** ................................................................. 60-64
**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 total of 62–63 semester credits for the program of study. The degree has three major components:

I. MCCCD General Education, which includes Arizona General Education Curriculum for Business (AGEC B),

II. Common Lower Division Program Requirements,

III. General Electives.

**Purpose of the Degree**
The ABUS GR degree is designed for students who plan to transfer to Arizona’s public universities into majors that articulate with the Associate in Business, General Requirements pathway and for students who plan to complete lower division coursework toward a baccalaureate program at other degree granting institutions. All business majors except Accountancy and Computer Information Systems should follow the ABUS GR pathway. Accountancy majors should follow the Transfer Guide (TG-XR) pathway. Computer Information Systems majors should follow the Associate in Business, Special Requirements pathway.

The degree transfers as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements. All semester credits used to satisfy the MCCCD Associate in Business, General Requirements will apply to university graduation requirements of the university major for which the ABUS GR was designed, regardless of whether the credit was awarded for completion of coursework or for prior learning. For additional information on credit awarded for prior learning assessment, see the policy on Credit for Prior Learning in the general catalog.

**Academic Policies that Govern the Associate in Business, General Requirements Degree**
- Requires 62–63 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better;
- Uses the following policies to help students complete the required Core and Awareness Areas in AGEC B without exceeding the 35 semester credits:
  1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
  2. A course cannot be used to satisfy more than one Core Area requirement.
- Uses the following policy to help students complete the program requirements at a minimum of 62 semester credits but not more than 63 semester credits:
  Courses can satisfy multiple areas within the degree simultaneously (AGEC B Core Area, AGEC B Awareness Area, and/or Common Lower Division Program Requirements)
- Follows the general education policy below:

**General Education Designations (Example: (FYC), [SB], [HU], etc.)**
Effective Fall 2000 the course evaluation and/or general education designation as listed in the Arizona CEG (Course Equivalency Guide) within the Arizona Course Applicability System (AZCAS) is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Given that curriculum is dynamic at both MCCCD and the institutions to which MCCCD students transfer, students have the option to petition for general education evaluations and/or general education designations.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• Requires courses that transfer as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS). The course evaluation and/or general education designation as listed in AZCAS is valid for the term in which the student is awarded credit on the transcript;

• Follows the graduation policies within the general catalog;

• Includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Associate in Business, General Requirements;

• Accepts one of the courses that is cross-referenced with other courses;

• Provides for exemption from Arizona university admission requirements for students who complete the ABus GR degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

Degree Requirements
The 62-63 semester credits required for the Associate in Business, General Requirements follow. See the list entitled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S for specific course information via the following website:

http://www.maricopa.edu/academic/curric/

- Select tab labeled Curriculum Procedures Handbook-Programs.
- Select Academic Programs.
- Select Matrix of MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S.

The list identifies the courses in alphabetical order by prefix as well as the different Core Areas and Awareness Areas where the course will apply. When selecting Mathematical Studies and Natural Sciences options, select from the appropriate AGEC A, B, or S list.

I. MCCCD General Education

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. MCCCD AGEC B</td>
</tr>
<tr>
<td>1. Core Areas</td>
</tr>
<tr>
<td>a. First-Year Composition (FYC)</td>
</tr>
<tr>
<td>b. Literacy and Critical Inquiry [L]</td>
</tr>
<tr>
<td>c. Mathematical Studies [MA/CS]</td>
</tr>
<tr>
<td>To complete the Mathematical Studies requirement select one course to satisfy Mathematics [MA] B and a second course from Computer/Statistics/Quantitative Applications [CS].</td>
</tr>
<tr>
<td>1) Mathematics [MA] B (3 credits) MAT212, brief calculus, or a higher level mathematics course AND</td>
</tr>
<tr>
<td>2) Computers/Statistics/Quantitative Applications [CS] (3 credits) NOTE: Students are encouraged to select GBS221 or CIS105 to satisfy [CS].</td>
</tr>
<tr>
<td>d. Humanities and Fine Arts [HU]</td>
</tr>
<tr>
<td>Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.</td>
</tr>
<tr>
<td>e. Social and Behavioral Sciences [SB]</td>
</tr>
<tr>
<td>Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.</td>
</tr>
</tbody>
</table>
f. Natural Sciences [SQ/SG] .................................................. 8

To complete the Natural Sciences requirement: Select four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of (8) semester credits, OR eight (8) semester credits of [SQ]. Students cannot take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

2. Awareness Areas. .................................................................... 0

Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to comequivalencies.

2. Awareness Areas. .................................................................... 0

Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
AND
Global Awareness [G] OR
Historical Awareness [H]

II. Common Lower Division Program Requirements: .......................... 27-28

A total of 27-28 credits is required to satisfy the Common Lower Division Program Requirements. However, if students select courses that simultaneously satisfy multiple areas of the degree, then the number of semester credits required for Common Lower Division Program Requirements is reduced. Additional semester credits may be required in General Electives to complete the minimum 62-63 total program semester credits.

Complete the following

Accounting:
*ACC111 & ACC230 & ACC240
OR
**ACC211 & ACC212. .................................................. 6-7

NOTE: *MCCCD ACC250 or ACC211 may be taken in lieu of ACC111. **MCCCD ACC111 and ACC112 together are equivalent to ACC211.

ECN211 [SB] .................................................. 3
ECN212 [SB] .................................................. 3
GBS205 .................................................. 3
GBS220 or MAT217 or MAT218 [MA] .............. 3
GBS221 [CS] .................................................. 3

Business Elective .................................................. 6
Select from the following options:
*ACC111, ACC230, ACC240

CIS114DE Excel Spreadsheet
CIS133DA Internet/WebDevelopment I
CIS159 [CS] Visual Basic Programming I
CIS162AD [CS] C#: Level 1
CIS163AA Java Programming: Level I
GBS151 Introduction to Business
GBS233 [L] Business Communication
GBS110 Human Relations in Business
and Industry OR
MGT251 Human Relations in Business
MGT253 Owning and Operating a Small Business
REA179 Real Estate Principles I
REA180 Real Estate Principles II

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
III. General Electives
Select courses to complete a minimum of 62 semester credits but no more than a total of 63 semester credits. General Electives semester credits may be necessary if courses selected for the degree satisfy multiple areas. For appropriate course selection, students should consult an advisor.

Students must select courses that are acceptable as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS). For appropriate course selection, students should consult with an advisor.

Associate in Business, General Requirements Total Credits ............................................. 62-63

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 total of 62-63 semester credits for the program of study. The degree has three major components:

I. MCCCD General Education which includes the Arizona General Education Curriculum for Business (AGEC B),
II. Common Lower Division Program Requirements,
III. General Electives.

Purpose of the Degree
The ABUS SR degree is designed for Computer Information Systems majors who plan to transfer to Arizona’s public universities and for students who plan to complete lower division coursework toward a baccalaureate program at other degree-granting institutions. Currently the pathway for accountancy majors is a Transfer Guide Pathway (TG-XR). The Associate in Business, General Requirements (ABUS GR) is designed for all other business majors. Additional information on academic majors at the Arizona public universities can be accessed via the following web site:

http://az.transfer.org/cas/atass/

• Click on Student Information.
• Select Degrees and Pathways.
• Follow Degree Program Query Engine instructions.

The Associate in Business, Special Requirements transfers as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements. All semester credits used to satisfy the MCCCD Associate in Business, Special Requirements will apply to university graduation requirements of the university major for which the ABUS SR was designed, regardless of whether the credit was awarded for completion of coursework or for prior learning. For additional information on credit awarded for prior learning assessment, see the policy on Credit for Prior Learning in the general catalog.

Academic Policies that Govern the Associate in Business, Special Requirements Degree

• Requires 62-63 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better;
• Uses the following policies to help students complete the required Core and Awareness Areas in AGEC B without exceeding the 35 semester credits:
1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.

2. A course cannot be used to satisfy more than one Core Area requirement.

- Uses the following policy to help students complete the program requirements at a minimum of 62 semester credits but not more than 63 semester credits:

  Courses can satisfy multiple areas within the degree simultaneously (AGEC B Core Area, AGEC B Awareness Area, and/or Common Lower Division Program Requirements).

- Follows the general education policy below:

  **General Education Designations (Example: (FYC), [SB], [HU], etc.)**

  Effective Fall 2000 the course evaluation and/or general education designation, as listed in the Arizona CEG (Course Equivalency Guide) within the Arizona Course Applicability System (AZCAS) is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Given that curriculum is dynamic at both MCCCD and the institutions to which MCCCD students transfer, students have the option to petition for course evaluations and/or general education designations.

- Requires courses that transfer as an equivalent course, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Course Equivalency Guide (CEG). The course evaluation and/or general education designation as listed in AZCAS is valid for the term in which the student is awarded credit on the transcript.

- Follows the graduation policies within the general catalog:

- Includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Associate in Business, Special Requirements.

- Accepts one of the courses that is cross-referenced with other courses;

- Provides for exemption from Arizona university admission requirements for students who complete the ABUS SR degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

**Degree Requirements**

The 62-63 semester credits required for the Associate in Business Special Requirements follow. See the list entitled *MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S* for specific course information via the following website:

http://www.maricopa.edu/academic/curric/

- Select tab labeled Curriculum Procedures Handbook-Programs.
- Select Academic Programs.
- Select Matrix of MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B, and/or AGEC S.

The list identifies the courses in alphabetical order by prefix as well as the different Core Areas and Awareness Areas where the course will apply. When selecting Mathematical Studies and Natural Sciences options, select from the appropriate AGEC A, B, or S list.

I. **MCCCD General Education**

   **Credits**

   **MCCCD AGEC B**

   1. **Core Areas** .......................................................... 35
      
      a. **First-Year Composition (FYC)** .................................................. 6
      
      b. **Literacy and Critical Inquiry [L]** .................................................. 3
      
      c. **Mathematical Studies [MA/CS]** .................................................. 6

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
To complete the Mathematical Studies requirement select one course to satisfy the Mathematics [MA] B and a second course from Computer/Statistics/Quantitative Applications [CS].

1) Mathematics [MA] B (3 credits)
   MAT212, brief calculus, or a higher level mathematics course
   AND
2) Computer/Statistics/Quantitative Applications [CS]
   NOTE: Students are encouraged to select GBS221 or CIS105 to satisfy [CS].

d. **Humanities and Fine Arts [HU]** ......................................................... 6
   Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.

e. **Social and Behavioral Sciences [SB]** ................................. 6
   Students are encouraged to choose coursework from more than one discipline for a total of six semester credits.

f. **Natural Sciences [SQ/SG]** ......................................................... 8
   To complete the Natural Sciences requirement: Select four (4) semester credits of [SQ] and four (4) semester credits of [SG] for a total of eight (8) semester credits, OR eight (8) semester credits of [SQ]. Students cannot take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

   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. Students should also access the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) for information on equivalencies.

2. **Awareness Areas** ................................................................. 0
   Students must satisfy two Awareness Areas: Cultural Diversity in the United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed thirty-five semester credits to complete the Awareness Areas because courses can satisfy a Core Area 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]
   AND
   Global Awareness [G] OR
   Historical Awareness [H]
II. Common Lower Division Program Requirements ........................................ 27-28

A total of 27-28 credits is required for the Common Lower Division Program Requirements.

Complete the following:

Accounting:
*ACC111 & ACC230 & ACC240
OR
**ACC211 & ACC212 .......................... 6-7

NOTE: *MCCCD ACC250 or ACC211 may be taken in lieu of ACC111. **MCCCD ACC111 and
ACC112 together are equivalent to ACC211.

CIS162AD [CS] ............................ 3
CIS250 ........................................ 3
GBS205 ........................................ 3
GBS220 or MAT217 or MAT218 [MA] .... 3
GBS221 [CS] ................................ 3
ECN211 [SB] ................................. 3
ECN212 [SB] ................................. 3

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

Select courses to complete a minimum of 62 semester credits but no more than a total of 63 semester
credits for the program. General Electives semester credits may be necessary if courses selected for
the degree satisfy multiple areas. For appropriate course selection, students should consult an advisor.

Students must select courses that are acceptable as an equivalent course, departmental elective credit
(XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to
the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System
(AZCAS). For appropriate course selection, students should consult with an advisor.

Associate in Business, Special Requirements Total Credits ............................... 62-63

Associate in Transfer Partnership (ATP) Degree

Purpose of the Degree
The Maricopa County Community College District Associate in Transfer Partnership (ATP) degree is
designed to meet the needs of the Maricopa Community College students transferring to public and private
colleges and universities. This degree is developed specifically for students who have an identified major and
have selected the baccalaureate degree-granting institution to which they intend to transfer.

The Associate in Transfer Partnership degree is an articulated academic program of study established among
the student, the accredited baccalaureate degree-granting institution selected by the student, and the primary
Maricopa Community College the student attends. The program of study will "parallel" the student’s four-
year degree as designated by the baccalaureate degree-granting institution. That is, the courses and number of
credit hours in the degree will consist of the Freshman and Sophomore lower division course degree require-
ments of the major as jointly planned and agreed on with the community college and the accredited institu-
tion to which the student plans to transfer.

The ATP degree requires a core of general education credits in the following general education categories:
First-Year Composition (6 credits); Mathematics (3 credits); Natural Sciences (4 credits); and Humanities
and Fine Arts/Social and Behavioral Sciences or related area general education requirements (6 credits). Also
included in the ATP degree are the general education and major requirements to meet the lower division
requirements of the major at the baccalaureate degree-granting institution. The ATP degree must consist of at
least a minimum of 60 credit hours. The ATP degrees are accessible on the following web site:
http://www.maricopa.edu/academic/curric/.

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
Exemption From Arizona University Admission Requirements
The Associate in Transfer Partnership degree provides for exemption from Arizona university admission requirements for students who complete the degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

The ATP degree does not assure admission to the specific program at the baccalaureate degree-granting institution. Students participating in the ATP degree will be treated as “native” students by the upper division institution in terms of course evaluation and course changes.

Advising is a critical element of the transfer partnership degree, and students must work closely with a community college academic advisor prior to entering into a transfer partnership agreement. Once a transfer partnership agreement has been initiated by the student, approved and signed off by a community college academic advisor and university authorized official, the student is responsible for periodic meetings with the community college advisor and, if/when determined necessary, with the appropriate baccalaureate degree-granting institution academic advisor. Upon completion of 36 hours, the student must receive formal advising at a Maricopa Community College before the remainder of their classes can be scheduled.

ELEMENTS OF THE ASSOCIATE IN TRANSFER PARTNERSHIP (ATP) DEGREE

<table>
<thead>
<tr>
<th>Element</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCCCD General Education Core</td>
<td>19</td>
</tr>
<tr>
<td>Approved Lower Division Transfer Courses</td>
<td>Variable</td>
</tr>
<tr>
<td>(Major dependent with maximum to be determined by receiving baccalaureate degree-granting institution)</td>
<td></td>
</tr>
<tr>
<td>Associate in Transfer Partnership Degree Total Hours</td>
<td>60 minimum</td>
</tr>
</tbody>
</table>

The Associate in Transfer Partnership (ATP) degrees may not be available at all the MCCD Colleges.

Associate in Transfer Partnership degrees are available in the following areas. Other ATP degrees may be added later depending on curricular needs. ATP information may be accessed via the following website: http://www.maricopa.edu/academic/curric/atp.php.

- Accountancy
- Computer Information Systems
- Early Childhood Teacher Education
- Elementary Education
- Exercise and Wellness
- General Business
- Global Business
- Human Nutrition
- Justice Studies
- K-12 Classroom Instructional Support
- Kinesiology
- Molecular Biosciences/Biotechnology
- Psychology
- Recreation (varios emphasis)
- Social Work
Associate in General Studies (AGS) Degree

Description
The Maricopa County Community College District Associate in General Studies (AGS) degree is recommended for students whose educational goals require flexibility. The AGS allows students to choose any elective courses numbered 100 or above to complete the degree. Therefore, this degree may be less appropriate for students who intend to transfer to a baccalaureate-granting institution.

Students who demonstrate skills comparable to those in Critical Reading and/or Mathematics and/or Computer Usage may substitute acceptable elective courses to satisfy the total credits required for the degree.

Academic Policies That Govern the Associate in General Studies Degree
• Requires a minimum of 60 semester credits in courses numbered 100 and above;
• AGS 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;
• Requires grades as listed for specific areas such as the General Education Core where a minimum grade of “C” is required. Courses applied to other areas may be completed with a minimum grade of “D;”
• Uses the following policies for course(s) satisfying multiple program areas:
  1. A course can simultaneously satisfy one Core Area and one Distribution Area. Courses that meet this criterion are bold print and underscored in the Core Areas and Distribution Areas.
  2. A course cannot satisfy more than one Core Area, even if it is approved for more than one Core Area.
  3. A course cannot satisfy more than one Distribution Area, even if it is approved for more than one Distribution Area.
• Follows the graduation policies within the general catalog;
• Includes both courses and their modular equivalents; either the course or the modular equivalents will satisfy the Associate in General Studies;
• Accepts one of the courses that is cross-referenced with other courses;
• Provides for exemption from Arizona university admission requirements for students who complete the Associate in General Studies degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

Degree Requirements
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/Equivalent as indicated by assessment.
• Mathematics (3 credits)
  GBS General Business 220

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• 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 115/115AA/115AB/115BA/115BB
177/177AA/177AB/any 180 modules/183/183AA/183AB/183AC/283/283AA/283AB/283AC/289/
289AA/289AB/289AC
AGB Agribusiness 139
AJS Administration of Justice Studies 117/119/205
ARC Architecture 243/244/245
ART Art 100/169/170/170AA/170AB/173/173AA/173AB/173AC/175/175AA/175AB/177/
177AA/177AB/179/179AA/179AB/any 180 module/183/183AA/183AB/183AC/283/
283AA/283AB/283AC/289/289AA/289AB/289AC
BIO Biology 110/219
BPC Business-Personal Computers Any BPC Course(s)
CFS Child/Family Studies 180
CIS Computer Information Systems Any CIS Course(s) (except 163AA, 169, 259)
CSC Computer Science Any CSC Course(s) (except 183)
CTR Court Reporting 101/102
DFT Drafting Technology 103/105/any 105 module/150/251/any 251 module/253/
any 253 module/any 254 module/any 256 module
ECE Engineering Science 102/102AA/103/103AB/139
ECH Early Childhood Education 238
EEE Electrical Engineering 120
ELE Electronic 115/131/150/181/241/243/245/281
ENG English 100AE
FON Food & Nutrition 100/100AA/100AC/100AD/140BC
GPH Physical Geography 219/220
HRM Hotel Restaurant Management 126
JAS Justice and Government Agencies Admin 225
JRN Journalism 133
LAS Paralegal Studies 229
LBT Library Technology 106
MAT Mathematics 206
MET Manufacturing Technology 105AA/140/264
MTC Music Theory/Composition 191
NET Networking Technology 181/181AA/181AB/247
OAS Office Automation Systems 111AA/111AB/113/113AA&113AB/119/130/any 130 module/
any 135 module/any 235 module
PSY Psychology 230
QCT Quality Control Technology 274
SBS Small Business 211
SMT Semiconductor Manufacturing Technology 131/131AA/131AB/150
SWU Social Work 225
TCM Telecommunications 106
TVL Travel Agent Technology 203/205
VPT Video Production Technology 106

GENERAL EDUCATION DISTRIBUTION AREAS (28-29 credits)

• Humanities and Fine Arts (9 credits)
Students are encouraged to choose courses from more than one discipline. Select nine (9) credits from the following:
D E G R E E  R E Q U I R E M E N T S

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.

AIS  American Indian Studies 213
AJS  Administration of Justice Studies 123
ARH  Art Humanities Any ARH Course(s)
ASB  Anthropology 211/220/222/223
COM  Communication 241
DAH  Dance Humanities 201
EDU  Education 291/292/294
ENG  English 200
ENH  English Humanities Any ENH Course(s)
FRE  French 265
HCR  Health Care Related 210
HIS  History 101/102/103/109/111/243/253
HUM  Humanities Any HUM course(s)/HUM108* (EXCEPT 203/207)
INT  Interior Design 105/115/120/225
LAT  Latin 201/202
MHL  Music: History/Literature 140/143/145/146/153/155
PHI  Philosophy Any PHI Course(s) (EXCEPT 113)
REL  Religious Studies Any REL Course(s)
SPA  Spanish 241/242/265/266
SPH  Spanish Humanities 245
STO  Storytelling 292/294
SWU  Social Work 102/171/258/292
THE  Theater 111/205/206/210/260
THP  Theater Performance/Production 241
WST  Women's Studies 209/284/285/290

• Social and Behavioral Sciences (9 credits)
Students are encouraged to choose courses from more than one discipline.

AIS  American Indian Studies 101/140/141/160/170
AFR  African American Studies 202/203/204
AJS  Administration of Justice Studies 101/119/200/225/258/259/270
ASB  Anthropology 100/102/202/211/214/222/223/230/235/238/245
ASM  Anthropology 104
CFS  Child/Family Studies 157/159/176/205/259
COM  Communication 100/100AA&100AB&100AC/110/110AA&110AB&110AC/230/250/263
ECH  Early Childhood Education 176
ECN  Economics Any ECN Course(s)
EDU  Education 221/222
EMT  Emergency Medical Technology 258
FSC  Fire Science 258
FUS  Future Studies 101
GBS  General Business 280
GCU  Cultural Geography 102/121/122/141/221/223/253
HES  Health Science 100
HIS  History Any HIS Course(s)
IBS  International Business 109
MCO  Mass Communications 120
PHI  Philosophy 243
POS  Political Science Any POS Course(s)
REC  Recreation 120/160
REL  Religious Studies 243/250
SBU  Society and Business 200
SOC  Sociology Any SOC Course(s) (EXCEPT 242)

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
SWU  Social Work 102/171/258/292
TEC  Textiles and Clothing 106
WED  Wellness Education 100/110
WST  Women's Studies 100/105/110/120/160/161
YAQ  Yaqui Indian History & Culture 100

- **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 164/183
  - ASB  Anthropology 231
  - ASM  Anthropology 104
  - AST  Astronomy 101/102/111/112/113/114
  - FON  Food and Nutrition 241/241LL
  - FOR  Forensic Science 105/106
  - GLG  Geology Any GLG Course(s)
  - GPH  Physical Geography 111/112/113/210/211/212/213/214/215
  - ISS  Interdisciplinary Science Studies 111/112
  - PHS  Physical Science 110/120
  - PSY  Psychology 290AB/290AC

- **Literacy & Critical Inquiry (3 credits)**
  - AIS  American Indian Studies 213
  - COM  Communication 222/225/241
  - CRE  Critical Reading 101
  - DAH  Dance Humanities 201
  - ENG  English 111/200/213/215/216/217/218
  - ENH  English Humanities 254/255
  - FON  Food & Nutrition 206
  - GBS  General Business 233
  - GPH  Physical Geography 211
  - HCR  Health Care Related 220
  - HUM  Humanities 250/251
  - IFS  Information Studies 101
  - IGS  Integrated Studies 290AA&290AB/291/293
  - JRN  Journalism 201/212/234
  - MCO  Mass Communications 220
  - MHL  Music: History/Literature 140
  - PHI  Philosophy 103/106/225
  - POS  Political Science 115
  - PSY  Psychology 290AB/290AC
  - REL  Religious Studies 101/203/205/225
  - THE  Theater 220
  - THP  Theater Performance/Production 241

- **Elective Courses (15-16 credits)**
  May select courses from prefixes already chosen for General Education Distribution requirements in order to develop depth in one or more subject areas.
Associate in Applied Science (AAS) Degree, General Education Requirements

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 by completing an occupational program presented in the college catalog. Students should consult this catalog to determine specific program requirements.

Academic Policies that Govern the Associate in Applied Science 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;
- Requires grades as listed for specific areas such as the General Education Core where a minimum grade of “C” is required. See specific AAS occupational degree for specific program grade requirements;
- Follows the graduation policies within the general catalog;
- Includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Associate in Applied Science requirements;
- Requires at least 12 semester credit hours earned at the college awarding the AAS degree. The 12 hours in the AAS degree curricula may be in the Required Courses area and/or Restricted Electives area. Courses from the General Education Core and Distribution Areas are excluded.

Shared programs are programs offered at multiple colleges but not available at all colleges. The requirements are identical at all the colleges offering the program.

A shared program requires a minimum of six credit hours from the total program requirements to be completed with a grade of “C” or better at the college awarding the certificate or degree. The exception is the Nursing program. For those shared programs with less than six credit hours, the total hours for the program must be completed at the college awarding the certificate. The minimum of six credit hours in the certificate or degree curricula may be in the Required Courses area and/or the Restricted Electives area. Courses from the General Education Core and Distribution Areas are excluded.

Students must apply for graduation from the college where they have successfully completed Block 4 of the Associate in Applied Science in Nursing.
- 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;
- Provides for exemption from Arizona university admission requirements for students who complete the Associate in Applied Science (AAS) degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.
GENERAL EDUCATION CORE (15 credits – grade of “C” or better.)
Demonstrate college-level skills in the following areas:

- **First-Year Composition (6 credits)**
  ENG  English [101/107] & [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 101/111/Equivalent as indicated by assessment.

- **Mathematics (3 credits)**
  GBS  General Business 220

GENERAL EDUCATION DISTRIBUTION AREAS (9-10 credits)

- **Humanities and Fine Arts (2-3 credits)**
  Students are encouraged to choose courses from more than one discipline.
  AIS  American Indian Studies 213
  AJS  Administration of Justice Studies 123
  ARH  Art Humanities Any ARH Course(s)
  ASB  Anthropology 211/220/222/223
  COM  Communication 241
  DAH  Dance Humanities 201
  EDU  Education 291/292/294
  ENG  English 200
  ENH  English Humanities Any ENH Course(s)
  FRE  French 265
  HCR  Health Care Related 210
  HIS  History 101/102/103/111/112/243/253
  HUM  Humanities Any HUM Course(s)/HUM108* (EXCEPT 203/207)
  INT  Interior Design 115/120/225
  LAT  Latin 201/202
  MHL  Music: History/Literature 140/143/145/146/153/155
  PHI  Philosophy Any PHI Course(s) (EXCEPT 113)
  REL  Religious Studies Any REL Course(s)
  SPA  Spanish 241/242/265/266
  SPH  Spanish Humanities 245
  STO  Storytelling 292/294
  THE  Theater 111/205/206/210/260
  THP  Theater Performance/Production 241
  WST  Women’s Studies 209/284/285/290

- **Social and Behavioral Sciences (3 credits)**
  Students are encouraged to choose courses from more than one discipline.
  AIS  American Indian Studies 101/140/141/160/170
  AFR  African American Studies 202/203/204
  AJS  Administration of Justice Studies 101/200/258/259/270
  ASB  Anthropology 100/102/202/211/214/222/223/230/235/238/245
  ASM  Anthropology 104
  CFS  Child/Family Studies 157/159/176/205/259
  COM  Communication 100/100AA & 100AB & 100AC/110/110AA & 110AB & 110AC/230/263

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
ECH Early Childhood Education 176
ECN Economics Any ECN Course(s)
EDU Education 221/222
EMT Emergency Medical Technology 258
FSC Fire Science Technology 258
FUS Future Studies 101
GBS General Business 280
GCU Cultural Geography 102/121/122/141/221/223/253
HES Health Science 100
HIS History Any HIS Course(s) (except 111)
IBS International Business 109
MCO Mass Communications 120
PHI Philosophy 243
POS Political Science Any POS Course(s)
REC Recreation 120/160
REL Religious Studies 243/250
SBU Society and Business 200
SOC Sociology Any SOC Course(s) (EXCEPT 242)
SWU Social Work 102/171/258/292
TEC Textiles and Clothing 106
WED Wellness Education 100/110
WST Women’s Studies 100/105/110/120/160/161
YAQ Yaqui Indian History & 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
ASB Anthropology 231
ASM Anthropology 104
AST Astronomy 101/102/111/112/113/114
FON Food and Nutrition 241/241LL
FOR Forensic Science 105/106
GLG Geology Any GLG Course(s) (EXCEPT 140/251MC/275)
GPH Physical Geography 111/112/113/212/213/214/215
ISS Interdisciplinary Science Studies 111/112
PHS Physical Science 110/120
PHY Physics 101/101AA/111/111AA/112/115/116/121/131/252
PSY Psychology 290AB/290AC

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
Academic Certificate

Purpose of the Academic Certificate (area of emphasis)
The Maricopa Community College District Academic Certificate (area of emphasis) is a defined and coherent program of study that is recommended for students who wish to gain additional expertise in an academic area. While this program of study can result in proficiency in specified skills and competencies, as well as mastery of knowledge, it is not designed to prepare someone for employment in a specific occupation. The content for an Academic Certificate (area of emphasis) may be derived from a variety of disciplines or it can be discipline specific. The Academic Certificate does not require a general studies component even though requirements of the certificate may include courses that currently meet specific general studies designations such as Humanities and Fine Arts, Social and Behavioral Sciences, etc.

Academic Policies that Govern the Academic Certificate (area of emphasis)

- Generally ranges from 12-39 credit hours in courses numbered 100 or above, although there is no minimum number of credit hours required for an Academic Certificate;
- Requires a cumulative GPA of 2.0 or better for completion;
- Follows the graduation policies within the general catalog;
- Accepts one of the courses that is cross-referenced with other courses;
- Includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Academic Certificate requirements;
- Does not presume block transfer value. Consequently, in most cases the Academic Certificate should not be a subset of an existing transfer degree;
- May have admission criteria established by the college if and when appropriate;
- Is for the most part college specific.
Teacher Education: Maricopa Community College District-Wide Offerings

In direct response to the ever growing need for highly qualified P-12 teachers and in support of the many communities it serves, the Maricopa Community College District has made a strong commitment to contributing to the recruitment and training of early childhood, elementary, secondary, and special education school teachers. With quality curriculum and excellent instruction as the primary focus of its faculty, the Maricopa colleges are well positioned to provide state and national leadership in the quality and nature of instruction thus helping students to become excellent teachers through the offering of current and responsive teacher education coursework.

The District also supports professional development for certified teachers through the offering of coursework, seminars, workshops and specialized training. This includes Bilingual Education, Computer Science, English as a Second Language (ESL), Math Specialist, Middle School, Reading Specialist, and Structured English Immersion (SEI).

In support of this commitment, the Maricopa Community College District offers teacher education coursework, degrees, and/or programs at all 10 Maricopa Colleges.*

Teacher Education Options Available to Students

Instructional Aide/Associate/Paraprofessional Preparation

- **Associate in Arts in Elementary Education (AAEE):** designed for the student who plans to transfer to an Elementary Education, Special Education, Early Childhood Education or Multicultural/Multilingual program at any partner institution and/or who plans to become a classroom instructional aide. The degree transfers as a block without loss of credit to Arizona’s public universities. (Offered at all 10 Maricopa Community Colleges)

- **Associate in Applied Science (AAS) in Teacher Assisting:** prepares students for employment as an assistant to the classroom teacher in grades K-12. It provides foundation work, which will allow the aide to pursue a higher degree in the field of education. (Offered at EMCC & GWCC)

- **Associate of Applied Science (AAS) in Instructional Assistance:** prepares students to work as instructional assistants. The program emphasizes the philosophical, cultural, and linguistic processes involved in teaching children. Students develop knowledge and skills required of the instructional assistant through a combination of courses in methodology and practicum experience (Offered at MCC & PC)

- **Associate in Transfer Partnership (ATP) in K-12 Classroom Instructional Support:** designed for students planning on becoming an Instructional Associate/Paraprofessional in K-12. Transfers as a block without loss of credit to Charter Oak State College. (Offered at RSC)

- **Certificate of Completion (CCL) in Instructional Assistance:** provides coursework which focuses on meeting the educational needs of learners. All Certificate Program requirements can be used toward completion of the Instructional assistance AAS Program. (Offered at MCC & PC)

Elementary Education Teacher Preparation

- **Associate in Arts in Elementary Education (AAEE):** designed for the student who plans to transfer to an Elementary Education, Special Education, Early Childhood Education or Multicultural/Multilingual program at any partner institution and/or who plans to become a classroom instructional aide. The degree transfers as a block without loss of credit to Arizona’s public universities. (Offered at all 10 Maricopa Community Colleges)

- **Associate in Transfer Partnership (ATP) in Elementary Education:** designed for students planning to transfer into Elementary Education at Arizona State University at the West Campus. Transfers as a block without loss of credit. (Offered at all 10 Maricopa Community Colleges)
Elementary and Special Education Teacher Preparation

- **Associate in Arts in Elementary Education (AAEE):** designed for the student who plans to transfer to an Elementary Education program and Special Education at any partner institution and/or who plans to become a classroom instructional aide. The degree transfers as a block without loss of credit to Arizona’s public universities. (Offered at all 10 Maricopa Community Colleges)

Elementary, Secondary and Special Education Teacher Preparation

- **Baccalaureate Partnership Program with Northcentral University:** designed for students in elementary, secondary, and special education who will transfer to Northcentral University after completing 90 credits at the community college. (Offered at RSC)

- **Aztec/Education:** housed in the Office of Program Articulation, this program assists and supports students throughout the first two years of their bachelor’s degree in elementary, secondary, or special education. (Offered at GCC)

- **Dynamic Learning Teacher Education Program:** a four-semester cohort model designed to prepare future teachers to transform inner city schools. It is based on current research on teaching and learning and utilizes a team-taught interdisciplinary curriculum with strong partnerships with community schools and Arizona State University. (Offered at SMCC)

- **inspire.teach:** a program that supports and encourages the choice of teaching as a profession. It reflects a commitment among secondary, community college, and university partners to inspire students from under-represented groups to explore, pursue and excel in teaching careers. (Offered at EMCC)

- **The Teacher Connection:** designed to identify, connect, and support individuals as they work toward careers in teaching. It reflects a commitment among Cave Creek Unified School District, Paradise Valley Unified School District, Paradise Valley Community College, and ASU West’s College of Education to inspire a diverse population of students to explore, pursue, and excel in teaching careers. (Offered at PVCC)

- **Teaching and Learning Communities (TLC) Education Program:** a student support program structured in a 4-semester plan with courses selected to enhance students’ knowledge of teaching as a career and to prepare for certification. (Offered at MCC)

- **Teachers Today and Tomorrow (13):** this two-semester interdisciplinary learning community combines English, Education, and Technology. After two semesters, education courses along with technology courses designed for teacher education majors complement the general education courses required for university transfer. (Offered at CGCC, Pecos Campus)

- **General Studies and Subject Matter Courses:** designed to fulfill lower division general education requirements for students planning to transfer to public or private community colleges or universities. (Offered at all Maricopa Community Colleges)

- **Post Baccalaureate Teacher Prep Programs:** prepares students with a baccalaureate degree to become a certified Elementary (K-8), Secondary (7-12), or Special Education (K-12) teacher. The programs are approved by the Arizona Department of Education. (All programs offered online at RSC; elementary (K-8) offered on campus at SCC).

- **Urban Teacher Corps:** a teacher development program that supports urban classified school district employees in Phoenix to successfully complete a bachelor’s degree in Education and return to their school districts as teachers. After completion of lower division courses, UTC participants transfer to the initial Teacher Certification program at Arizona State University, Tempe. (Offered at PC)

Master’s Degree Partnerships for Students Who Complete the Rio Salado College and Scottsdale Community College Teacher Prep Programs

- **Master’s Degree Partnership with North Central University:** 18 credits of the post baccalaureate teacher prep program can be applied toward the 36 credits required for an online MS in Education Degree. (Offered at RSC)
• Master's Degree Partnership with Plymouth State University: 18 credits of the post baccalaureate teacher prep program can apply toward the 33 credits required for an online MS in Education Degree. (Offered at RSC, SCC)

Professional Development for Certified Teachers
• Certificate of Completion (CCL) in Bilingual Endorsement: designed for certified teachers pursuing bilingual endorsement. Includes all coursework required for state issued Bilingual Endorsement as specified by the Arizona Department of Education. Valid Arizona teaching certificate is required for state endorsement. (Offered at MCC, PC)
• Certificate of Completion (CCL) in English as a Second Language (ESL) Endorsement: designed for certified teachers pursuing ESL endorsement. Includes all coursework required for state issued English as a Second Language Endorsement as specified by the Arizona Department of Education. Valid teaching certificate is required for state endorsement. (Offered at MCC, PC)
• Certificate of Completion (CCL) in Reading Specialist Endorsement: qualifies certified teachers for the Reading Specialist Endorsement as specified by the Arizona Department of Education. Includes all coursework required for those with valid Arizona teaching certificates to qualify for the Reading Specialist Endorsement in Arizona. (Offered at MCC)
• Professional Development Endorsement Courses for K-12 Teachers: courses have been designed and are accepted by the Arizona Department of Education and lead to endorsements in Computer Science, Structured English Immersion (SEI), English as a Second Language (ESL), Math Specialist, Reading Specialist, and Middle School. (All courses offered online at RSC; MCC offers Reading, ESL, SEI and Middle Grade on Campus; SCC offers Reading, ESL, and SEI on campus.)
• Master's Degree Partnership with Northcentral University: 15 credits of identified endorsement coursework can be applied toward the 36 credits required for an online MS in Education Degree. (Offered at RSC)

NOTE: 1) Refer to specific college catalog for degree, program and course information.
2) Students are strongly encouraged to seek academic advisement prior to enrolling.

Early Childhood Education & Family Studies Options Available To Students
It is important to note that there is a wide range of difference in educational requirements for early childhood professionals both locally and nationally. Check with the contact person at the college you are planning to attend prior to enrolling in coursework.

Associate Degrees
• Associate of Applied Science (AAS) in Early Childhood Education: prepares individuals to work with children in early childhood programs, with a specialization in either center-based, family childcare, or administration of early childhood programs. Courses are scheduled to accommodate those who are already working in the field. (Offered at GCC, RSC)
• Associate in Applied Science (AAS) in Early Childhood Education: 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. (Offered at PVCC)
• Associate in Applied Science (AAS) in Early Childhood Development: prepares students to enter a professional field which encompasses many services provided directly to young children, birth to age 8, and their families. (Offered at SCC)

For the most current information regarding degree requirements log onto www.maricopa.edu/academic/curric.
• Associate in Applied Science (AAS) Early Care Education: The Early Care and Education program is based upon an inclusive vision of high-quality services for all children. Provided are a sequence of lively, interactive classes and a variety of field experiences, which greatly expand the student’s understanding of children. Unique student teaching opportunities are offered in the Evelyn H. Warren Child Development Lab, a multi-age preschool that is accredited by the National Association for the Education of Young Children. (Offered at MCC)

• Associate in Applied Science (AAS) in Early Childhood Education and Administration: designed to meet the needs of persons interested in pursuing careers in early childhood education or currently employed in preschools, child care centers, extended day programs, agencies, or other early-childhood care facilities. Students specializing in this area develop the abilities to administer all facets of an early childhood program, along with the knowledge of child development and early childhood education. Personal characteristics for this field are love of children, patience, creativity, and interest in techniques for enhancing interpersonal relationships with children and adults. (Offered at PC)

• Associate in Applied Science (AAS) in Family Life Education: prepares individuals to enter the family life education, human development, or child and family organizations field at the paraprofessional level. (Offered at GCC, MCC, RSC)

• Associate in Applied Science (AAS) in Family Development: prepares students to work with families, identify needs, and acquire resources that strengthen family functioning. Includes skills in assessing and controlling needed resources, decision making, problem solving, communication, parenting, and child development education. (Offered at PC)

• Associate in Transfer Partnership (ATP) in Early Childhood Education: designed for students planning on becoming certified teachers in Early Childhood Education (Birth through 3rd grade). Transfers as a block without loss of credit to Northern Arizona University. (Offered at GCC, MCC, RSC, and SCC)

Post Baccalaureate Programs
• Post Baccalaureate Early Childhood Teacher Education Program: designed for individuals with a baccalaureate degree who want to become an early childhood teacher. The program enables students to obtain an Arizona Department of Education (ADE) early childhood teaching certificate that meets Arizona requirements to teach in a public school program, including children from birth through third grade. (Offered at RSC)

• Early Childhood Endorsement: designed for individuals who have a current elementary or special education teaching certificate, or are about to receive one. This program enables students to obtain an early childhood Endorsement that meets Arizona requirements to teach in a public school program, including children from birth through third grade. (Offered at RSC)

Academic Certificates
• Academic Certificate (AC) in Early Childhood Education: is designed to provide students with an understanding of universal concepts and basic practices which are the foundation for early childhood care and education. The Certificate includes courses identified as core elements of early care and education such as health, safety, nutrition, curriculum, family values, community, diversity, professionalism, guidance and discipline, and child development as well as general education courses relevant to early childhood education. (Offered at RSC)

Certificates of Completion
• Certificate of Completion (CCL) in Early Childhood Education: 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. (Offered at PVCC)
• Certificate of Completion (CCL) in Early Childhood Development: prepares individuals to assume entry-level positions within preschool, child care and family support programs. (Offered at SCC)

• Certificate of Completion (CCL) in Early Childhood Development: designed to meet the needs of individuals who are interested in working in early childhood. Emphasis on working with multi-linguistic and multi-cultural children. Upon completion students will be equipped to work effectively with children and families in both school and home environments and also initiate upward career movement or improve existing skills. (Offered at SMCC)

• Certificate of Completion (CCL), Montessori (AMS) National Montessori Certification (Offered at SMCC)

• Certificate of Completion (CCL) in Early Care Specialist: The Early Care curriculum prepares students for entry level positions in early childhood programs. The sequence of coursework is designed to increase understanding of education and care of young children. (Offered at MCC)

• Certificate of Completion (CCL) in Early Childhood Education and Administration: designed to enhance the education and career of designed to meet the needs of persons interested in pursuing careers in early childhood education or currently employed in preschools, child care centers, extended day programs, agencies, or other early-childhood care facilities. Students specializing in this area develop the abilities to administer all facets of an early childhood program, along with the knowledge of child development and early childhood education. Personal characteristics for this field are love of children, patience, creativity, and interest in techniques for enhancing interpersonal relationships with children and adults. (Offered at PC)

• Certificate of Completion (CCL) in Early Childhood Classroom Management: designed for understanding infants, toddlers & preschool children and managing their early childhood classroom settings. Focuses on key areas related to early childhood. (Offered at PC)

• Certificate of Completion (CCL) in Curriculum for Young Children: focuses on developmentally appropriate methods and uses of creative art media; science skills and experience; rhythmic, music and creative movement; language and literacy activities; math and logical thinking experiences; and multicultural/anti-bias activities. (Offered at PC)

• Certificate of Completion (CCL) in Family Development: prepares students to work with families, identify needs, and acquire resources that strengthen family functioning. Includes skills in assessing and controlling needed resources, decision making, problem solving, communication, parenting, and child development education. (Offered at PC)

• Certificate of Completion (CCL) in Infant Toddler Development: prepares individuals to serve children from birth through age three years and their families within preschool, child care and family support programs. (Offered at SCC)

• Certificate of Completion (CCL) in Parent Education: prepares individuals to enter the family life education with a focus on parent education. (Offered at GCC, MCC, RSC)

• Certificate of Completion (CCL) in Adolescent Studies: designed to prepare individuals preparing to work or those who are employed in professions that require interaction with adolescents and/or adolescent-related issues such as school personnel, parents, health educators, etc. (Offered at PC)

College Contact Information

Chandler-Gilbert Community College (CGCC)
---Teacher Education: Sharon Fagan (Pecos Campus) sharon.fagan@gcgmail.maricopa.edu 480-732-7124
---Early Childhood Education: Jennifer Peterson (CGCC) jennifer.peterson@egcmail.maricopa.edu 480-857-5535

Estrella Mountain Community College (EMCC)
---Teacher Education: Marsha Carlen marsha.carlen@emcmail.maricopa.edu 623-935-8479
---Early Childhood Education: Marsha Carlen marsha.carlen@emcmail.maricopa.edu 623-935-8479

Glendale Community College (GCC)
---Teacher Education: Nancy Oreshack nancy.oreshack@gcmail.maricopa.edu 623-845-3265
---Early Childhood Education: Dr. Carlos Nunez 623-845-3178
Mesa Community College (MCC)
---Teacher Education: Transfer Services  480-461-7452, or 480-654-7600  
Dr. Richard Malena (Red Mountain Campus)  
richard.malena@mcmail.maricopa.edu 480-461-7890  
Dr. Nora Reyes (MCC Campus) nora.reyes@mcmail.maricopa.edu 480-461-7781  
---Early Childhood Education: Dr. Christine Osgood  
ossgood@mail.mc.maricopa.edu 480-461-7938  
Dr. Annapurna Ganesh aganesh@mail.mc.maricopa.edu 480-461-7305  

Paradise Valley Community College (PVCC)
---Teacher Education: Debbie Voll  
debbie.voll@pvmail.maricopa.edu 602-787-6659  
---Early Childhood Education: Christie Colunga  
christie.colunga@pvmail.maricopa.edu 602-787-7731  

Phoenix College (PC)
---Teacher Education: Ofelia Canez 602-285-7657  
---Early Childhood Education: Alverta McKenzie  
alverta.mckenzie@pcmail.maricopa.edu 602-285-7292  

Rio Salado College (RSC)
---Teacher Education: academic.advisement@email.rio.maricopa.edu 480-517-8580  
---Early Childhood Education: Dr. Diana Abel  
diana.abel@riomail.maricopa.edu 480-517-8122  

Scottsdale Community College (SCC)
---Teacher Education: Dr. Bobbie Sferra  
480-423-6217  
---Early Childhood Education: Dr. Rosanne Dlugosz  
480-423-6204  

South Mountain Community College (SMCC)
---Teacher Education: Dr. Eufemia Amabisca  
eufemia.amabisca@smcmail.maricopa.edu 602-243-8019  
Dr. Yvonne Montiel  
yvonne.montiel@smcmail.maricopa.edu 602-243-8023  
---Early Childhood Education: Joy Mills  
joy.mills@smcmail.maricopa.edu 480-305-5783  
---Montessori Director: Billie Larime  
larime@smcmail.maricopa.edu
College of Attendance
Completion of teacher education coursework for the various degrees, certificates, and programs available can be met through the completion of teacher education coursework taken at any Maricopa Community College. Refer to specific college catalogs and course schedules for available offerings.

Common College Requirements for Students Enrolled in Teacher Education Coursework
Students taking Teacher Education Courses are expected to:

• Receive a grade of “C” or better in all coursework.

• Participate in site-based practicums, field experiences or service learning. This may include observation, tutoring, and some basic teaching. Work with the person identified by the college to coordinate the site-based school placements.

• Be fingerprinted, if required. Some school districts require this before students are allowed to participate in a site based school experience. The cost of fingerprinting is the sole responsibility of the student. Contact each individual college for specific information.

• Meet additional health requirements.

• Pay course fees. Refer to specific college course schedules and catalogs.

University Transfer Students
Students planning to transfer to a college/university other than Arizona State University (ASU), University of Arizona (UOA), or Northern Arizona University (NAU) to obtain a teacher education degree may also take their prerequisite coursework at any Maricopa College. For information on transferability of coursework that meets the universities’ requirements for admission into their teacher preparation baccalaureate programs, students must contact an adviser at that college/university.

Teacher Education Scholarship Availability
The National Center for Teacher Education (NCTE) has created scholarships for teacher education students attending the Maricopa Community Colleges. Currently there are four (4) $500 scholarship awards available for each of the 10 Maricopa colleges. Visit http://www.maricopa.edu/academic/teachered/Scholarships.html for additional information.

The National Association of Community College Teacher Education Programs (NACCTEP) has a national scholarship program. The purpose of the NACCTEP National Scholarship Program is to provide financial assistance to community college students who are studying to become teachers. This scholarship is promoted through the National Association of Community College Teacher Education Programs and is facilitated by the National Center for Teacher Education. Awards are $1000 over the course of two semesters and will be made available through college financial aid institutions. Visit http://www.nacctep.org/Scholarship/05-06scholarship.php for additional information.

The Professional Career Pathway Project (PCPP) is sponsored by the Arizona Department of Economic Security Child Care Administration. This program offers Family Child Care and Center-based caregivers the opportunity to apply for funding to cover the cost of the tuition/fees for college coursework. The PCPP offers students a seamless pathway to meet the requirements for the Child Development Associate.

Early Childhood Education Scholarship Opportunities information is available at each college. Make contact with the designated college Early Childhood contact person directly. Scholarship opportunities vary with each program.
In collaboration and partnership with the health care community and its response to the dynamic changes occurring in the health care arena and health care professions' practice, the Maricopa Community Colleges integrated the curriculum of all allied health and nursing programs. All HCIES program pathways and educational offerings emphasize the achievement of relevant competencies and provide value to the individual, the employer, and the community. As a result, graduates of the various HCIES program pathways will meet the community's demand for a flexible, multi-skilled health care workforce that meets employer and consumer needs. Refer to individual college catalogs for specific health care program pathways. For further information, http://healthcare.maricopa.edu is a comprehensive information source.

Notes:
1. Students are responsible for completing General Education coursework required for their particular Health Care Pathway.
2. All students must successfully demonstrate required reading, writing, and mathematics competencies. Academic remediation is available.
3. It may be possible for some students to meet Health Care Competency requirements for Level I and Level II common competencies through assessment of prior experience and/or education.
4. Completion of Level I and Level II does not guarantee admission into Level III Health Care Pathways.

Chandler Gilbert (CGCC), Estrella Mountain (EMCC), GateWay (GWCC), Glendale (GCC), Mesa (MCC), Phoenix (PC), Paradise Valley (PVCC), Rio Salado (RSC), Scottsdale (SCC), South Mountain (SMCC), and the Maricopa Skill Center (MSC) and the Southwest Skill Center at EMCC (SWSC/EMCC) offer health care courses. Not all courses are offered at all sites. Please contact the specific college for more information regarding the availability of courses and course schedule information.

**LEVEL I - Common Competencies -2.0 Credits**

**LEVEL II - Common Competencies Credits Vary**

**LEVEL III**

**LEVEL I**

Common Competencies

Entry Point
- Assessment of Basic Academic Skills
- Specialized Placement (if appropriate)

**LEVEL II**

Program Competencies

Assessment/Exit Point

Shared Competencies

Academic Assessment Optional & Separate Application Required

**LEVEL III**

Program Competencies

Assessment/Exit Point

Shared Competencies

Common Competencies

ALL Health Care Students must satisfactorily achieve the Level I Common Competencies found in the following courses.

- HCC130AA Health Care Today ...............0.5
- HCC130AB Workplace Behavior in Health Care ..................0.5
- HCC130AC Personal Wellness and Safety ......0.5
- HCC130AD Communication and Teamwork in Health Care Organizations . . .0.5

ALL Health Care Students must satisfactorily achieve the Level II Common Competencies. See your advisor for which Medical Terminology course satisfies your pathway's course requirements.
HCC130AE Legal and Ethical Issues in Health Care .................0.5
HCC130AF Decision Making in the Health Care Setting .................0.5
HCC145AA Medical Terminology for Health Care Workers I ..........1.0
HCC145AB Medical Terminology for Health Care Workers II ..........1.0
HCC145AC Medical Terminology for Health Care Workers III ..........1.0

LEVEL II - Shared and Program Competencies  Credits Vary

Required of only certain health occupations program pathways. Refer to specific program pathway curriculum or check with a program advisor. Shared Competencies are shared by several health program pathways. Program Competencies are specific to individual health occupations program pathways.

Level III - Shared and Program Competencies*  Credits Vary

Shared Competencies are shared by several Health Care Pathways. Program Competencies are specific to individual Health Care Pathways. These are required for certain Health Occupations Program Pathways. Refer to specific Pathway requirements or check with an advisor.

*Certain Health Care Pathways require satisfactory achievement of all Level I and II Common Competencies prior to being admitted and registering for courses in Level III. Admission into Level III Health Care Pathways is based on meeting additional requirements and involves a separate admission process. See your advisor for more information.

Examples of Level II Health Care Pathways **

Clinical Research Coordinating (GWCC)
Community Health Advocate for Diabetes (MCC)
Dental Assisting (PC, RSC)
Dental Office Management (PC)
Diagnostic Medical Ultrasound (GWCC)
Direct Care Practice (MCC)
Health Information Technology (PC)
Health Services Management (GWCC)
Health Unit Coordinating (GWCC)
Histology Technician (PC)
Hospital Central Service (GWCC)
Laboratory Assisting (PC)
Medical Assisting (MSC, PC, SWSC/EMCC)
Medical Billing (PC)
Medical Coding: Physician or Hospital Based (PC)
Medical Transcription (GWCC, SWSC/EMCC)
Nuclear Medicine Technology (SWSC/EMCC)
Nurse Assisting (GCC, GWCC, MCC, MSC, PC, PVCC, SCC, SWSC/EMCC)
Patient Care Technician (PC)
Perioperative Nursing (GWCC)
Phlebotomy (PC)
Surgical Technician First Assistant (GWCC)
Surgical Technology (GWCC)
Teaching Healing Meditation and Stress Management (PVCC)
Therapeutic Massage (CGCC, PC)

Examples-Level III Health Care Pathways **

Dental Hygiene (PC, RSC)
Dental Office Management (PC)
Diagnostic Medical Ultrasound (GWCC)
Direct Care Practice (MCC)
Health Information Technology (PC)
Health Services Management (GWCC)
Histology Technician (PC)
Medical Assisting (MSC, PC, SWSC/EMCC)
Medical Radiography (GWCC)
Nuclear Medicine Technology (GWCC)
Nursing (CGCC, GCC, GWCC, MCC, PC, RSC, SCC)
Physical Therapist Assisting (GWCC)
Practical Nursing (GCC, GWCC, MCC, MSC, PC, PVCC, RSC, SCC, SWSC/EMCC)
Respiratory Care (GWCC)
Surgical Technology (GWCC)
Therapeutic Massage (CGCC, PC)

** subject to change

HCIES Assumption of Risk/Release of Liability

Most of the program pathways of the HCIES include a program of study in a clinical training environment which 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 program pathways of the HCIES 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).

**HCIES College of Attendance**

As the programs within the HCIES are integrated across the Maricopa Community College District, college of attendance requirements for the completion of the health care program pathways can be met through the completion of coursework taken at all the Maricopa Community Colleges and Skill Centers.

**Requirement of Background Check**

Students enrolled in most of the HCIES pathways will be in clinical learning experiences, working with children, elderly persons, and other vulnerable populations. Arizona State law and healthcare agency policies require evidence of clear background checks prior to entering such learning experiences. Students seeking admission to some health programs will be required to provide a current Fingerprint Clearance Card at the time of application to or enrollment in clinical courses, according to program guidelines. The Fingerprint Clearance Card must remain in effect for the duration of time of program enrollment. It is advised that students carry proof of the clearance at all times during any agency learning experience.

Note: Even though the Fingerprint Clearance Card is valid for 6 years, certain State licensing boards may require a new background check or clearance card upon request for State licensure or certification.

**Waiver of Licensure/Certificate Guarantee**

Many of the HCIES 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 HCIES program does not guarantee the receipt of a license or certificate to practice in the field of study.

- Dietetic Technology
- Personal Training
  - Strength and Conditioning Personal Trainer
  - Strength, Nutrition and Personal Training

(CDA) Credential, the National Association for Family Child Care (NAFCC) Accreditation, and the Certificate of Completion. (EMCC, GCC, MCC, PVCC, SCC, SMCC)
**Occupational Program Matrix**

The Maricopa County Community College Occupational Program Matrix identifies all programs currently available for offering within the 10 community colleges and 2 skill centers of the district. The programs are grouped under broad occupational areas as requested by the colleges. For specific information regarding individual programs, contact the college(s) listed as participating institutions.

### AGRICULTURE

**Agribusiness Sales and Service**
- Pest Management Aide .......................... MC

**Agricultural Production and Management**
- Agribusiness ................................. MC
  (See Agribusiness Sales and Service and Horticulture sections for additional programs and related areas)
- Ranch and Livestock Management Aide ........ MC
- Ranch and Livestock Management Specialist .... MC
- Urban Horticulture ............................. MC
  (See Horticulture section for additional programs and related areas)

**Equine Training and Management**
- Equine Science ................................. SC
- Veterinary Technician Technology/Animal Health ........................................ MC

**Horticulture**
- Landscape Aide ................................. MC
- Landscape Specialist ........................... MC
  (See Agricultural Production and Management section for additional programs and related areas)
- Workforce Development: Horticulture Level I . . RS
- Workforce Development: Horticulture Level II . . RS

### BUSINESS

**Accounting**
- Accounting ...................................... PC
- Accounting - Specialized Para-Professional .... PV
- Bookkeeping ..................................... SC
- Accounting ................................. GW

Microcomputer Accounting .......................... GW, PC, PV
(See Business Administration for additional programs and related areas)
Paraprofessional Accounting .......................... GC

**Business Administration**
- Business ........................................ MC, SC
- Business (Fastrack) ................................ SC

**General Business** ............................... CG, GC, GW, PC, PV
(See Management and Finance section for additional programs and related areas)
- International Business .......................... SC
- International Trade ............................. MCC

**Computer Science**
- Computer Applications Technology .......... EM
- Computer Applications: Microsoft
  - Office Specialist/Advanced .................. MC
- Computer Applications: Microsoft
  - Office Specialist/Basic ..................... MC

**Computer Hardware and Desktop Support** .......................... CG, EM, GW, MC, PC, SC
- Computer Hardware and Network Support .... SC
- Computer Information
  - Systems ......................................... GC, MC, PC, PV, SC, SM
- Computer Networking Technology ............. PV
- Computer Programming ........................ MC
- Computer Systems Maintenance ............... PV
- Computer Technology ........................ RS
- Computer Usage and Applications ............. RS
- Database Development ........................ SC
- Desktop Publishing ............................ EM
- Education Technology ........................ GW
- Geographic Information Systems .............. MC
- Helpdesk Specialist ............................ GC
- Information Assurance .......................... MC
Network Administration:
  Microsoft Windows ................. MC
  Network Administration: Novell .... MC
  Network Administration: UNIX-Solaris .. MC
  Network Professional .............. RS
  Network Security ................. MC
  Networking ...................... RS

Networking Technology:
  Cisco ............................ CG, EM, GC, GW, SM
  Oracle Database Administration .... EM
  Oracle Database Operations ......... CG
  Personal Computer Applications .. SC

Programming and System Analysis .... CG, EM, GC, GW, MC, PC, PV, SC, SM
  Programming ...................... RS
  Software Development ............. SC
  Technology Helpdesk Support ...... RS
  Technology Troubleshooting and A+ Preparation .... RS
  Web Design ...................... GC, GW, PV, RS, SC
  Web Designer ................... MC
  Advanced Web Designer .......... MC
  Web Developer .................. GC, GW, MC, PC, PV, EM
  Web Development ............... SC
  Web Server Administrator ... MC
  Web Technology ................. MC

Finance
  Banking and Finance ........... EM, PC
  Licensed Real Estate Appraiser ... MC
  Real Estate ......................... GC, MC
  Real Estate Residential Appraisal .. MC
  Real Estate: Prelicense .......... PC
  Residential Appraisal Apprentice .. MC
  Home Inspection: Business Owner ... MC
  Operator Inspector ............. PC

Journalism
  Journalism ......................... GC, PC, PV, SC, SM

Management
  Business Management ............. SM
  Credit Union Management ....... PC
  General Business ................. CG, PC
  Human Resources Management ... PC
  Management I ..................... PC
  Management II ................... PC
  Middle Management ............. GC, PV
  Military Leadership ............. RS
Public Administration ................................ RS
Public Administration: Legal Services .......... RS
Public Relations ...................................... GC
(See Middle Management section for additional programs and related areas)
Project Management ............................... MC
Retail Management ................................. CG, GC, GW, EM, MC, PC, PV, RS, SC, SM
Retail Management and Marketing .............. SC
Retail Sales Manager ............................... MC
Small Business Entrepreneurship ............... GC, SM
Small Business Management ..................... EM, SC
Small Business .......................... MC,
Supervision and Management I ................. SM
Supervision and Management II ................ SM
Supervision .......................................... GC
Supply Chain and Operations Management ... GW
Tribal Development ................................. SC

Marketing
Marketing ........................................ MC, PC, SC
Marketing I .......................................... PC
Marketing II ......................................... PC
Salesmanship ....................................... MC

Media Technology
Broadcast Production ............................... SC
Digital Arts .......................................... MC
Digital Photography ............................... PC
Editing ................................................. SC
Film Analysis and Criticism ...................... SC
Film Production ..................................... SC
Game Technology .................................. MC
Media Arts: Computer Art/Illustration .......... CG, MC, PC, PV
Media Arts: Desktop Publishing ................ MC, PC
Media Arts: Digital Animation .................. MC, PC
Media Arts: Digital Imaging ................. CG, MC, PC
Media Arts: Web Page Design .................. MC
Media Arts: Web Design ........................ PC
Motion Picture/Television Production .......... SC
Multimedia .......................................... GC
Multimedia Technology .......................... MC
Screenwriting ...................................... SC
Video Production Technology .................. GC

Middle Management
Public Relations ..................................... MC
(See Management section for additional programs and related areas)

Office Occupations
Administrative Office Coordinator ............... GC
Administrative Office Professional ............. PV
Administrative Technology ...................... GW

Business Technology Specialist ................ GW
Call Center Supervision ........................... GC
Computer Applications ........................... PC
Computer Software Applications ............... PV
Data Entry Clerk .................................. EM
General Office Secretary ......................... EM, GC
Legal Secretarial .................................. PC
Medical Office Support .......................... PC
Medical Office Support: Basic Clerical ...... PC
Medical Office Support: Basic Transcription .. PC
Office Automation Systems ...................... SC, SM
Office Coordinator ................................ GC
Office Fundamentals .............................. SC
Office Support I ..................................... PC
Office Support II .................................... PC
Office Support ...................................... PC
Office Technology ................................. GW
Paralegal Studies .................................. PC
Realtime Reporting Scoping .................... GW
Realtime Reporting-Advanced Placement Broadcast Captioning .................. GW
Realtime Reporting-Advanced Placement CART .......................... GW
Realtime Reporting-Broadcast Captioning ..... GW
Realtime Reporting-CART ......................... GW
Realtime Reporting-Judicial ..................... GW
Receptionist ......................................... EM
Technology Support Analyst Level I ........... MC
Technology Support Analyst Level II .......... MC
Word Processing .................................... SC

Total Quality Management
Automobile Insurance: Customer Service .... RS
Automobile Policy: Customer Service .......... RS
Credit Counseling: Customer Service .......... RS
Digital Telecommunications:
  Customer Service ................................ RS
Human Services - Assistance:
  Customer Service ................................ RS
Human Services-Long Term Care:
  Customer Svcs ..................................... RS
Human Services-Specialist:
  Customer Service ................................ RS
Insurance-Customer Service ..................... RS
Insurance Claims and Losses:
  Customer Service ................................ RS
Motor Vehicle: Customer Service ............... RS

Organizational Leadership ........................ CG, EM, GW, MC, PV, RS
Organizational Management ..................... CG, EM, GW, MC, PV, RS
Pharmacy Benefits Management:
  Customer Service ................................ RS
Pharmacy: Customer Service ..................... SM
Quality Customer Service ....................... GW
Quality Customer Service ..................MC, RS
Quality Process Leadership ..................GW, MC, RS
Total Quality Management ..................EM
Travel Agency: Customer Service .............RS
Utilities Customer Service ..................RS

HEALTH OCCUPATIONS

Allied Health
Advanced Behavioral Health
    Sciences/Recovery ..........................SM
Advanced Behavioral Health Sciences  GC, SM
Basic Behavioral Health ......................GC, SM
Clinical Laboratory Sciences ................PC
Community Health Advocate, Diabetes  MC, SC
Developmental Disabilities Specialist  GC, GC
Dental
Clinical Dental Assisting .................. RS
Dental Assisting ............................ PC, RS
Dental Hygiene .............................. PC, RS, MC
Dental Office Management ..................PC

Emergency Medical Technology
Advanced Emergency Medical Technology
    (Paramedic) .............................. GC, PC, PV, SC
Basic Emergency Medical
    Technology .............................. GC, MC, PV, SC
Community Emergency Response
Team (CERT): Level I .........................PC
Emergency Communications
    and Deployment ......................... PC
Intermediate Emergency
    Medical Technology ..................... MC, PC
(See Allied Health section for additional programs and related areas)
Paramedicine ............................... MC
Secondary Basic Emergency
    Medical Technology ..................... PC

Nursing
Advanced Nursing ...........................SM
Fast Track Practical Nursing .................GW
Nursing .......................... CG, GC, EM, GW, MC, PC, PV, SC, RS
Nurse Assisting .............................. EM, GC, GW, MC, PC, PV, SC, RS
Practical Nursing ............................ EM, GC, GW, MC, PC, PV, SC, RS

HOME ECONOMICS

Early Childhood Education
Adult Development and Aging  GC, MC, RS
Adolescent Studies ......................... PC
Adolescent Development ..................... GC, MC, RS
Child and Family Organizations
    Management and Administration  GC, MC, RS
Child Care Administration .................. PC
Classroom Management for Infants,
    Toddlers and Preschool Children ........ PC
Early Care and Education ................... MC
Early Care Specialist ....................... MC
Early Childhood Development ............... SC, SM
Early Childhood Education .................. PV, GC, RS
Family Life Education ....................... GC, MC, SC, RS
Family Resources ........................... PC
Family Support ............................. PC
Infant/Toddler Development ................ SC
Parent Education ............................ GC, MC, RS, SC

Community Re-entry
Workforce Development and Community
    Re-entry ............................... RS
Education
Bilingual Endorsement .................. MC, PC
English as a Second Language (ESL) Endorsement .................. MC, PC
Instructional Assistance .................. MC, PC
Reading Specialist Endorsement ........ MC
Teacher Assisting .................. EM, GW

Family and Consumer Science
Nutrition for Fitness and Wellness ........ GC, MC

Food and Nutrition
Advanced Professional Culinary Arts ........ SC
Basic Culinary Studies .................. EM
Commercial Food Preparation ........ PC
Culinary Studies .................. EM, PC, MC
(See Hospitality section for additional programs and related areas)

Dietetic Technology .................. CG, PV
Food Service Administration ........ PC
Professional Food and Beverage Service ........ PC
Workforce Development: Culinary Arts ........ RS

Home Economics
Advanced Interior Design ........ MC, PC
Interior Design: Advanced ........ MC
Apparel Construction ........ PC
Costume Design and Production ........ MC
Costuming ........ PC
Fashion Design ........ PC
Fashion Design Level I ........ PC
Fashion Design Level II ........ PC
Fashion Illustration Level I ........ PC
Fashion Illustration Level II ........ PC
Fashion Illustration Level III ........ PC
Home Furnishings and Materials ........ GC, MC, PC
Interior Design ........ MC, PC, SC
Interior Design: Professional Level ........ SC
Kitchen and Bath Design ........ PC
Pattern Design Level I ........ PC
Pattern Design Level II ........ PC

Merchandising
Apparel Merchandising & Design ........ MC
Fashion Merchandising ........ PC
Image Consultant ........ MC

SERVICE OCCUPATIONS
Administration of Justice
Administration of Justice ........ EM, GC, PC, PV
Administration of Justice-Comprehensive ........ PC
Administration of Justice-Fundamentals ........ PC
Administration of Justice Studies ........ CG, MC, SC
Advanced Corrections ........ RS
Basic Corrections ........ RS
 Corrections ........ RS
Crime and Accident Scene Photography ........ PC

Crime and Intelligence Analysis ........ CG
Crime Scene Investigation ........ SC
Crime Scene Technology ........ SC
Cyber Forensics Technician ........ MC
Detention Services ........ RS
Evidence Technology ........ PC
Fingerprint Classification and Identification ........ PC
Forensic Investigation ........ MC

Forensic Science ........ CG
Forensic Science: Crime Lab ........ SC
Global Citizenship ........ MC

Homeland Security ........ CG
Information Assurance ........ MC
Information Security Forensics ....... EM, GC, GW, SM
Judicial Studies ........ MC

Justice and Government Agency
Administration ........ MC

Justice and Government Agency
Administration Level I ........ MC

Justice and Government Agency
Administration Level II ........ MC
Justice Agencies Support ........ MC, PC

Justice Studies ........ CG, MC, SC
Law Enforcement Field Training ........ RS
Law Enforcement Investigator ........ GC
Law Enforcement Technology ........ RS
Law Enforcement ........ SC

Law Enforcement Training Academy ........ CG, GC
Police Academy Preparation Level I ........ SC
Police Science ........ MC, SC
Police Supervision ........ GC
Public Safety Technology ........ RS
Victimology ........ MC

Fire Science
Basic Firefighter ........ MC, PV
Driver Operator ........ MC
Emergency Management ........ GC, GW, MC, PV, SM
Fire Academy ........ GC, SC
Fire Officer I ........ MC
Fire Science ........ GC, PC, PV, RS

Fire Science Technology ........ CG, GC, MC, SC, PV

Hospitality
Advanced Professional Culinary Arts ........ SC
Airline Operations ........ RS
Airline Operations: Ground Operations ........ RS
Airline Operations: Initial Flight Attendant ........ RS
Airline Operations: Passenger Services ........ RS
Airline Operations: Reservations .......... RS
Airline Operations: Vacations .............. RS
Culinary Arts .................................. SC
(See Food & Nutrition section for additional programs and related areas)
Hospitality and Tourism/Golf Management . . . SC
Hospitality and Tourism/Hotel Management . . . SC
Hospitality and Tourism/
   Restaurant Management .................... SC
Hospitality and Tourism/Tourism Development
   and Management ................................ PC, SC
Hospitality/Hotel Management ............... EM
Library Media Technology
Library Information Technician ............... MC
Library Information Technician: Advanced .. MC
Library Information Technician: Basic ....... MC

Mortuary Science
Mortuary Science .................................. MC

Music
Audio Production
   Technologies ......................... GC, MC, PC, PV, SC
Dance Technology .............................. SC
Music Business ................................. CG, GC, GW, MC, PC, PV, SC

Parks, Recreation, Leisure and Fitness
Studies
Recreational Resources and
   Facilities Management ......................... PC
Recreational Resources and Facilities Management:
   Equipment Maintenance and Repair ........ PC
Recreational Resources and Facilities Management:
   Horticulture ................................. PC
Recreational Resources and Facilities Management:
   Pesticides .................................. PC
Recreational Resources and Facilities Management:
   Pro Shop Management ....................... PC
Recreational Resources and Facilities Management:
   Turf and Irrigation ......................... PC
Recreation Management ....................... MC, PC, SC

Health and Physical Education/Fitness
Group Fitness Instructor ..................... GC, MC
Personal Trainer .............................. GC, MC
Strength and Conditioning
   Personal Trainer ......................... CG, EM, GC, GW, MC, PC, PV, SC, SM
Strength, Nutrition, and
   Personal Training ......................... CG, EM, GC, GW, MC, PC, PV, SC, SM
Teaching, Healing, Meditation & Stress
   Management ................................. PV
Therapeutic Massage ........................ CG, PC
Yoga Instruction .............................. SC
Social Sciences
Chemical Dependency Level I .............. RS
Chemical Dependency Level II .......... RS
Chemical Dependency ..................... RS
Clinical Research Coordinating ........ GW
Interpreter Preparation .................. PC
Professional Addictions Counseling ...... RS
Deaf Studies ............................... PC

Social Services
Gerontology ................................ PC
Gerontology: Aging Services Management .. PC
Gerontology: ElderCare .................... PC
Gerontology: Foundations ................ PC
Gerontology: Generalist .................. PC
Gerontology: Program Development ....... PC
Human Services ............................ GC

Technology and Trade Industrial
Air Conditioning and Refrigeration
Air Conditioning/Refrigeration/Facilities .... GW

Apprenticeship-Related Instruction
Bricklaying .................................. GW
Carpentry ................................. GW
Construction Management ................ GW, PC
Construction Trades: Carpentry ............ GW
Construction Trades: Millwright ............ GW

Construction Trades: Painting .............. GW
Construction Trades: Sheet Metal .......... GW
Electricity .................................. GW
Heat and Frost Insulation .................. GW
Heavy Equipment Operations ............... GW
Ironworking ................................ GW
Millwright .................................. GW
Painting .................................... GW
Pipefitter-Refrigeration ..................... GW
Plumbing ................................... GW
Power Plant Technology ................... GW, EM, GC
Roofing ................................... GW
Sheet Metal .................................. GW
Steamfitting ................................ GW

Aviation and Aeronautics
Aircraft Construction Technology ........ CG
Aircraft Maintenance
Technology (Part 147) ....................... CG
Aircraft Maintenance Technology ........ CG
Airframe Maintenance (Part 147) .......... CG
Airway Science Technology, Flight Emphasis .. CG
Aviation Electronics Maintenance
Technology .................................. CG
Avionics Technology ........................ CG
Composite Technology .................... CG
Flight Technology .......................... CG
Powerplant Maintenance (Part 147) ........ CG
Sheet Metal Structures Technology ........ CG
**Automotive Technology**

Air Conditioning and Electrical Accessories ................. GW
Air Conditioning ............................................. MC
Automotive Chassis ............................................ GC
Automotive Drive Trains ....................................... GW
Automotive Electrical Systems ................................ MC
Automotive Engines and Drive Trains ......................... GC
Automotive Engine Performance Diagnosis & Air Conditioning ............................................... MC
Automotive Performance Technology ......................... GC
Automotive Suspension, Steering and Brakes ............... GW
Automotive Technology ......................................... GC, GW
Brakes, Alignment, Suspension and Steering ............... MC
Caterpillar Technician Training ................................ MC
Engine Performance and Diagnosis ......................... GW, MC
Transmissions and Power Trains ............................. MC
Workforce Development: Automotive Technology Level I .................................................. RS
Workforce Development: Automotive Technology Level II .................................................. RS

**Building and Construction**

Building Inspection ............................................. MC
Building Safety & Planning Technology ...................... SC
Building Safety and Construction Technology ............... PC
Carpentry ......................................................... GW
Civil Engineering Technology .................................. PC
Heavy Equipment Operations ................................. GW
Home Improvement Retail Operations: Flooring ......................... GW
Home Improvement Retail Operations: Kitchen ................. GW
Home Improvement Retail Operations: Millworks ................. GW
Planning and Development Technology ....................... SC
Plan Review ....................................................... MC
Pre-Contractor Licensing ....................................... MC
Workforce Development: Carpentry Level I ..................... RS
Workforce Development: Carpentry Level II ..................... RS
Workforce Development: Furniture Construction/ Refinishing Level I ................................ RS
Workforce Development: Furniture Construction/ Refinishing Level II ................................ RS

**Commercial Art/Advertising Art**

Computer Graphic Design ................................. GC, PC
(See Media Technology section for additional programs and related areas)
Graphic Design .................................................. SC
Workforce Development: Graphic Arts Level I ..................... RS
Workforce Development: Graphic Arts Level II ..................... RS

**Drafting Technology**

Architectural CADD Level III .................................. MC
Architectural Detailing CADD Level III ......................... MC
Architectural Drafting ............................................ PC
Architectural Technology ........................................ SC
Architecture ....................................................... MC
Basic CAD .......................................................... GC
CAD Application .................................................. GC
CAD-Based Design Documentation ............................. GC
CAD Technology .................................................. GC
Civil CAD Technology ............................................. GC
Computer Aided Drafting ....................................... MC, PC
Computer Aided Design and Drafting CADD Level I ........ MC
Commercial Drafting CADD Level II .......................... MC
Construction .......................................................... MC
Construction Drafting I ......................................... MC
Construction Drafting II ......................................... MC
Construction Drafting III ......................................... MC
Construction Drafting CADD Level III ......................... MC
Electro/Mechanical Drafting ..................................... MC
Electromechanical Manufacturing Technology ................. MC
Manufacturing Design Technology ............................. GC
Manufacturing Productivity: Conventional Machines Level I ......................... GW
Manufacturing Productivity: Conventional Machines Level II ......................... GW
Manufacturing Productivity: Process Improvement ......................... GW
Manufacturing Productivity: Team Leadership ...................... GW
Manufacturing Productivity: Engineering Graphics ................. GW
Manufacturing Productivity: CNC CAD/CAM Programming ......................... GW
Manufacturing Productivity: CNC operation ...................... GW
Manufacturing Productivity: Quality Assurance ...................... GW
Mechanical Drafting ............................................. MC
Micro Circuit Mask Design ..................................... MC
Microcomputer Servicing ....................................... GC
Residential Drafting CADD Level II .......................... MC
Surveying and Civil Drafting CADD Level II .................. MC

**Electronics/Electrical Technology**

Cable Telecommunications ................................. SM
Computer and Networking Technology ....................... GC
Electric Utility Technology ..................................... CG
Electrical Technology ............................................. GW
Electromechanical Automation Technology ..................... MC
Electronics Engineering Technology ........................... MC
<table>
<thead>
<tr>
<th>Field</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>Electronics Manufacturing Technology</td>
<td>GC</td>
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<tr>
<td>Electronics Technology</td>
<td>MC, EM, GW</td>
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<tr>
<td>Industrial Operations Technology</td>
<td>EM, GW</td>
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<tr>
<td>Meter Technology</td>
<td>CG</td>
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<tr>
<td>Network Maintenance</td>
<td>GC</td>
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<tr>
<td>Telecommunications Technology: General</td>
<td>SM</td>
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<tr>
<td>Telecommunications Technology: Networking</td>
<td>SM</td>
</tr>
<tr>
<td>Workforce Development: Electrical Level 1</td>
<td>RS</td>
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<tr>
<td>Workforce Development: Electrical Level II</td>
<td>RS</td>
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<tr>
<td>Environmental Technology</td>
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<tr>
<td>Biotechnology</td>
<td>MC</td>
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<tr>
<td>Biotechnology and Molecular Biosciences</td>
<td>GC</td>
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<td>Environmental Health and Safety Technology</td>
<td>PV</td>
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<tr>
<td>Geospatial Technology: Environmental</td>
<td>PC</td>
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<tr>
<td>Geospatial Technologies</td>
<td>MC</td>
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<tr>
<td>Hazardous Materials Response</td>
<td>PC</td>
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<tr>
<td>Hydrologic Studies</td>
<td>GW</td>
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<tr>
<td>Occupational Safety and Health Technology</td>
<td>GW</td>
</tr>
<tr>
<td>Safety, Health and Environmental Studies</td>
<td>PV</td>
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<td>Wastewater Treatment</td>
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<td>Water Distribution and Collection</td>
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<td>Manufacturing</td>
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<td>Automated Manufacturing Systems</td>
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<tr>
<td>Manufacturing Engineering Technology</td>
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<td>Manufacturing Machining</td>
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<td>Manufacturing Technology CNC/CAD/CAM</td>
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<td>(See Welding Technology section for additional programs and related areas)</td>
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<td>Machinist</td>
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<td>Machining and Product Development Technology</td>
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<tr>
<td>Machinist, Tool and Die Level I</td>
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<td>Machinist, Tool and Die Level II</td>
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<tr>
<td>Tractor-Trailer Driving</td>
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<td>Welding Technology</td>
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<td>(See Manufacturing section for additional programs and related areas)</td>
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<td>Workforce Development: Welding Level II</td>
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MARICOPA SKILL CENTER AREAS/PROGRAMS/CERTIFICATES

The Maricopa Skill Center (MSC), a division of GateWay Community College, offers entry-level courses and programs for hands-on job training at 1245 E. Buckeye Road, Phoenix. The more than 200 courses and 60 non-credit programs at Maricopa Skill Center certificates are open-entry/open-exit, and self-paced. Several of our programs hold credit articulation agreements with ASU and Gateway Community College and most programs culminate in leading industry certifications.

Accounting
Accounting Associate Certificate Program
Accounting Clerk Certificate Program
Accounts Payable Clerk Certificate Program
Accounts Receivable/Payable Clerk Certificate Program
Payroll Clerk Certificate Program
Small Business Accounting Course Bundle

Administrative Assistant
Administrative Assistant Certificate Program
Administrative Clerk Certificate Program

Computer Aided Drafting
AutoCAD Draftsmen 2-D Technician Certificate Program
AutoCAD Draftsman 2-D, 3-D, & Solids Technician Certificate Program

Computer Repair & Networking
Computer Support Specialist Certificate Program

Cosmetology
Aesthetician Certificate Program
Cosmetologist Certificate Program
Nail Technician Certificate Program

Customer Service
Call Center Operator Certificate Program
Customer Service Specialist Certificate Program

Information Processor & Data Entry
Data Entry Operator Certificate Program
Information Processor Specialist Certificate Program
Legal Administrative Assistant

Printing
Digital Press Operator Certificate Program
Offset Press Operator Certificate Program

Soldering
IPC Certified Soldering

Travel & Tourism
Reservations & Hospitality Representative Certificate Program
Travel & Tourism Specialist Certificate Program

Medical Assistant
Medical Administrative Assistant Certificate Program
Medical Assistant Front & Back Office Certificate Program
Medical Biller/Coder Certificate Program

Nursing
Practical Nursing Certificate Program

Auto Body
Auto Body Basic Metal Repair & Refinishing Certificate Program
Auto Body Basic Metal Repair Certificate Program
Auto Body Basic Refinishing Certificate Program

Automation Technology
Automation Technology Certificate Program

Construction Trades
Construction Trades with Introduction to HVAC Certificate Program
Construction Trades Worker I Certificate Program
Construction Trades Worker II Certificate Program
Maintenance Carpenter Certificate Program
Maintenance Electrician Worker Certificate Program
Maintenance Electrician Worker with Introduction to HVAC Certificate Program

Construction Trades
Maintenance Plumbing Worker Certificate Program

Culinary Arts
Baker Certificate Program
Cook Certificate Program

Industrial Spray Painter
Industrial Spray Painter Certificate Program

Machine Trades
CNC Machinist Certificate Program
Machinist's Assistant Certificate Program
Manual Machinist Certificate Program

Meat Cutter
Apprentice Meat Cutter Certificate Program
Meat & Deli Counterperson Certificate Program
Meat Department Helper Certificate Program
Meat Room Cleanup Certificate Program
Portion Control Cutter Certificate Program
Self-service Meat Wrapper Certificate Program
Welding
Arc Welder Certificate Program
Combination Welder - 2 Process Certificate Program
Combination Welder - 3 Process Certificate Program
Combination Welder - 3 Process with Intro to Pipe Welding Certificate Program
Combination Welder - 4 Process Certificate Program
Flux Core Welder Certificate Program
MIG Welder Certificate Program
TIG Welder/TIG Fingertip Welder Certificate Program

Online/Hybrid Delivery Programs
Automation Technology Certificate Program

SOUTH WEST SKILL CENTER AT EMCC CERTIFICATES
The South West Skill Center at Estrella Mountain Community College, located at 3000 North Dysart Rd, Avondale, offers entry-level courses and programs for hands-on job training. Our programs are listed below and reference any certificate issued by that program.

Distribution Logistics Technician Program
Certified Distribution Logistics Technician (2/2008)

Emergency Medical Technology Program
Emergency Medical Technician (1/2008)

Medical Assistant Program (Certificate Programs)
Medical Assistant Front/Back Office
Medical Assistant Front Office
Medical Assistant Back Office
Medical Billing & Coding
Phlebotomy (beginning 7/1/2006)

Nursing Programs (Certificate Programs)
Nurse Assistant Program
Practical Nurse Program