MCCCD Degrees

CATALOG UNDER WHICH A STUDENT GRADUATES

Students maintaining continuous enrollment at any public Arizona community college or university may graduate according to the requirements of the catalog in effect at the time of initial enrollment or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment whether attending a 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 ’05 (Active)
- Continued at a Public Community College – Spring ’06, Fall ’06 (Active)
- Transferred to a University – Spring ’07 (2005 or Any Subsequent Catalog)

Example B:
- Admitted & Earned Course Credit at a Public Community College or University – Fall ’02 (Active)
- Enrolled But Earned All Ws, Zs, or Fs – Spring ’03 (Inactive)
- Enrolled in Audit Courses Only – Fall ’03 (Inactive)
- Nonattendance – Spring ’04 (Inactive)
- Transferred to a University – Fall ’04 (2004 or Any Subsequent 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 ’02 (Active)
- Nonattendance – Spring ’03, Fall ’03, Spring ’04 (Inactive)
- Readmitted & Earned Course Credit at a Public Community College – Fall ’04 (Active)
- Transferred to a University – Spring ’05 (2004 or Any Subsequent Catalog)

Example B:
- Admitted & Earned Course Credit at a Public Community College or University – Fall ’02 (Active)
- Nonattendance – Spring ’03 (Inactive)
- Readmitted & Earned Course Credit at a Public Community College – Summer ’03 (Active)
- Nonattendance – Fall ’04 Spring ’04 (Inactive)
- Transferred to a University – Fall ’04 (2002 or Any Subsequent 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 ’04 (Active)
- Continued at a Public Community College – Fall ’04, Spring ’05 (Active)
- Nonattendance – Fall ’05 (Inactive)
- Readmitted & Earned Course Credit at a Public Community College – Spring ’06 (Active)
- Transferred to a University – Summer ’06 (2004 or Any Subsequent 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 TRANSFER 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 at the university. University 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 fewer than eight years. University 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.

GENERAL GRADUATION REQUIREMENTS

All students are required to complete the degree and/or certificate requirements as approved by the MCCCDD 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 Admissions and Records Office/Office of Student Enrollment 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.

Students not continuously enrolled, as outlined in the Catalog Under Which a Student Graduates policy, must satisfy current graduation requirements.

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 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. 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.

3. have filed an application for the degree or certificate with the Admissions and Records Office/Office of Student Enrollment Services 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 MCCCDD 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.

ARIZONA GENERAL EDUCATION CURRICULUM (AGEC)

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. Generally, the MCCCD AGEC transfers as a block without loss of credit.

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

For students planning to pursue an associate’s 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: www.aztransfer.com

1. The AGEC-A is designed to satisfy requirements in many liberal arts majors as well as other majors that articulate with 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 any 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. A minimum of 60 semester credits in courses numbered 100 and above to be completed with a grade of “C” or better. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a “C” or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.
Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

Uses the following policies to help students complete the required Core and Awareness Areas without exceeding the 35-38 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 in the AGEC A and B.
3. 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.

Follow the general education policy that follows:

**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.

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

- Required 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 course work be taken at any of the MCCCD colleges;
- Include both course 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.

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: www.maricopa.edu/academic/ccta

The list identifies the courses in alpha-order by prefix as well as the different Core Areas and Awareness Areas where the course will apply.

**A. Core Areas**

<table>
<thead>
<tr>
<th>35 Credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. First-Year Composition (FYC)</td>
<td>6</td>
</tr>
<tr>
<td>2. Literacy and Critical Inquiry [L]</td>
<td>0-3</td>
</tr>
</tbody>
</table>

AGEC-A & 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] 4-6

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

**AGEC-B requires:**
- a. Mathematics [MA] (3 credits) **AND**
  
  (Requires a course in brief calculus (MAT212) or a higher level mathematics course (MAT216, MAT220, or MAT221 or any course for which these courses are prerequisites).
  
  b. Computer/Statistics/Quantitative Applications [CS] (3 credits)

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

**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 differs for **AGEC-S.** AGECS 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
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 AZ Course Equivalency Guide (CEG) within the AZ Course Applicability System (AZCAS) for information on equivalencies.

7. Subject Options  
(SM) Select based on major) (AGEC S) 6-8

Students completing AGEC S, through careful selection of courses that meet the other major or prerequisite 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, Geology, Physical Geography, Physics, Zoology.

B. Awareness Areas

Students must satisfy two Awareness areas: Cultural Diversity in United States [C] and either Global Awareness [G] or Historical Awareness [H]. However, it is not necessary for students to exceed 35-38 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 & Behavioral Sciences or Literacy and Humanities and Fine Arts requirements simultaneously.

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 students have skills 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 skills 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.

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, pre-calculus, 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, 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 and Fine Arts Core area enables students to broaden and deepen their consideration of basic human values and their interpretation of the experiences of human beings.

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, and Plant Biology.

Natural Sciences 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 prerequisite requirements for Science degree, will meet this requirement. Using a transfer guide, courses would be selected from Mathematics courses above Calculus, and/or Science courses.
from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geology, Physical Geography, Physics, and Zoology.

Awareness Areas
Students must satisfy two Awareness areas: Cultural Diversity in the U.S. 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. United States 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. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present, and future and 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—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 these are human events and 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)
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.
Generally, the degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

In most cases, courses used to satisfy the MCCCD Associate in Arts 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: www.aztransfer.com

**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. 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a "C" or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

- Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

- The General Education Requirements for AGEC-A may be completed in 35 semester credits with the following stipulations:
  - 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.
  - 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. See 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: www.maricopa.edu/academic/ccta

- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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.

Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

**Degree Requirements**

The 60-64 semester credits required for the Associate in Arts follow. See 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: www.maricopa.edu/academic/ccta. This list identifies the courses in alpha-order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematics 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.

MCCCD AGEC-A

1. Core Areas  35 Credits

   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 pre-calculus (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 AZ Course Equivalency Guide (CEG) within the AZ 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  0-6 Credits

   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 [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 website: www.aztransfer.com/

Students must select MCCCD courses that are transferable to the university or universities to which the student plans to transfer, as elective credit or better 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 Maricopa 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 SCIENCE (AS)
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. Generally, the degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.
In most cases, courses used to satisfy the MCCCD Associate in Science 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: www.aztransfer.com

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

- Completion of the Associate in Science and 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. 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a “C” or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

- Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

- The General Education Requirements for AGEC-S may be completed in 36-38 semester credits with the following stipulations:
  - 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 requirement in the AGEC A and B.
  - 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. See 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: www.maricopa.edu/academic/ccta/

- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement All courses used to satisfy electives must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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.

- Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

**Degree Requirements**

The 60-64 semester credits required for the Associate in Science follow. See 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: www.maricopa.edu/academic/ccta. This list identifies the courses in alpha-order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematics 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-S and MCCCD Additional Requirements.

MCCCD AGEC-S

1. Core Areas 36-38 Credits

   a. First-Year Composition (FYC) 6
   b. Literacy and Critical Inquiry [L] 0-3
   c. Mathematical Studies [MA] 4
   d. Humanities and Fine Arts [HU] 6
   e. Social and Behavioral Sciences [SB] 6
   f. Natural Sciences 8
   g. Subject Options (subject based on major) 6-8

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.

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,

   d. Humanities and Fine Arts [HU] 6

Select a course that satisfies both L and HU 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.

   g. 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 Mathematics courses above Calculus, and/or Science courses from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geology, Physical Geography, Physics, Zoology.

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-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 Credits

Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the 36-38 semester credits required in order to complete the MCCCD Additional Requirements.

a. Oral Communication

A total of three (3) semester credits are 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 [SB] (3 credits)

b. Critical Reading

A total of three (3) semester credits are 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: www.aztransfer.com

Students must select MCCCD courses that are transferable to the university or universities to which the student plans to transfer, as elective credit or better 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 Maricopa 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 ARTS – ELEMENTARY EDUCATION (AA-EE)

The MCCCD Associate in Arts in Elementary Education (AA-EE) 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.
Generally, the degree transfers as a block without loss of credit to Arizona's public universities. In most cases, courses 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.

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

- Completion of the Associate in Arts and 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. 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. A grade of "C" equals 2.0 on a 4.0 grading scale or equivalent. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a "C" or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.
- Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.
- The General Education Requirements for AGEC-A may be completed in 35 semester credits with the following stipulations:
  - 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
  - Courses can satisfy an Elementary Education Requirement and one or more Awareness Areas simultaneously.
  - 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 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. See 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: www.maricopa.edu/academic/ccta/.
- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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 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.
- Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

**Degree Requirements**
I. MCCCD General Education Requirements

A. MCCCD AGEC-A

1. Core Areas 35-38 Credits

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
   COM225 Public Speaking

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
      MHL145 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
      ECH/CFS176 Child Development
      CFS205 Human 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.

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

g. Awareness Areas 0

The MCCCD AAEE requires coursework in two Awareness Areas:

   - Cultural Diversity in the U.S. [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.

2. MCCCD Additional Requirements 0-3 Credits
   a. Oral Communication
      Satisfied by COM225 taken for Literacy and Critical Inquiry Requirement
   b. Critical Reading
      CRE101 or exemption by testing.

II. Elementary Education Requirements 25 Credits

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

A. Education Foundations 18 Credits

Complete the following courses to satisfy the Education Foundations requirements:

   - EDU 220 Introduction to Serving English Language Learners
   - 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 7 Credits

A total of 7 semester credits are required to satisfy the Electives for Arizona Professional Teacher Standards.
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.

**Content Area Electives**
Select 7 credits from the following:

- Any ARH, ART, CIS, ECN, BPC, ENG, ENH, GCU, 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: Heath, Safety, Nutrition and Fitness
- FON100 Introductory Nutrition

**Associate in Arts Total Credits:** 60-63

**ASSOCIATE IN ARTS, FINE ARTS – DANCE (AAFA)**
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 may 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:

[www.aztransfer.com](http://www.aztransfer.com)

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

- Completion of the Associate in Arts, Fine Arts - Dance degree and 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. 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a "C" or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions;
Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

• The General Education Requirements for AGEC-A may be completed in 35 semester credits with the following stipulations:
  – 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

• 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. See 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: www.maricopa.edu/academic/ccta/

• Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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.

• Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

Degree Requirements

The 64 semester credits required for the Associate in Arts, Fine Arts - Dance degree follow. See 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: www.maricopa.edu/academic/ccta/ This list identifies the courses in alpha-order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematics 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 Credits
   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 pre-calculus 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 AZ Course Equivalency Guide (CEG) within the AZ 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 Credits

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.

Students must satisfy the following:
- Cultural Diversity in the United States [C]
- Global Awareness [G] OR Historical Awareness [H]

3. MCCCD Additional Requirements 0-6 Credits

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 3

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 [SB] (3 credits)

b. Critical Reading 3

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 29 Credits

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

Part I 11 Credits
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 9 Credits
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
DAN290 Dance Conservatory I (any module) 1-3
DAN291 Dance Conservatory II (any module) 1-3
DAN292 Dance Conservatory III (any module) 1-3

Part III: Restricted Electives 9 Credits

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:
DAH+++++
Any DAH prefixed course EXCEPT DAH100 or DAH201 if selected to satisfy the AGEC-A Humanities and Fine Arts Area

DAN115++ Contemporary Dance Trends (any module) 1
DAN120++ World Dance (any module) 1
DAN125++ Social Dance (any module) 1
DAN129 Musical Theatre Dance I 1
DAN130 Musical Theatre Dance II 1
DAN133 Modern Jazz Dance I 1
DAN136 Modern Jazz Dance II 1
DAN140 Tap Dance I 1
DAN141 Dance Workshop 1
DAN145 Tap Dance II 1
DAN146 Tap Dance Ensemble 1
DAN150 Dance Performance I 1
DAN164 Improvisation 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
DAN290++ Dance Conservatory I (any module) 1-3
DAN291++ Dance Conservatory II (any module) 1-3
DAN292++ Dance Conservatory III (any module) 1-3
DAN298++ Special Projects (any module) 1-3

*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

ASSOCIATE IN ARTS, FINE ARTS – AA (AAFA)
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 may 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:

www.aztransfer.com

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.

A minimum of 63 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a "C" or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

The General Education Requirements for AGEC-A may be completed in 35 semester credits with the following stipulations:

- 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

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. See the list titled MCCCD Courses That Can Be used to Satisfy MCCCD AGECA, AGECSB, and/or AGECS for specific course information via the following website: www.maricopa.edu/academic/ccta/

Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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 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.

Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

Degree Requirements

The 63 semester credits required for the Associate in Arts, Fine Arts - Art degree follow. See the list titled MCCCD Courses That Can Be used to Satisfy MCCCD AGECA, AGECSB, and/or AGECS for specific course information via the following website: www.maricopa.edu/academic/ccta/ This list identifies the courses in alpha-order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematics 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 AGECA and MCCCD Additional Requirements

**MCCCD AGECA**

1. Core Areas 35 Credits
a. First-Year Composition (FYC)  

b. Literacy and Critical Inquiry [L]  

c. Mathematical Studies [MA/CS]  

To complete the Mathematical Studies requirement, select one course to satisfy Mathematics [MA] 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 pre-calculus 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]  

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

Select the following:

ARH101 Prehistoric Through Gothic Art  

3  

e. Social and Behavioral Sciences [SB]  

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

f. Natural Sciences [SQ/SG]  

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 [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 AZ Course Equivalency Guide (CEG) within the AZ 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 0-6 Credits  

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 [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  28 Credits

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

**Foundations  16 Credits**

Select the following:

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<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credits</th>
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<tr>
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<td>Two-Dimensional Design</td>
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<tr>
<td>ADA/ART115</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARH102</td>
<td>Renaissance Through Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART111</td>
<td>Drawing I</td>
<td>3</td>
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<tr>
<td>ART115</td>
<td>Color</td>
<td>3</td>
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<td>ART255AB</td>
<td>The Portfolio</td>
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**Restricted Electives  12 Credits**

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

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<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART116</td>
<td>Life Drawing I</td>
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<tr>
<td>ART122</td>
<td>Drawing and Composition II</td>
<td>3</td>
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<td>ART131</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART151</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART161</td>
<td>Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART165</td>
<td>Watercolor Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART167</td>
<td>Painting I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Associate in Arts, Fine Arts – Art Total Credits  63**

**ASSOCIATE IN ARTS, FINE ARTS – THEATRE (AAFA)**

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 may 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: www.aztransfer.com

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

Completion of the Associate in Arts, Fine Arts - Theatre and 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. 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.

On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a “C” or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

The General Education Requirements for AGEC-A may be completed in 35 semester credits with the following stipulations

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

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. See 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: www.maricopa.edu/academic/ccta/

Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be transferable to the university or universities to which the student plans to transfer, as elective credit or better. 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.

Courses completed at one of the Maricopa Community Colleges to satisfy Common Courses must be transferable as elective or better to the universities that have the shared majors listed on a Common Course Matrix. A shared major is a university degree program that has similar academic preparation to one or more degree programs at other Arizona public universities as listed on the Common Course Matrices. For appropriate course selection, students should consult with an advisor.

Degree Requirements

The 60-64 semester credits required for the Associate in Arts, Fine Arts -Theatre follow. See 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: www.maricopa.edu/academic/ccta/ This list identifies the courses in alpha-order by prefix as well as the Core Areas and Awareness Areas where the course will apply. For purposes of clarifying requirements in the Mathematics 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

MCCCD AGEC-A

1. Core Areas 35 Credits

a. First-Year Composition (FYC) 6
b. Literacy and Critical Inquiry [L]
   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 pre-calculus 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 course work 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 AZ Course Equivalency Guide (CEG) within the AZ Course Applicability System (AZCAS) for information on equivalencies.

2. Awareness Areas 0 Credits

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 Credits

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 3
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 [SB] (3 credits)

b. Critical Reading 3

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 25-29 Credits

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

**Foundations** 13 Credits

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** 12-16 Credits

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:
HUM/THE206 Introduction to Television Arts 3
HUM/THE210 Contemporary Cinema 3
THE118 Playwriting 3
THP120AA

Audition Techniques:
Prepared Monologue 1
THP120AB

Audition Techniques:
Cold Readings 1
THP130 Stage Combat **OR**
THP131 Stage Movement 3
THP210 Acting: TV/Film 3
THP211 Creative Drama 3
THP212 Acting II 3
THP214 Directing Techniques 3
THP216 Beginning Stage Lighting 3
THP217

Introduction to Design Scenography 3
THP219 Introduction to Puppetry 3
ASSOCIATE IN BUSINESS – GENERAL REQUIREMENTS (ABUS-GR)

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

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.

Generally, the degree transfers as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements. In most cases, courses used to satisfy the MCCCD Associate in Business General Requirements will apply to university graduation requirements of the university major for which the ABus-GR was designed.

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.

- 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a “C” or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

- Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

- Uses the following policies to help students complete the required Core and Awareness Areas in AGEC-B without exceeding the 35 semester credits.

  - 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 requirement.

- Uses the following policies 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], [HUM], 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.

- 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:

www.maricopa.edu/academic/ccta

- Select Tab labeled "Curriculum Procedures Handbook-Programs"
- Select Academic Programs
- Select AGEC Course Matrix

The list identifies the courses in alpha-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**

**MCCCD AGEC-B**

1. Core Areas 35 Credits
   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] 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) Computers/Statistics/Quantitative Applications) [CS] (3 credits)
   CIS105 [CS] Survey of Computer Information Systems

   d. Humanities and Fine Arts [HU] 6
   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

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

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 AZ Course Equivalency Guide (CEG) within the AZ 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]

II. Common Lower Division Program Requirements 27-28 Credits

A total of 27-28 credits are 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 Accounting Principles I AND
- ACC230

Uses of Accounting Information I
- AND
- ACC240 Uses of Accounting Information II
- OR
- **ACC211 Financial Accounting AND
- ACC212 Managerial Accounting 6-7

*MCCCD ACC250 or ACC211 may be taken in lieu of ACC111.

**MCCCD ACC111 and ACC112 together are equivalent to ACC211.

- ECN211 [SB] Macroeconomic Principles (3)
- ECN212 [SB] Microeconomic Principles (3)
- GBS205 Legal, Ethical, Regulatory Issues in Business (5)
- GBS221 [CS] Business Statistics (3)
- GBS220

Quantitative Issues in Business
- OR
- MAT217 Mathematical Analysis for Business
- OR
- MAT218 Mathematical Analysis for Business (3)

Business Elective 6
Select from the following options:
- CIS114DE Excel Spreadsheet
- CIS133DA Internet/Web Development Level I
- CIS159 [CS] Visual Basic Programming I
- CIS162AD C#: Level I
- CIS163AA Java Programming: Level I
GBS151 Introduction to Business
GBS233 [L] Business Communication
**GBS220 Quantitative Methods in Business
GBS110 OR Human Relations in Business
and Industry
MGT251 Human Relations in Business
IBS101 Introduction to International Business
MGT253 Owning and Operating a Small Business
REA179 Real Estate Principles I
REA180 Real Estate Principles II

If course used to satisfy Common Lower Division Program Requirements, it can not be used to satisfy Business Electives.

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.

ABUS-GR Degree Total Credits 62-63

ASSOCIATE IN BUSINESS – SPECIAL REQUIREMENTS (ABUS – SR)
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

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: www.aztransfer.com

Generally, the degree transfers as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements. In most cases, courses used to satisfy the MCCCD Associate in Business Special Requirements may apply to university graduation requirements of the university major for which the ABus-SR was designed.

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.

• 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. On an exception basis, P-grades may be allowed in the AGEC for credit transferred if documentation collected by the community college indicates that the P-grade issued was the only option for the student and the P-grade is a “C” or better. The P-grade exception does not apply to credits awarded by AGEC granting/receiving institutions.

• Credit received through prior learning assessment or credit by evaluation is transferable within the Maricopa Community Colleges but is not necessarily transferable to other colleges and universities. No more than 20 semester credit hours may be applied toward AGEC.

• Uses the following policies to help students complete the required Core and Awareness Areas in AGEC-B without exceeding the 35
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 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: www.maricopa.edu/academic/ccta

Select Tab labeled "Curriculum Procedures Handbook-Programs"
- Select Academic Programs
- Select AGEC Course Matrix

The list identifies the courses in alpha-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

MCCCD AGEC-B

1. Core Areas 35 Credits
   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 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] (3 credits)

CIS105 [CS] Survey of Computer Information Systems

d. Humanities and Fine Arts [HU] 6

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

e. Social and Behavioral Sciences [SB] 6

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

f. Natural Sciences [SQ/SG] 8

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 AZ Course Equivalency Guide (CEG) within the AZ 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]

II. Common Lower Division Program Requirements 27-28 Credits

A total of 27-28 credits is required for the Common Lower Division Program Requirements. Common courses meeting general education areas are noted with the general education designations encased in brackets.

Complete the following:

Accounting

*ACC111 Accounting Principles I AND

ACC230

Uses of Accounting Information I

AND

ACC240 Uses of Accounting Information II

OR

**ACC211 Financial Accounting AND

ACC212 Managerial Accounting 6-7

* MCCCD ACC250 or ACC211 may be taken in lieu of ACC111.

**
MCCCD ACC111 and ACC112 together are equivalent to ACC211.

**Programming I**  
CIS162AD   C#: Level I  

**Programming II**  
CIS250   Management Information Systems  
GBS205  

Legal, Ethical, Regulatory Issues in Business  

GBS220   Quantitative Issues in Business  

**OR**  
MAT217   Mathematical Analysis for Business  

**OR**  
MAT218   Mathematical Analysis for Business  

**OR**  
MAT221 [CS]   Business Statistics  

GBS221 [SB]   Macroeconomic Principles  
ECN211 [SB]   Microeconomic Principles

### III. General Electives  0-6 Credits

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.

**ABus-SR Total Credits**  62-63

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**ASSOCIATE IN TRANSFER PARTNERSHIP (ATP)**

**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 requirements of the major as jointly planned and agreed on with the community college and the accredited institution 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:  
www.maricopa.edu/academic/ccta/curric/atp.php

Click on Program Information to access ATPs.

**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

MCCCD General Education Core  19 Credits  Approved Lower Division Transfer Courses (Major dependent with variable maximum to be determined by receiving baccalaureate degree-granting institution)

Associate in Transfer Partnership

Degree Total Hours  60 minimum

The Associate in Transfer Partnership (ATP) degrees may not be available at all of the MCCCD 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:

www.maricopa.edu/academic/cctacurric/atp.php

• Early Childhood Teacher Education

ASSOCIATE IN GENERAL STUDIES (AGS)
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.

GENERAL EDUCATION CORE  16 Credits

First-Year Composition  (grade of “C” or better)  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)  MAT
Satisfactory completion of a higher level Mathematics course

### Computer Usage (1 credit)
Computer-related course or demonstration of comparable computer skills. Additional courses may be approved by individual colleges. Students should contact their advisor for college-specific courses satisfying the requirement.

- ACC Accounting 115
- AGB Agribusiness 139
- AJS Administration of Justice Studies **119**/205
- AMS Automated Manufacturing System 150
- ARC Architecture 243/244/245
- BIO Biologics 294
- BPC Business-Personal Computers Any BPC Course(s)
- CFS Child/Family Studies 180
- CIS Computer Information Systems Any CIS Course(s) (except 162, 162AA, 162AC, 163AA, 169, 183AA, 259, 262)
- CSC Computer Science Any CSC Course(s) (except 200, 200AA, 200AB, 210, 210AA, 210AB)
- CTR Court Reporting 101/102
- DFT Drafting Technology 105/105/any 105 module/150/251/any 251 module/any 254 module/256AA
- ECH Early Childhood Education 238
- EEE Electrical Engineering 120
- ELE Electronic 151/181/241/243/245/281
- ELT Electronic Technology 151/241/243
- ENG English 100AE
- ENV Environmental Sciences 119
- FON Food & Nutrition 100/100AA/100AC/100AD
- GBS General Business 221
- GPH Physical Geography 220
- HRM Hotel Restaurant Management 126
- JAS Justice & Government Agencies Admin 225
- JRN Journalism 133
- LAS Paralegal Studies 229
- MAT Mathematics 206
- MET Manufacturing Technology 264
- MTC Music Theory/Composition 180/191
- NET Networking Technology 181/181AA
- OAS Office Automation Systems 111AA/111AB/115/119/130DK/135DK/235DK
- PSY Psychology 230
- RTR Realtime Reporting 101/102
- SBS Small Business 211
- SMT Semiconductor Manufacturing Technology 150
- SWU Social Work 225
- TVL Travel Agent Technology 203
- 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.

AIS  American Indian Studies 213  
AJS  Administration of Justice Studies 123  
ARH  Art Humanities Any ARH Course(s)  
ASB  Anthropology 211/220/222/225  
CCS  Chicana and Chicano Studies 101  
CNS  Construction 101  
COM  Communication 241  
DAH  Dance Humanities 100/201  
EDU  Education 291/292/294  
ENG  English 200/213/218  
ENH  English Humanities Any ENH Course(s)  
FRE  French 265  
HCR  Health Care Related 210  
HUM  Humanities Any HUM course(s) (EXCEPT 203, 207)  
INT  Interior Design 115/120/225  
LAT  Latin 201/202  
MHM  Music: History/Literature 140/143/145/146/153/155  
PHI  Philosophy Any PHI Course(s) (EXCEPT 113)  
REL  Religious Studies Any REL Course(s) (EXCEPT 271)  
SLC  Studies in Language & Culture 201  
SPA  Spanish 241/242/265/266  
SPH  Spanish Humanities 245  
STO  Storytelling 292/294  
THE  Theater 111/205/206/210  
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.

AFR  African American Studies 202/203/204  
AIS  American Indian Studies 101/140/141/160/170  
AJS  Administration of Justice Studies 101/119/162/200/225/258/259/270  
ASM  Anthropology 104/275  
CFS  Child/Family Studies 157/159/176/205/235/259  
COM  Communication 100/100AA&100AB&100AC/110/110AA&110AB&110AC/163/230/250/263  
ECH  Early Childhood Education 176  
ECN  Economics Any ECN Course(s)  
EDU  Education 221/222  
EED  Early Education 206, 222  
ENG  English 213  
EMT  Emergency Medical Technology 258  
FOR  Forensic Science 275  
FSC  Fire Science Technology 258  
FUS  Future Studies 101  
GCU  Cultural Geography 102/121/122/141/221/223/253  
HES  Health Science 100  
HIS  History any HIS Course(s) (EXCEPT 111, 135, 204, 277)  
IBS  International Business 109  
MCO  Mass Communications 120  
POS  Political Science Any POS course(s)  
REC  Recreation 120  
SBU  Society and Business 200  
SLC  Studies in Language & Culture 201
Sociology Any SOC course(s) (EXCEPT 242, 251, 253, 265, 270)
SWU  Social Work 102/171/258/292
WED  Wellness Education 110
WST  Women’s Studies 100/110/160/161
YAQ  Yaqui Indian History and 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 164/260
ASB  Anthropology 231
ASM  Anthropology 104
AST  Astronomy 101/102/111/112/113/114
ENV  Environmental Sciences 101
FON  Food and Nutrition 241&241LL
FOR  Forensic Science 105/106
GLG  Geology Any GLG course(s)
GPH  Physical Geography 111/112/113/210/211/212/214/213/215
PHS  Physical Science 110/120
PHY  Physics 101/101AA/111AA/111/112/115/116/121/131
PSY  Psychology 290AB/290AC

Literacy & Critical Inquiry  (3 credits)
AIS  American Indian Studies 213
BIO  Biology 294
COM  Communication 222/225/241
CRE  Critical Reading 101
ENG  English 111/200/215/216/217/218
ENH  English Humanities 254/255
FON  Food & Nutrition 206
GBS  General Business 233
GPH  Physical Geography 211
HUM  Humanities 250/251
IFS  Information Studies 101
JRN  Journalism 201/234
MCO  Mass Communications 220
PHI  Philosophy 103/106
POS  Political Science 115
PSY  Psychology 290AB/290AC
REL  Religious Studies 205/205
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)

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 AAS Degree

- requires 60 or more credits numbered 100 or above and includes credits or the equivalent in the General Education Core areas and credits in the Distribution areas. AAS degree requirements follow with the use of a diagonal character (/) between course numbers to signify options. An asterisk (*) following the course number defines requirements with an effective begin term of spring;
• 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 courses. Courses from the General Education Core and Distribution area 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. 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-resident

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)
151AD/152/156/172/182/187/206/212/
215/220/221/230/231/240/241/251/261/262/equivalent course/satisfactory completion of a higher level mathematics course

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 125
ARH Art Humanities Any ARH Course(s)
ASB Anthropology 211/220/222/223
CCS Chicana and Chicano Studies 101
CNS Construction 101
COM Communication 241
DAH Dance Humanities 100/201
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU</td>
<td>Education 291/292/294</td>
</tr>
<tr>
<td>ENG</td>
<td>English 200/213/218</td>
</tr>
<tr>
<td>ENH</td>
<td>English Humanities Any ENH Course(s)</td>
</tr>
<tr>
<td>FRE</td>
<td>French 265</td>
</tr>
<tr>
<td>HCR</td>
<td>Health Care Related 210</td>
</tr>
<tr>
<td>HIS</td>
<td>History 101/102/103/108/111/113/114/243/253/254/275</td>
</tr>
<tr>
<td>HUM</td>
<td>Humanities Any HUM course(s) (EXCEPT 203, 207)</td>
</tr>
<tr>
<td>INT</td>
<td>Interior Design 115/120/225</td>
</tr>
<tr>
<td>LAT</td>
<td>Latin 201/202</td>
</tr>
<tr>
<td>MHL</td>
<td>Music: History/Literature 140/143/145/146/153/155</td>
</tr>
<tr>
<td>PHI</td>
<td>Philosophy Any PHI Course(s) (EXCEPT 113)</td>
</tr>
<tr>
<td>REL</td>
<td>Religious Studies Any REL Course(s) (EXCEPT 271)</td>
</tr>
<tr>
<td>SLC</td>
<td>Studies in Language &amp; Culture 201</td>
</tr>
<tr>
<td>SPA</td>
<td>Spanish 241/242/265/266</td>
</tr>
<tr>
<td>SLP</td>
<td>Spanish Humanities 245</td>
</tr>
<tr>
<td>STO</td>
<td>Storytelling 292/294</td>
</tr>
<tr>
<td>THE</td>
<td>Theater 111/205/206/210</td>
</tr>
<tr>
<td>TSP</td>
<td>Theater/Performance/Production 241</td>
</tr>
<tr>
<td>WST</td>
<td>Women’s Studies 209/284/285/290</td>
</tr>
</tbody>
</table>

**Social and Behavioral Sciences (3 credits)**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS</td>
<td>American Indian Studies 101/140/141/160/170</td>
</tr>
<tr>
<td>AFR</td>
<td>African American Studies 202/203/204</td>
</tr>
<tr>
<td>AJS</td>
<td>Administration of Justice Studies 101/162/200/225</td>
</tr>
<tr>
<td>ASB</td>
<td>Anthropology 102/202/211/214/222/223/230/235/238/245/252</td>
</tr>
<tr>
<td>ASM</td>
<td>Anthropology 104/275</td>
</tr>
<tr>
<td>CFS</td>
<td>Child/Family Studies 157/159/176/205/235/259</td>
</tr>
<tr>
<td>COM</td>
<td>Communications 100/100AA&amp;100AB&amp;100AC/110/110AA&amp;110AB &amp; 110AC/163/230/250/263</td>
</tr>
<tr>
<td>ECH</td>
<td>Early Childhood Education 176</td>
</tr>
<tr>
<td>ECN</td>
<td>Economics Any ECN course(s)</td>
</tr>
<tr>
<td>EDU</td>
<td>Education 221/222</td>
</tr>
<tr>
<td>EED</td>
<td>Early Education 205, 222</td>
</tr>
<tr>
<td>EMT</td>
<td>Emergency Medical Technology 258</td>
</tr>
<tr>
<td>ENG</td>
<td>English 215</td>
</tr>
<tr>
<td>FOR</td>
<td>Forensic Science 275</td>
</tr>
<tr>
<td>FSC</td>
<td>Fire Science 258</td>
</tr>
<tr>
<td>FUS</td>
<td>Future Studies 101</td>
</tr>
<tr>
<td>GCU</td>
<td>Cultural Geography 102/121/122/141/221/223/253</td>
</tr>
<tr>
<td>HES</td>
<td>Health Science 100</td>
</tr>
<tr>
<td>HIS</td>
<td>History Any HIS course(s) (EXCEPT 111, 135, 204, 277)</td>
</tr>
<tr>
<td>IBS</td>
<td>International Business 109</td>
</tr>
<tr>
<td>MCO</td>
<td>Mass Communications 120</td>
</tr>
<tr>
<td>POS</td>
<td>Political Science Any POS course(s)</td>
</tr>
<tr>
<td>REC</td>
<td>Recreation 120</td>
</tr>
<tr>
<td>SBU</td>
<td>Society and Business 200</td>
</tr>
<tr>
<td>SLC</td>
<td>Studies in Language &amp; Culture 201</td>
</tr>
<tr>
<td>SOC</td>
<td>Sociology Any SOC course(s) (EXCEPT 242, 251, 253, 265, 270)</td>
</tr>
<tr>
<td>SWU</td>
<td>Social Work 102/171/258/292</td>
</tr>
<tr>
<td>WED</td>
<td>Wellness Education 110</td>
</tr>
<tr>
<td>WST</td>
<td>Women’s Studies 100/110/160/161</td>
</tr>
<tr>
<td>YAQ</td>
<td>Yaqui Indian History and Culture 100</td>
</tr>
</tbody>
</table>

**Natural Sciences (4 credits)**
The lecture course(s) selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. The lecture and corresponding laboratory course(s) may carry separate credit. Students should consult with an advisor for appropriate course selection.

AGS  Agricultural Science 164/260
ASB  Anthropology 231
ASM  Anthropology 104
AST  Astronomy 101/102/111/112/113/114
BIO  Biology 100/101/102/105/107/108/109/149AN/145/
    156/160/181/182/201/202/205/241/245
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&113/211/212&214/215&215
PHS  Physical Science 110/120
PHY  Physics 101/101AA/111/111AA/112/115/116/121/131
PSY  Psychology 290AB/290AC

Academic Certificates (AC)

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.

ACADEMIC CERTIFICATE IN
AFRICAN-AMERICAN STUDIES
(15-18 CREDITS) MAJOR CODE: 6226

The interdisciplinary Academic Certificate (AC) in African-American Studies enhances students’ understanding of African-Americans by examining history, social issues, literature,
culture, religion, ethnic relations, and gender issues. Through coursework, students develop skills in critical thinking, inquiry, and discourse while becoming more informed.

Program Notes:
+ indicates course has prerequisite and/or corequisites

Courses selected must satisfy the following General Education Requirements:

**Awareness Area:**

Cultural Diversity in the United States (C) 3 credits
Historical Awareness (H) 3 credits

**Core Area:**

Humanities (HU) 3 credits
Social and Behavioral Sciences (SB) 6 credits

Admission Criteria (None)

Program Prerequisites (None)

**Required Courses (6 credits)**

AFR110  
Introduction to African-American Studies (SB, C) 3

AFR/ASB202  
Ethnic Relations in the United States (SB, C, H) 3

**Restricted Electives (9-12 credits)**

+AFR203  
African-American History: The Slavery Experience (SB, C, H) 3
+AFR204  
African-American History: Reconstruction to the Present (SB, C, H) 3

CPD103BC  
African-American Cultural Pride and Awareness (AFS Department Elective) 2

ENH114  
African-American Literature (HU, C) 3

HIS203  
African-American History I (SB, C, H) 3
+HIS204  
African-American History II (SB, C, H) 3

HUM214  
African-Americans in Film (HU, C) 3

PHI/REL225  
African-American Religions (HU, C) 3

SOC143  
Sociology of African American Problems (SB, C) 3

WST105  
Women of Color in America (C) 3

**ACADEMIC CERTIFICATE IN COMMUNICATION COMPETENCE IN THE WORKPLACE (33 CREDITS) MAJOR CODE: 6219**

The Academic Certificate (AC) in Communication Competence in the Workplace is an interdisciplinary program of study that provides intensive study of written and oral communication skills in different contexts including interpersonal communication, small group interaction, team-building, problem solving, public speaking and presentation skills, conflict resolution, assertiveness, and leadership. Students develop skills to enhance their professional, social, and personal interactions, and become more competitive and effective in the workforce.

**Required Courses (21 credits)**

COM110  
Interpersonal Communication 3

+COM225  
Public Speaking 3

+COM230  
Small Group Communication 3

+COM282AC  
Volunteerism for Speech Communication: A Service Learning Experience 3

CRE101  
College Critical Reading (3) OR Equivalent as Indicated by Assessment 3

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

Restricted Electives (9 credits)
If choosing BPC110 or CIS105 only one can be applied.
BPC110 Computer Usage and Applications 3
CIS105 Survey of Computer Information Systems 3
COM259 Communication in Business and Professions 3
COM263 Elements of Intercultural Communication 3
+GBS233 Business Communication 3
+SWU292 Effective Helping in a Diverse World 3
+ENG111 Technical Writing 3
IBS109 Cultural Dimension for International Trade 3

Free Electives (3 credits)
Any approved General Education course in the Cultural Awareness [C] value (3) OR
COM+++++ Any COM communication course (3)  3

ACADEMIC CERTIFICATE IN LANGUAGE AND LITERARY CULTURE OF THE USA (25 CREDITS) MAJOR CODE: 6221

The Academic Certificate (AC) in Language and Literary Culture of the USA is a course of study designed to provide students of English as a non-native language with a strong foundation in the oral and written structure and vocabulary of North American English, academic and professional reading and writing, and knowledge and appreciation of representative literature and culture of the USA in all its diversity.

Required Courses (16 credits)
+ ENG107 First-Year Composition for ESL 3
+ ENG108 First-Year Composition for ESL 3
+ ENG109 Business Writing for ESL 3
+ ENH111 Literature and the American Experience 3
+ CRE101 College Critical Reading 3
+ ENG298AA Special Project (1) OR
+ ESL298AA Special Project (1)  1

Restricted Electives (9 credits)
Complete three courses from the following disciplines:
ASB Any ASB Anthropology course(s)
COM Any COM Communication course(s)
EDU Any EDU Education course(s)
ENG Any ENG English course(s) expect courses used to satisfy Required Courses area.
ENH Any ENH English Humanities course(s)
HIS Any HIS History course(s)
HUM Any HUM Humanities course(s)
IBS Any IBS International Business course(s)
IGS Any IGS Integrated Studies course(s)
MUP Any MUP Music: Performance course(s)
PSY Any PSY Psychology course(s)
REL Any REL Religious Studies course(s)
SOC Any SOC Sociology course(s)

ACADEMIC CERTIFICATE IN COMMUNICATION SKILLS FOR NON-NATIVE ENGLISH
SPEAKERS (30 CREDITS) MAJOR CODE: 6222

The Academic Certificate (AC) in Communication Skills for Non-Native English Speakers is an interdisciplinary program of study designed to extend traditional ESL coursework. It provides Non-Native English Speakers with oral and written communication skills including interpersonal communication, small group interaction, team-building, problem solving, public speaking and presentation skills, conflict resolution, assertiveness, and leadership. Students develop skills to enhance their professional, social, and personal interactions, and become more competitive and effective in the workforce.

Required Courses (21 credits)

ENG101 First Year Composition (3) OR
ENG107 First-Year Composition for ESL (3)  3
ENG102 First Year Composition (3) OR
ENG108 First Year Composition for ESL (3)  3
COM100 Introduction to Human Communication (3) OR
COM110 Interpersonal Communication (3)  3
COM120 Pronunciation of American Speech  3
+COM221 Oral Fluency in American Speech  3
+COM282AC Volunteerism for Speech Communication: A Service Learning Experience  3
CRE101 College Critical Reading (5) OR Equivalent as Indicated by Assessment  3

Restricted Electives (9 credits)

If choosing BPC110 or CIS105 only one can be applied.
BPC110 Computer Usage and Applications  3
CIS105 Survey of Computer Information Systems  3
+COM230 Small Group Communication  3
+COM259 Communication in Business and Professions  3
+GBS233 Business Communication  3
+ENG111 Technical Writing  3
IBS109 Cultural Dimension for International Trade  3
+SWU292 Effective Helping in a Diverse World  3

Any approved General Education course in the cultural awareness [C] value (3) OR
COM++++ Any COM Communication course (3)  3

ACADEMIC CERTIFICATE IN ORAL COMMUNICATION FLUENCY FOR NON-NATIVE ENGLISH SPEAKERS (15 CREDITS) MAJOR CODE: 6223

The Academic Certificate (AC) in Oral Communication Fluency for Non-Native English Speakers is a concentrated program of study in communication and oral fluency designed to extend traditional ESL coursework. It provides Non-Native English Speakers with intense practice in pronunciation and fluency of American speech as well as experience in all communication contexts including interpersonal communication, small group interaction, problem solving, and public speaking. Students develop skills to enhance their professional, academic, and social interactions to become more competitive and effective in the academic environment and in the workplace.

Required Courses (12 credits)

COM110 Interpersonal Communication  3
COM120 Pronunciation of American Speech  3
+COM221 Oral Fluency in American Speech  3
+COM282AC Volunteerism for Speech Communication: A Service Learning Experience  3

Restricted Electives (8-9 credits)

Any approved General Education course in the cultural awareness [C] value  3

ACADEMIC CERTIFICATE IN CREATIVE WRITING (24 CREDITS) MAJOR CODE: 6224
The Academic Certificate (AC) in Creative Writing is designed to provide students and professional writers with access to a community of writers and creative writing activities, instruction and guidance from established authors, and ongoing support in improving their writing skills and marketing their work. As students take courses in the program, they will build a portfolio of original work that may be used to seek admittance to a bachelor’s or master’s level creative writing program or that may include work to be submitted for publication. The program offers classes, workshops, and other activities such as readings and contests, which are accessible to writers of all levels regardless of academic or professional standing. The program serves many students, especially women, minorities, seniors, and working adults, who are under-represented in traditional creative writing programs because of cultural, dialect or language differences, scheduling difficulties, financial need, or lack of academic experience. Completion of the certificate does not lead to a particular degree program, but may aid students in their pursuit of a career in the writing professions and in their continued enjoyment of writing for personal growth.

Program Notes:
Students must earn a grade of "C" or better for all courses required within the program
+ indicates course has prerequisites and/or corequisites.
++ indicates any module.

Admission Criteria:
Students wishing to enroll in the Creative Writing program must complete a formal application; contact Program Director.

Required Courses (21 credits)
ENG210 may be substituted for CRW150 with permission of Program Director.

CRW150 Introduction to Creative Writing (3) OR
CRW155 Bilingual Creative Writing (3)

CRW200 must be repeated for a total of two (2) credits.
+ CRW200 Readings for Writers (1)
+ CRW201 Portfolio

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

Series I:
Students must complete two (2) of the following courses for a total of six (6) credits.
CRW120 Introduction to Writing Children’s Literature
CRW160 Introduction to Writing Poetry
CRW170 Introduction to Writing Fiction
CRW180 Introduction to Writing Nonfiction
CRW190 Introduction to Screenwriting
THE118 Playwriting

Series II:
Students must complete three (3) of the following courses for a total of nine (9) credits.
+ CRW202 The Writer as Witness
+ CRW203 Dialogue
+ CRW204 Journaling
+ CRW220 Intermediate Writing Children’s Literature
+ CRW261 Topics in Writing: Poetry
+ CRW270 Intermediate Fiction Writing
+ CRW271 Topics in Writing: Fiction
+ CRW272 Planning and Structuring the Novel
+ CRW273 Writing the Novel
+ CRW274 Revising the Novel
+ CRW275 Writing the Mystery Story
+ CRW281 Topics in Writing: Non-Fiction
+ CRW290 Intermediate Screenwriting
+ CRW291 Topics in Writing: Plays

Restricted Electives (3 credits)
COM243 Interpreter’s Theatre
+ CRW+++++ Any CRW Creative Writing prefixed course not listed under Required Courses area
+ ENG217 Personal and Exploratory Writing
+ ENG219 Life Stories
ENG235 Magazine Article Writing
ACADEMIC CERTIFICATE IN ELECTRONIC MUSIC (40 CREDITS) MAJOR CODE: 6231

The Academic Certificate (AC) in Electronic Music is intended for the student who would like to obtain acknowledgment for completion of electronic music courses, and is not designed to prepare students for employment. While the completion of the certificate does not lead to a particular degree, it does provide and enhance the development of musicianship for enjoyment and personal growth. This program provides the student with fundamental musical skills covering a variety of topics, including theory, performance, composition, and history. In addition, students receive a high level of technical training in creating electronic music. As students complete courses in the program, they will build a portfolio of original compositions that may be used to seek admittance to a bachelor’s-level music program.

Admission Criteria: None

Program Prerequisites: (2-3 credits)
MTC100 Fundamentals of Music (2) OR
MTC101 Introduction to Music Theory (3) OR Permission of instructor 2-3

Required Courses (40 credits)
Students are required to complete a total of six (6) credits of MTC240.
+ MTC105 Music Theory I 3
MTC106 Aural Perception I 1
+ MTC155 Music Theory II 3
MTC156 Aural Perception II 1
+ MTC205 Music Theory III 3
MTC206 Aural Perception III 1
+ MTC255 Music Theory IV 3
MTC256 Aural Perception IV 1
MTC191 Electronic Music I 3
+ MTC192 Electronic Music II 3
+ MTC193 Computer-Based Sound Synthesis 3
+ MTC240 Composition (3) 6
+ MTC291 Electronic Music III 3
MUC195 Studio Music Recording I 3
+ MUC196 Studio Music Recording II (3) OR
MUC197 Live Sound Reinforcement I (3) 3

ACADEMIC CERTIFICATE IN GLOBAL CITIZENSHIP (16 CREDITS) MAJOR CODE: 6212

The interdisciplinary Academic Certificate (AC) in Global Citizenship enhances students’ understanding of the world around them and current social issues such as economic and social justice, human and civil rights, world and regional conflicts, environmental degradation, cultural diversity, and political change. Through a combination of coursework and experiential learning, students develop skills in critical thinking, inquiry, and discourse while becoming more informed, socially responsible, and engaged citizens of their communities, country, and world. The certificate includes specialized tracks in the impact of diverse cultures on American life: Impact of Diverse Cultures on American Life; Political and Economic Interdependence of the International Community; Global Study of Cultures, Religions, and Values; Regional Study of Cultures, Religions, and Values; and Science, Technology and the World.

Required Courses (7 credits)
GLO298AA Special Projects 1

Select 6 credits from the following courses:
ASB102 Introduction to Cultural and Social Anthropology (3)
COM263 Elements of Intercultural Communication (5)
ECN213 The World Economy (3)
GCU121
World Geography I:
Eastern Hemisphere (3)
GCU122

World Geography II:
Western Hemisphere (3)
HIS243 History of World Religions (3) OR
REL243 World Religions (3)
POS120 World Politics (3)
PSY132 Psychology & Culture (3)

Restricted Electives (9-10 credits)
Students will choose 9-10 credits from one of the four tracks:

Any prefixed course(s) except courses used to satisfy Required Courses area.

**Track 1 – Impact of Diverse Cultures on American Life: (9 credits)**
Courses for Track 1 must be selected from the following disciplines:
AIS, ASB, CCS, COM, EDU, ENH, HIS, HUM, IGS, MCO, MHL, PSY, REL, SOC, SPH, WST

Courses selected under Track 1 must satisfy both of the following General Education Requirements:
Awareness Area C AND
Core Areas SB OR HU OR L

**Track 2 – Political and Economic Interdependence of the International Community (9 credits)**
Courses for Track 2 must be selected from the following disciplines:
ECN, IBS, POS, SBU

Courses selected under Track 2 must satisfy both of the following General Education Requirements:
Awareness Area G AND
Core Area SB

**Track 3 – Global Study of Cultures, Religions, and Values (9 credits)**
Courses for Track 3 must be selected from the following disciplines:
ASB, COM, DAH, ENH, GCU, HIS, HUM, IGS, MHL, PHI, PSY, REL, SOC

Courses selected under Track 3 must satisfy both of the following General Education Requirements:
Awareness Area G AND
Core Areas SB OR HUM OR L

Foreign Languages: All of the following 201, 202, 203, or 204-level classes are also acceptable under Track 3:
ARB, FRE, GER, HEB, ITA, JPN, RUS, SPA

**Track 4 – Science, Technology, and the World (9-10 credits)**
ASB231 Introduction to Archaeological Field Methods 4
ASM104 Bones, Stones, and Human Evolution 4
BIO105 Environmental Biology 4
BIO107 Introduction to Biotechnology 4
CHM107 Chemistry and Society 3
GLG110 Geological Disasters and the Environment 3
GPH111 Introduction to Physical Geography 4
+GPH210 Introduction to Environmental Geography 3
PHS120 Introduction to Physical Science: Astronomy, Meteorology, Geology and Oceanography 4
SOC180 Social Implications of Technology 3

**ACADEMIC CERTIFICATE IN WOMEN’S STUDIES (15 CREDITS) MAJOR CODE: 6225**

The Women’s Studies program, an intensive interdisciplinary liberal arts certificate program, provides students with tools and opportunities to discuss and critique historical and contemporary theories and practices of feminism(s).
The curriculum enables students to write well, think critically and analyze problems effectively. Students complete a variety of courses
focusing on women’s experiences and perspectives, exploring topics such as history, culture, class, race, ethnicity, sexuality and gender in order to help bring about equality, understanding, and peace. These courses are culturally responsive to the diversity of one half of the world’s people, their work, and their impact on multicultural societies.

Required Courses (3 credits)
WST100 Women and Society 3

Restricted Electives (12 credits)
ASB211 Women in Other Cultures 3
ENH/WST284 19th Century Women Writers 3
ENH/WST285 Contemporary Women Writers 3
HIS201 History of Women in America 3
HLR/WST286 Women and Health: Body/Mind/Spirit/Connection 3
HUM/WST209 Women and Films 3
+PSY235 Psychology of Gender Differences 3
+PSY258 Domestic Problems and Crises 3
REL/WST290 Women and Religion 3
SOC212 Gender and Society 3
WST105 Women of Color in America 3
WST110
Women and Gender:
A Feminist Psychology 3
WST120 Gender, Class, and Race 3
WST128 Law and Violence Against Women 3
WST160 Women and Early American Experience 3
WST161 American Women Since 1920 3
WST200 Essential Feminist Writing 3
WST261
Native Women’s Literature:
The Americas 3

MCCCD Occupational Programs

The Maricopa County Community College Occupational Program Matrix identifies all programs currently available for offering within the 10 community colleges and two 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, FOOD, AND NATURAL RESOURCES

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)
Urban Horticulture MC
(See Horticulture section for additional programs and related areas)

EQUINE TRAINING AND MANAGEMENT
Equine Science SC
Veterinary 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 RS
Workforce Development: Landscape Technology RS

ARCHITECTURE AND CONSTRUCTION

AIR CONDITIONING AND REFRIGERATION
Air Conditioning/Refrigeration/Facilities GW
Residential and Light Commercial Air Conditioning

APPRENTICESHIP RELATED INSTRUCTION

Construction Trades: Bricklaying and Tilesetting
Construction Trades: Carpentry
Construction Trades: Construction Management
Construction Management
Construction Trades: Millwright
Construction Trades: Plastering and Cement Masonry
Construction Trades: Painting and Drywalling
Construction Trades: Sheet Metal
Construction Trades: Electricity
Construction Trades: Heat and Frost Insulation
Construction Trades: Heavy Equipment Operations
Construction Trades: Ironworking
Construction Trades – Mechanical Trades:
  Heating, Ventilating and Air Conditioning
Construction Trades – Mechanical Trades: Plumbing/Pipefitting
Construction Trades – Mechanical Trades: Sheet Metal
Construction Trades: Mechanical Trades - Form Carpentry
Construction Trades: Pipe Trades – Pipefitter-Refrigeration
Construction Trades: Pipe Trades – Plumbing
Power Plant Technology
Construction Trades: Roofing
Construction Trades: Sheet Metal
Construction Trades: Pipe Trades – Steamfitting

BUILDING AND CONSTRUCTION

Architecture
Architectural CADD Level III
Architectural Detailing CADD Level III
Architectural CAD Technology
Architectural Technology
Building Inspection
Building Safety and Construction Technology
Building Safety Technology
Carpentry
Civil Engineering Technology
Construction
Construction Drafting CADD Level III
Construction Trades: Heavy Equipment Operations
Construction Management
Plan Review
Pre-Contractor Licensing
Residential Drafting CADD Level II
Survey and Civil Drafting - CADD Level II
Workforce Development: Carpentry Level I
Workforce Development: Carpentry Level II
Workforce Development: Furniture Construction/Refinishing Level I
Workforce Development: Furniture Construction/Refinishing Level II

AEROSPACE AND AVIATION

AVIATION AND AERONAUTICS

Aircraft Maintenance Technology
Aircraft Maintenance Technology (Part 147)
Airframe Maintenance (Part 147)
Airway Science Technology, Flight Emphasis
Flight Technology
Powerplant Maintenance (Part 147)

BIOSCIENCE

Biomedical Research Technology
Biotechnology
Biotechnology and Molecular Biosciences

BUSINESS, MANAGEMENT, AND ADMINISTRATION
### ACCOUNTING
- Accounting (MC, PC, RS, SC, SM, CG)
- Accounting – Specialized Para-Professional (PV)
- Bookkeeping (SC)
- Microcomputer Accounting (PC, PV, SM, GC, GW, CG, EM)
- Software Quality Assurance (MC)

*(See Business Administration for additional programs and related areas)*

- Accounting Paraprofessional (GC)

### BUSINESS ADMINISTRATION
- Business (MC, SC)
- Business (Fasttrack) (SC)
- General Business (CG, GC, MC, PC, RS, SCC, SMC)

*(See Management and Finance section for additional programs and related areas)*

- Import/Export Trade (PV)
- International Business (PV)
- International Trade (MCC)

### FINANCE
- Banking and Finance (PC, EM)
- Certified Residential Appraiser (MC)
- Home Inspection (MC)
- Licensed Real Estate Appraiser (MC)
- Real Estate (MC, PC)
- Real Estate: Prelicense (PC)
- Residential Appraisal Trainee (MC)
- Bank Account Management: Customer Service (RS)

### MANAGEMENT
- Business Management (SM)
- Credit Union Management (PC)
- General Business (PC)
- Human Resources Management (PC)
- Management (PC, MC, SC)
- Management I (PC)
- Management II (PC)
- Middle Management (GC, PV)
- Military Leadership (RS)
- 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 (MC)
- Small Business Entrepreneurship (GC, SM)
- Small Business Management (EM, SC)
- Supervision and Management I (SM)
- Supervision and Management II (SM)
- Supervision (GC)

### MARKETING
- Marketing (MC, PC, SC)
- Marketing I (PC)
- Marketing II (PC)
- Salesmanship (MC)

### OFFICE OCCUPATIONS
- Administrative Office Coordinator (GC)
- Administrative Office Professional (PV)
- Administrative Technology (GW)
- Business Technology Specialist (GW)
- Computer Applications (PC)
- Computer Software Applications (PV)
- Customer Service / Information Professional (PV)
- Data Entry Clerk (EM)
- General Office Secretary (EM, GC)
- Legal Secretarial (PC)
Medical Office Support: Basic Clerical PC
Medical Office Support: Basic Transcription PC
Office Automation Systems SC, SM
Office Coordinator GC
Office Support PC
Office Support II PC
Office Technology GW
Paralegal Studies PC
Realtime Reporting-Advanced Placement CART GW
Realtime Reporting-Advanced Placement Broadcast Captioning GW
Realtime Reporting-Broadcast Captioning GW
Realtime Reporting-CART GW
Realtime Reporting-Judicial GW
Realtime Reporting Scoping GW
Receptionist EM
Systems Analysis for Practice Management GW
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
Broadband Telecommunications: Account Services RS
Broadband Telecommunications RS
Broadband Telecommunications: Field Operations RS
Broadband Telecommunications: Technical Support Services RS
Credit Counseling: Customer Service RS
Customer Service Management EM
Human Services-Assistance: Customer Service RS
Human Services-Long Term Care: Customer Service RS
Human Services-Specialist: Customer Service RS
Insurance Claims and Losses: Customer Service RS
Insurance-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: Customer Service SM
Quality Customer Service GW
Quality Customer Service RS
Quality Process Leadership GW
Travel Agency: Customer Service RS
Utilities Customer Service RS

EDUCATION AND TRAINING

EARLY CHILDHOOD EDUCATION
Child and Family Organizations Management GC, MC, RS
Curriculum for Young Children PC
Early Care and Education MC
Early Care Specialist MC
Early Childhood Education and Administration PC
Early Childhood Classroom Management PC
Early Childhood Development SM, RS
Early Childhood Development: Montessori SM
Early Childhood Education PV, GC, RS
Early Childhood Administration and Management GC, MCC, RSC, SM

EDUCATION
Bilingual Endorsement MC, PC
ESL Endorsement MC, PC
Instructional Assistance MC, PC
Reading Specialist Endorsement MC
Teacher Assisting EM, GW
Foundations of Student Services

**FAMILY EDUCATION**
- Adolescent Development
  - GC, MC, RS
- Adolescent Studies
  - PC
- Adult Development and Aging
  - GC, MC, RS
- Advanced Interior Design
  - PC
- Family Development
  - PC
- Family Life Education
  - GC, MC, SC, RS
- Family Support PC
- Parent Education
  - GC, MC, RS, SC

**WORKFORCE DEVELOPMENT**
- Workforce Development and Community Re-Entry
  - RS

**ENVIRONMENTAL TECHNOLOGY**

**ENVIRONMENTAL TECHNOLOGY**
- Environmental Science Technology
  - GW
- Geospatial Technologies
  - MC
- Hydrologic Studies
  - GW
- Occupational Safety and Health Technology
  - GW
- Radiation Protection Technology
  - EM
- Safety, Health and Environmental Studies
  - PV
- Wastewater Treatment
  - GW
- Water Distribution and Collection
  - GW
- Water Purification Technology
  - GW
- Water Technologies
  - GW
- Water Technologies Level 1
  - GW
- Water Technologies Level 2
  - GW
- Water Technologies Level 3
  - GW
- Water Technologies Level 4
  - GW
- Water Treatment
  - GW

**FAMILY AND CONSUMER SCIENCES**

**FASHION DESIGN**
- Alteration Specialist
  - 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
  - PC
- Pattern Design Level I
  - PC
- Pattern Design Level II
  - PC
- Fashion Merchandising
  - PC
- Fashion Merchandising & Design
  - MC
- Image Consultant
  - MC

**INTERIOR DESIGN**
- Interior Merchandising
  - GC, MC, PC
- Interior Design MC, PC, SC
- Interior Design: Advanced
  - MC
- Interior Design: Professional Level
  - SC
- Kitchen and Bath Design
  - PC

**HEALTH SCIENCE**

**ALLIED HEALTH**
- Advanced Behavioral Health Sciences
  - GC, SM
- Advanced Nursing
  - SM
- Basic Behavioral Health
  - GC, SM
- Clinical Laboratory Sciences
  - PC
- Clinical Research Associate
  - W
- Community Health Advocate, Diabetes
  - MC
- Developmental Disabilities Specialist
  - GC, CG
- Diagnostic Medical Sonography
  - GW
Electroneurodiagnostics  
Health Information  
Health Information Technology  
Health Services Management  
Health Unit Coordinating  
Histologic Technology  
Hospital Central Service Technology  
Laboratory Assisting  
Computed Tomography  
Magnetic Resonance Imaging  
Medical Assisting  
Medical Coding: Hospital-Based  
Medical Billing and Coding: Physician-Based  
Medical Front Office  
Medical Radiography  
Medical Transcription  
Medical Transcription  
Nuclear Medicine Technology  
Patient Care Technician  
Perioperative Nursing  
Phlebotomy  
Physical Therapist Assisting  
Polysomnographic Technology  
Radiation Therapy  
Recovery Support  
Respiratory Care  
Speech Language Pathology Assistant  
Surgical Technology  

**EMERGENCY MEDICAL TECHNOLOGY**

Advanced Emergency Medical Technology (Paramedic)  
Basic Emergency Medical Technology  
Community Emergency Response Team (CERT): Level I  
Emergency Communications and Deployment  
Intermediate Emergency Medical Technology  
Paramedicine  
Secondary Basic Emergency Medical Technology  

**DENTAL**

Clinical Dental Assisting  
Dental Assisting  
Dental Hygiene PC, RS, MC  
Dental Office Management  

**NURSING**

Fast Track Practical Nursing  
Nursing  
Nurse Assisting  
Practical Nursing  

**HOSPITALITY AND TOURISM**

**FOOD AND NUTRITION**

Advanced Professional Culinary Arts  
Baking and Pastry  
Basic Culinary Studies  
Commercial Baking  
Commercial Food Preparation  
Culinary Arts  
Culinary Studies  
Culinary Fundamentals  
Dietetic Technology  
Food Service Administration  
Professional Food and Beverage Service  
Sustainable Food Systems
HOSPITALITY

- Airline Operations: Ground Operations
- Airline Operations: Initial Flight Attendant
- Airline Operations: Passenger Services
- Airline Operations: Reservations
- Airline Operations: Reservations and Ticketing Operations
- Airline Operations: Vacations
- Culinary Arts

(See Food & Nutrition section for additional programs and related areas)

HOSPITALITY AND TOURISM/GOLF MANAGEMENT

- Hospitality and Tourism/Golf Management

HOSPITALITY AND TOURISM/HOTEL MANAGEMENT

- Hospitality and Tourism/Hotel Management

HOSPITALITY AND TOURISM/RESTAURANT MANAGEMENT

- Hospitality and Tourism/Restaurant Management

HOSPITALITY AND TOURISM/SPA AND WELLNESS CENTER MANAGEMENT

- Hospitality and Tourism/Spa and Wellness Center Management

HOSPITALITY/HOTEL MANAGEMENT

- Hospitality and Tourism/Hotel Management

HUMAN SERVICES

GOVERNMENT AND PUBLIC ADMINISTRATION

- Public Administration
- Tribal Development

HEALTH AND PHYSICAL EDUCATION/FITNESS

- Group Fitness Instructor
- Nutrition for Fitness and Wellness
- Personal Trainer
- Strength and Conditioning
  - Personal Trainer
  - Strength, Nutrition and Personal Training
- Teaching, Healing, Meditation & Stress Management
- Therapeutic Massage
- Yoga Instruction

JOURNALISM

- Journalism
- Public Relations

(See Middle Management section for additional programs and related areas)

PARKS, RECREATION, LEISURE AND FITNESS STUDIES

- Recreation Management

SOCIAL SCIENCES

- Chemical Dependency Level I
- Chemical Dependency Level II
- Chemical Dependency
- Clinical Research Coordinating
- Deaf Studies
- Interpreter Preparation
- Professional Addictions Counseling

SOCIAL SERVICES

- Gerontology
- Gerontology: Aging Services Management
- Gerontology: Eldercare
- Gerontology: Foundations
- Gerontology: Generalist
- Gerontology: Program Development

MORTUARY SCIENCE

- Mortuary Science

INFORMATION TECHNOLOGY

COMPUTER SCIENCE

- Advanced Computer Usage and Applications
- Advanced Web Designer
- Computer Applications Technology
Computer Applications: Microsoft Office Specialist/Advanced  MC
Computer Applications: Microsoft Office Specialist/Basic  MC
Computer Hardware and Desktop Support  CG, EM, MC, 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
Engineering Technology  GC, CGC
Game Technology  GW, MC
Geographic Information Systems  MC
Help Desk Specialist  GC
Information Assurance  MC
Information Security  EM, GC, GW
Information Security Administration  EM, GC, GW
Information Security Technology  EM, GC, GW
Information Security Wireless Networks  EM, GC, GW
Information Technology  CG
Information Technology: Programming and Systems Analysis  SM
Information Technology: Web and Graphic Design  M
Information Technology: Cisco Networking Professional  SM
Information Technology: Computer Applications Specialist  SM
Information Technology: Network Server  SM
Information Technology: Network Security  SM
Information Technology Support  SM
Linux Associate  CG, EM, GC, MC
Linux Networking Administration  EM, GC, MC
Linux Professional  CG, EM, GC, MC, PV
Microcomputer Applications  GC
(See Office Occupations section for additional programs and related areas)
Microcomputer Applications: Office Specialist/Core Level  CG
(See Office Occupations section for additional programs and related areas)
Microcomputer Applications: Office Specialist/Expert Level  CG
(See Office Occupations section for additional programs and related areas)
Microcomputer Business Applications  CG, GC
Microsoft Database Administration  CG
Microsoft Desktop Support Technology  EM, GC, MC, PV
Microsoft Networking Technology  EM, GC, GW, PV
Microsoft Product Specialist  CG, EM, GC, GW, PV
Microsoft Applications Development  MC, PV
Microsoft Systems Administration  EM, GC, PV
Microsoft Systems Engineer  EM, GC, GW, PV
Multimedia and Business Technology  MC
Network Administration  SC
Network Administration: CISCO Network Associate  MC
Network Administration: CISCO Network Professional  MC
Network Administration: Microsoft Windows NT  MC
Network Administration: Microsoft Windows  MC
Network Administration: NovellM  C
Network Administration: UNIX-Solaris  MC
Network Security  MC
Networking  RS
Networking Administration: Cisco  CG, EM, GC, GW, SM
Networking System Administration  MC
Networking Technology: Cisco  CG, EM, GC, GW
Oracle Database Administration  EM
Oracle Database Operations  CG
Personal Computer Applications  SC
Programming  RS
Programming and System Analysis  CG, EM, GC, MC, PC, PV, SC, SM
Software Development  SC
Web Design GC, PV, EMOC, PC, RS, SC
Web Designer MC
Web Developer GC, GW, MC, PC, PV, EM
Web Development SC
Web Server Administrator MC

MEDIA TECHNOLOGY
Animation GC
Animation: Imaging and Design Foundation GC
Broadcast Production SC
Comic and Sequential Art PC
Digital Arts MC
Digital Photography PC
Digital Arts: Digital Illustration MC
Digital Arts: Digital Photography MC
Digital Arts: Graphic Design MC
Digital Arts: Web Design MC
Editing SC
eLearning Design Specialist RS
Film Analysis and Criticism SC
Film Production SC
Game Technology MC, GW
Graphic Design GW, RS
Media Arts: Computer Art/Illustration CG, PC, PV
Media Arts: Desktop Publishing PC
Media Arts: Digital Animation PC
Media Arts: Digital Imaging CG, PC
Media Arts: Web Design PC
Motion Picture/Television Production SC
Multimedia GC
Multimedia Technology MC
Screenwriting SC
Video Production Technology GC
Web Publishing Design: Foundation GC
Web Publishing Design: Design and Authoring GC

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

EMERGENCY MEDICAL TECHNOLOGY
Advanced Emergency Medical Technology (Paramedic) GC, PC, PV, SC, MC
Basic Emergency Medical Technology GC, MC, PC, 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

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
Evidence Technology EM
Fingerprint Classification and Identification PC
Forensic Investigation MC
<table>
<thead>
<tr>
<th>Program</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forensic Science</td>
<td>CG</td>
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<tr>
<td>Forensic Technology</td>
<td>PC</td>
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<tr>
<td>Forensic Science: Crime Lab</td>
<td>SC</td>
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<tr>
<td>Global Citizenship</td>
<td>MC</td>
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<tr>
<td>Homeland Security</td>
<td>CG</td>
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<tr>
<td>Information Assurance</td>
<td>MC</td>
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<tr>
<td>Information Security Forensics</td>
<td>EM, GC, GW</td>
</tr>
<tr>
<td>Judicial Studies</td>
<td>MC</td>
</tr>
<tr>
<td>Justice and Government Agency Administration Level I</td>
<td>MC</td>
</tr>
<tr>
<td>Justice and Government Agency Administration Level II</td>
<td>MC</td>
</tr>
<tr>
<td>Justice and Government Agency Administration</td>
<td>MC</td>
</tr>
<tr>
<td>Justice Studies</td>
<td>MC</td>
</tr>
<tr>
<td>Law Enforcement Field Training</td>
<td>RS</td>
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<tr>
<td>Law Enforcement Investigator</td>
<td>GC</td>
</tr>
<tr>
<td>Law Enforcement Technology</td>
<td>RS</td>
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<tr>
<td>Law Enforcement Training Academy</td>
<td>GC, CG</td>
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<tr>
<td>Legal Studies</td>
<td>MC</td>
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<tr>
<td>Paralegal</td>
<td>RSC</td>
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<tr>
<td>Police Academy Preparation Level I</td>
<td>SC</td>
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<tr>
<td>Police Science</td>
<td>MC, SC</td>
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<tr>
<td>Police Supervision</td>
<td>GC</td>
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<tr>
<td>Public Safety Technology</td>
<td>RS</td>
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<tr>
<td>Victimology</td>
<td>MC</td>
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</tbody>
</table>

**FIRE SCIENCE**

<table>
<thead>
<tr>
<th>Program</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Basic Firefighter</td>
<td>MC, PV, EM</td>
</tr>
<tr>
<td>Driver Operator</td>
<td>MC</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>GC, MC, PV, SM</td>
</tr>
<tr>
<td>Emergency Response and Operations</td>
<td>GCCC, EM, GC, MC, PC, PV, RSC, SC</td>
</tr>
<tr>
<td>Fire Academy</td>
<td>GC, SC</td>
</tr>
<tr>
<td>Fire Officer I</td>
<td>GC, CG, EM, GC, PC, PV, SC</td>
</tr>
<tr>
<td>Fire Science</td>
<td>CG, GC, PC, PV, RS</td>
</tr>
<tr>
<td>Fire Science Technology</td>
<td>GC, SC, PV, EM</td>
</tr>
<tr>
<td>Firefighter Operations</td>
<td>GC, MC, PC, PV, SC, CGCC, EMCC</td>
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<tr>
<td>Hazardous Materials Response</td>
<td>PC</td>
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</tbody>
</table>

**LIBRARY MEDIA TECHNOLOGY**

<table>
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<tr>
<th>Program</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Library Information Technology</td>
<td>MC</td>
</tr>
<tr>
<td>Library Information Technology: Advanced</td>
<td>MC</td>
</tr>
<tr>
<td>Library Information Technology: Basic</td>
<td>MC</td>
</tr>
<tr>
<td>Library Information Technology: Practitioners</td>
<td>MC</td>
</tr>
<tr>
<td>Library Information Technology: School Library Media Center</td>
<td>MC</td>
</tr>
</tbody>
</table>

**MANUFACTURING**

**DRAFTING TECHNOLOGY**

<table>
<thead>
<tr>
<th>Program</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>CAD Technology</td>
<td>GC</td>
</tr>
<tr>
<td>Basic CAD</td>
<td>GC</td>
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<tr>
<td>CAD/CAM/CNC I</td>
<td>MC</td>
</tr>
<tr>
<td>CAD/CAM/CNC II</td>
<td>MC</td>
</tr>
<tr>
<td>CAD Application</td>
<td>GC</td>
</tr>
<tr>
<td>Commercial Drafting CADD Level II</td>
<td>MC</td>
</tr>
<tr>
<td>Computer Aided Design and Drafting CADD Level I</td>
<td>MC</td>
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<tr>
<td>Computer Aided Drafting</td>
<td>MC</td>
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<tr>
<td>CAD-BIM Technology</td>
<td>PC</td>
</tr>
<tr>
<td>Electro/Mechanical Drafting</td>
<td>MC</td>
</tr>
<tr>
<td>Electromechanical Manufacturing Technology</td>
<td>MC</td>
</tr>
<tr>
<td>Industrial Design Technology</td>
<td>GW</td>
</tr>
<tr>
<td>Industrial Design Technology: Design Specialist: SolidWorks</td>
<td>GW</td>
</tr>
<tr>
<td>Machining I</td>
<td>MC</td>
</tr>
<tr>
<td>Machining II</td>
<td>MC</td>
</tr>
<tr>
<td>Manufacturing Engineering Technology</td>
<td>MC</td>
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<tr>
<td>Manufacturing Management</td>
<td>MC</td>
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<tr>
<td>Production Technology</td>
<td>MC</td>
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<tr>
<td>Manufacturing Productivity: CNC CAD/CAM Programming</td>
<td>GW</td>
</tr>
</tbody>
</table>


Production Technology: CNC Technology GW
Manufacturing Productivity: Conventional Machines Level I GW
Manufacturing Productivity: Conventional Machines Level II GW
Manufacturing Productivity: Engineering Graphics GW
Manufacturing Productivity: Process Improvement GW
Manufacturing Productivity: Team Leadership GW
Production Technology: Quality Assurance GW
Manufacturing Welding MC
Mechanical Drafting MC
Micro Circuit Mask Design MC
Microcomputer Servicing GC
Public Works Leadership EM
Truck Trailer Driving GC

ELECTRONICS/ELECTRICAL TECHNOLOGY
Automation Technology EM, GW, MC
Automation Technology Level I EM, GW, MC
Automation Technology Level II GW
Automation Technology Level III GW
Computer and Networking Technology GC
Electric Utility Technology CG
Electric Utility Design Technology GC
Electrical Technology GW
Electromechanical Automation Technology MC
Electronics Engineering Technology MC
Electronics Manufacturing Technology GC
Electronics Technology MC
Industrial Education MC
Meter Technology CG
Network Maintenance GC
Telecommunications Technology SM
Workforce Development: Electrical Level I RS
Workforce Development: Electrical Level II RS

ENGINEERING
Civil Engineering Technology PC
Surveying Technology PC

WELDING TECHNOLOGY
Welding MC
(See Manufacturing section for additional programs and related areas)

MUSIC
Audio Production Technologies GC, MC, PC, PV, SC
Dance Technology SC
Music Business CG, GC, MC, PC, PV, SC, SM

COMMERCIAL ART/ADVERTISING ART
Computer Graphic Design PC
(See Media Technology section for additional programs and related areas)
Graphic Design, Animation and Web Publishing Design GC
Graphic Design SC
Workforce Development: Graphic Arts Level I RS
Workforce Development: Graphic Arts Level II RS

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS
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 GC
<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>Automotive Performance Technology</td>
<td>MC</td>
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<tr>
<td>Automotive Suspension, Steering and Brakes</td>
<td>GW</td>
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<tr>
<td>Automotive Technology</td>
<td>GC, GW</td>
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<tr>
<td>Brakes, Alignment, Suspension and Steering</td>
<td>MC</td>
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<tr>
<td>Engine Performance and Diagnosis</td>
<td>GW, MC</td>
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<tr>
<td>Transmissions and Power Trains</td>
<td>MC</td>
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<tr>
<td>Workforce Development: Automotive Technology Level I</td>
<td>RS</td>
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<tr>
<td>Workforce Development: Automotive Technology Level II</td>
<td>RS</td>
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