

# MCCCD Degrees

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## 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 '90 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 MCCCCD 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 MCCCCD 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 MCCCDC 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.

## **MCCCDC 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

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- Use technological resources appropriately and productively
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- Work cooperatively and respectfully with others to serve their communities

The general education experience at MCCCDC 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 MCCCDC and the institutions to which MCCCDC 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 (MCCCDC AGECE)** 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 MCCCDC AGECE transfers as a block without loss of credit.

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

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

### Purpose of the AGECEs

There are three types of MCCCDC AGECEs. They are the AGECE-A, the AGECE-B, and the AGECE-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](http://www.aztransfer.com)

#### 1.

The **AGECE-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). AGECE-A requires a minimum of college mathematics or college algebra to satisfy the Mathematics [MA] requirement. AGECE-A Mathematics requirement is less stringent than the AGECE-B and AGECE-S. AGECE-A and AGECE-B Natural Sciences requirements are less stringent than AGECE-S.

#### 2.

The **AGECE-B** is designed to satisfy requirements in business majors that articulate with the Associate in Business. AGECE-B requires a minimum of brief calculus to satisfy the Mathematics [MA] requirement.

#### 3.

The **AGECE-S** is designed to satisfy requirements in majors with more prescriptive mathematics and mathematics-based science requirements. AGECE-S articulates with the Associate in Science. AGECE-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 AGECE 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 AGECE 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 AGECE 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 AGECE.

- 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 AGECE 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 AGECE 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 MCCCDC and the institutions to which MCCCDC 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 MCCCDC colleges;

- Include both course and their modular equivalents. Either the course or the modular equivalents will satisfy the AGECE;

- 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 AGECE-A, AGECE-B, or AGECE-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 AGECEs follow. See the list entitled **MCCCDC Courses That Can Be Used to Satisfy MCCCDC AGECE-A, AGECE-B and/or AGECE-S** for specific course information via the following website:  
[www.maricopa.edu/academic/ccta](http://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.

<b>A. Core Areas</b>	<b>35 Credits</b>
<b>1. First-Year Composition (FYC)</b>	<b>6</b>
<b>2. Literacy and Critical Inquiry [L]</b>	<b>0-3</b>

AGECE-A & AGECE-B: Select a course that satisfies the [L] requirement (3)

AGECE-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)

<b>3. Mathematical Studies [MA/CS]</b>	<b>4-6</b>
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The Mathematics [MA] requirement differs for AGECE-A, AGECE-B, and AGECE-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)

CIS105 Survey of Computer Information Systems

**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. AGEC-S requires eight (8) semester credits of either university chemistry or eight (8) semester credits of university physics or eight (8) semester credits of general biology appropriate

to the major.

The lecture course(s) selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. The lecture and corresponding laboratory course(s) may carry separate credit. Students should consult with an advisor for appropriate course selection. Students should also access the AZ Course Equivalency Guide (CEG) within the AZ Course Applicability System (AZCAS) for information on equivalencies.

## 7. Subject Options

### (Subject based on major) (AGEC S) 6-8

Students completing AGEC S, through careful selection of courses that meet the other major or 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 MCCC 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—for example, contemporary art, business, engineering, music, and the natural and social sciences. Many serious local and national problems are world issues that require solutions which exhibit mutuality and reciprocity. These problems occur in a wide variety of activities, such as food supply, ecology, health care delivery, language planning, information exchange, economic and social developments, law, technology transfer, and even philosophy and the arts. The Global Awareness area recognizes the need for an understanding of the values, elements, and social processes of cultures other than the culture of the United States. The Global Awareness area includes courses that recognize the nature of other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

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

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

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

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

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

The requirement presumes 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 MCCCDC 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](http://www.aztransfer.com)

## Academic Policies that Govern the Associate in Arts Degree

- Completion of the Associate in Arts or the AGECA 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 AGECA 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 AGECA 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 AGECA.

- The General Education Requirements for AGECA 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 (AGECA Core Area, AGECA Awareness Area, MCCCDC 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 AGECA 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 **MCCCDC Courses That Can Be used to Satisfy MCCCDC AGECA, AGECA-B, and/or AGECA-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta](http://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 AGECA or Associate in Arts Degree.

- Courses and their modular equivalents will satisfy AGECA 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 **MCCCDC Courses That Can**

**Be Used to Satisfy MCCC CD AGEC-A, AGEC-B, and/or AGEC-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta](http://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. MCCC CD General Education

The MCCC CD General Education includes two areas: MCCC CD AGEC-A and MCCC CD Additional Requirements.

### MCCC CD AGEC-A

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

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)

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

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

<b>f. Natural Sciences [SQ/SG]</b>	<b>8</b>
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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. MCCC CD 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 MCCCDC Additional Requirements because courses can satisfy a Core Area and MCCCDC 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 web site: [www.aztransfer.com/](http://www.aztransfer.com/)

Students must select MCCCDC 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) MCCCDC 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 MCCC 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](http://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 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-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, MCCC 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 MCCC Courses That Can Be used to Satisfy MCCC AGEC-A, AGEC-B, and/or AGEC S for specific course information via the following website: [www.maricopa.edu/academic/ccta/](http://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 **MCCC Courses That Can Be Used to Satisfy MCCC AGEC-A, AGEC-B, and/or AGEC-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta](http://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 AGECE.

## I. MCCC General Education

The MCCC General Education includes two areas: MCCC AGECE-S and MCCC Additional Requirements.

### MCCC AGECE-S

#### 1. Core Areas **36-38 Credits**

a. **First-Year Composition (FYC)** **6**

b. **Literacy and Critical Inquiry [L]** **0-3**

Select a course that satisfies L (Literacy and Critical Inquiry) and SB (Social and Behavioral Sciences) **OR** L (Literacy and Critical Inquiry) and HU (Humanities and Fine Arts) requirements simultaneously.

c. **Mathematical Studies [MA]** **4**

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

1) Mathematics [MA] S (4 credits)

Select a calculus course MAT220 or MAT221, or

any mathematics course for which MAT220 or MAT221 is a prerequisite,

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

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

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

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

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

Select a course that satisfies both L and 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 AGECE 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. MCCC CD 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 MCCC CD 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](http://www.aztransfer.com)

Students must select MCCC CD 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 MCCC CD **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. MCCC CD General Education

Arizona General Education Curriculum for Arts (AGEC-A)

Additional MCCC CD 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 MCCC 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 AGECA 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 AGECA 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 AGECA 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 AGECA.
- The General Education Requirements for AGECA 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 AGECA 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 MCCC Courses That Can Be used to Satisfy MCCC AGECA, AGECA-B, and/or AGECA-S for specific course information via the following website:  
**[www.maricopa.edu/academic/ccta/](http://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 AGECA or the Associate in Arts Elementary Education degree.
- Courses and their modular equivalents will satisfy AGECA 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. MCCC General Education Requirements

## A. MCCC AGECA

### 1. Core Areas 35-38 Credits

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

b. **Mathematics Studies [MA] and Computer/Statistics/Quantitative Applications [CS]** 6

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  
MHL143 Music in World Cultures

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

1)  
Select 3 semester credits from the following courses:  
HIS103 United States History to 1870  
HIS104 United States History 1870 to Present

**AND**

2)  
Select 3 semester credits from the following courses:  
PSY101 Introduction to Psychology

GCU121 World Geography I: Eastern Hemisphere

GCU122 World Geography II: Western Hemisphere

ECN211 Macroeconomic Principles  
ECN212 Microeconomic Principles  
POS110 American National Government  
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 MCCCCD 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. MCCCCD 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: Health, 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 AGECA 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 AGECA 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 AGECA 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 AGECE.

- The General Education Requirements for AGECE-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 (AGECE-A Core Area, AGECE Awareness Area, MCCC 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 AGECE-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 **MCCC Courses That Can Be used to Satisfy MCCC AGECE-A, AGECE-B, and/or AGECE-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta/](http://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 AGECE-A or Associate in Arts, Fine Arts - Dance Degree.

- Courses and their modular equivalents will satisfy AGECE-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 **MCCC Courses That Can Be used to Satisfy MCCC AGECE-A, AGECE-B, and/or AGECE-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta/](http://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 AGECE requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGECE.

### I. MCCC General Education

The MCCC General Education includes two areas: MCCC AGECE-A and MCCC Additional Requirements.

#### A. MCCC AGECE-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.

Cultural Diversity in the United States [C]

**AND**

Global Awareness [G] **OR**

Historical Awareness [H]

**3. MCCC 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 MCCC Additional Requirements because courses can satisfy a Core Area and MCCC 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) MCCCDC 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 MCCCDC 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](http://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, MCCC 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/](http://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 AGEC-A, AGEC-B, and/or AGEC-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta/](http://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)

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:

- ARH101 Prehistoric Through Gothic Art 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.

## **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. MCCC 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 MCCC Additional Requirements because courses can satisfy a Core Area and MCCC 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 (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:

ADA/ART112	Two-Dimensional Design	3	
ADA/ART115	Three-Dimensional Design	3	
ARH102	Renaissance Through Contemporary Art	3	
ART111	Drawing I	3	
ART113	Color		3
ART255AB	The Portfolio	1	

**Restricted Electives 12 Credits**

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

ART116	Life Drawing I	3	
ART122	Drawing and Composition II	3	
ART131	Photography I	3	
ART151	Sculpture I	3	
ART161	Ceramics I	3	
ART165	Watercolor Painting I	3	
ART167	Painting I	3	

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

**ASSOCIATE IN ARTS, FINE ARTS – 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](http://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 AGECA 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 AGECA 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 AGECA 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 AGECA.

- The General Education Requirements for AGECA 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 (AGECA Core Area, AGECA Awareness Area, MCCCDC 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 AGECA 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 **MCCCDC Courses That Can Be used to Satisfy MCCCDC AGECA, AGECA-B, and/or AGECA-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta/](http://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 AGECA or Associate in Arts, Fine Arts - Theatre Degree.

- Courses and their modular equivalents will satisfy AGECA 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 **MCCCDC Courses that can be used to Satisfy MCCCDC AGECA, AGECA-B, and/or AGECA-S** for specific course information via the following website:

[www.maricopa.edu/academic/ccta/](http://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 AGECA requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to the specific AGECA.

## I. MCCCDC General Education

The MCCCDC General Education includes two areas: MCCCDC AGEC-A and MCCCDC Additional Requirements

### MCCCDC 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. MCCCDC 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 MCCCDC Additional Requirements because courses can satisfy a Core Area and MCCCDC 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

THP267		
Painting Techniques for Film, TV and Theatre 3		
THP271	Voice and Diction	3

**Associate in Arts, Fine Arts –  
Theatre Total Credits 60-64**

**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], [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.

- 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](http://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

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

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

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

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

<b>f. Natural Sciences [SQ/SG]</b>	<b>8</b>
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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 (3)

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 <b>OR</b>	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](http://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 AGECEC 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 AGECEC 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 AGECEC.
- Uses the following policies to help students complete the required Core and Awareness Areas in AGECEC-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 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 MCCC and the institutions to which MCCC 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 **MCCC Courses That Can Be Used to Satisfy MCCC AGEC-A, AGEC-B and/or AGEC-S** for specific course information via the following website: [www.maricopa.edu/academic/ccta](http://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. MCCC General Education

#### MCCC 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 3**

CIS162AD C#: Level I

**Programming II 3**

CIS250 Management Information Systems  
GBS205

Legal, Ethical, Regulatory Issues  
in Business 3

GBS220 Quantitative Issues in Business

**OR**

MAT217 Mathematical Analysis for Business

**OR**

MAT218 Mathematical Analysis for Business 3

GBS221 [CS] Business Statistics 3

ECN211 [SB] Macroeconomic Principles 3

ECN212 [SB] Microeconomic Principles 3

**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**

## **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](http://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](http://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**  
(grade of "C" or better)

**First-Year Composition (6 credits)**  
ENG English [101/107] & [102/108]

**Oral Communication (3 credits)**

COM Communication **100/100AA & 100AB & 100AC/110/110AA & 110AB & 110AC/225/230**

**Critical Reading (3 credits)**

CRE Critical Reading **101**/Equivalent as indicated by assessment

**Mathematics (3 credits) MAT**

Mathematics 102/120/121/122/122AA/  
122AB/122AC/126/140/141/142/150/151/151AA/  
151AB/151AC/151AD/152/156/172/182/187/206/  
212/213/220/221/230/231/240/241/261/262/276/277

equivalent course

Satisfactory completion of a higher level Mathematics course

**Computer Usage (1 credit)**

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

ACC Accounting 115

ADA

Advertising Arts 169/170/170AA/170AB/173/173AA/173AB/173AC/175/175AA/175AB/177/177AA/177AB/any 180  
modules/183/183AA/183AB/183AC/283/283AA/283AB/283AC/289/289AA/289AB/289AC

AGB Agribusiness 139

AJS Administration of Justice Studies **119**/205

AMS Automated Manufacturing System 150

ARC Architecture 243/244/245

ART

Art 100/169/170/170AA/170AB/173/173AA/173AB/173AC/175/175AA/175AB/177/177AA/177AB/179/179AA/179AB/any 180  
module/183/183AA/183AB/183AC/283/283AA/283AB/283AC/289/289AA/289AB/289AC

BIO Biology 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 103/105/any 105 module/ 150/251/any 251 module/any 254 module/256AA

ECH Early Childhood Education 238

EEE Electrical Engineering 120

ELE Electronic 131/181/241/243/245/281

ELT Electronic Technology 131/241/243

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/113/119/130DK/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 211/220/222/223  
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  
HIS  
History 101/102/103/108/109/111/113/114/243/253/254/275  
HUM  
Humanities Any HUM course(s) (EXCEPT 203, 207)  
INT Interior Design 115/120/225  
LAT Latin 201/202  
MHL Music: History/Literature 140/143/145/146/153/155  
PHI  
Philosophy Any PHI Course(s) (EXCEPT 113)  
REL  
Religious Studies Any REL Course(s) (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  
ASB  
Anthropology 102/202/211/214//222/223/230/235/238/245/252  
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 205, 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)  
PSY  
Psychology 101/123/132/156/157/215/218/225/ 235/ 240/241/243/245/250/258/260/266/ 270/277/280/292  
REC Recreation 120  
SBU Society and Business 200  
SLC Studies in Language & Culture 201

## SOC

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

BIO  
Biology 100/101/102/105/107/108/109/145/ 149AF/149AH/149AK/149AL/149AM/149AN/156/160/181/182/201/202/205/241/245  
CHM

Chemistry 107/107LL/130/130LL/150/151/ 151LL/152/152LL/154/154LL/230/230LL

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 203/205

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)**

MAT  
Mathematics 102/120/121/122/122AA/122AB/122AC/126/140/141/142/150/151/151AA/151AB/151AC/  
151AD/152/156//172/182/187/206/212/  
213/220/221/230/231/240/241/251/261/262/equivalent course/satisfactory completion of a higher level mathematics course

## **GENERAL EDUCATION    9-10 Credits** **DISTRIBUTION AREAS**

### **Humanities and Fine Arts    (2-3 credits)**

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

- AIS American Indian Studies 213
- AJS Administration of Justice Studies 123
- ARH Art Humanities Any ARH Course(s)
- ASB Anthropology 211/220/222/223
- 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  
 HIS  
 History 101/102/103/108/111/113/114//243/253/ 254/275  
 HUM  
 Humanities Any HUM course(s) (EXCEPT 203, 207)  
 INT Interior Design 115/120/225  
 LAT Latin 201/202  
 MHL Music: History/Literature 140/143/145/146/153/155  
 PHI Philosophy Any PHI Course(s) (EXCEPT 113)  
 REL  
 Religious Studies Any REL Course(s) (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 (3 credits)**

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

AIS American Indian Studies 101/140/141/160/170  
 AFR African American Studies 202/203/204  
 AJS  
 Administration of Justice Studies 101/162/200/ 225/258/259/270  
 ASB  
 Anthropology 102/202/211/214/222/223/230/ 235/238/245/252  
 ASM Anthropology 104/275  
 CFS Child/Family Studies 157/159/176/205/235/259  
 COM  
 Communications 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 205, 222  
 EMT Emergency Medical Technology 258  
 ENG English 213  
 FOR Forensic Science 275  
 FSC Fire Science 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)  
 PSY  
 Psychology 101/123/125/132/156/157/215/218/ 225/235/240/241/243/245/250/258/260/266/ 270/277/280/292  
 REC Recreation 120  
 SBU Society and Business 200  
 SLC Studies in Language & Culture 201  
 SOC  
 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**

**(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  
CHM  
Chemistry 107&107LL/130&130LL/150&151LL/151&151LL/152&152LL/154&154LL/230&230LL  
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/ 213&215  
PHS Physical Science 110/120  
PHY  
Physics 101/101AA/111/111AA/112/115/116/ 121/131  
PSY Psychology 290AB/290AC

## Academic Certificates (AC)

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### **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

ENG102

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) except 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 (3) 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)	3

CRW200 must be repeated for a total of two (2) credits.

+ CRW200	Readings for Writers (1)	2
+ CRW201	Portfolio	1

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

### Series I:

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

CRW120		
Introduction to Writing Children's Literature		3
CRW160	Introduction to Writing Poetry	3
CRW170	Introduction to Writing Fiction	3
CRW180	Introduction to Writing Nonfiction	3
CRW190	Introduction to Screenwriting	3
THE118	Playwriting	3

### Series II:

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

+ CRW202	The Writer as Witness	3
+ CRW203	Dialogue	3
+ CRW204	Journaling	3
+ CRW220		
Intermediate Writing Children's Literature		3
+ CRW261	Topics in Writing: Poetry	3
+ CRW270	Intermediate Fiction Writing	3
+ CRW271	Topics in Writing: Fiction	3
+ CRW272	Planning and Structuring the Novel	3
+ CRW273	Writing the Novel	3
+ CRW274	Revising the Novel	3
+ CRW275	Writing the Mystery Story	3
+ CRW281	Topics in Writing: Non-Fiction	3
+ CRW290	Intermediate Screenwriting	3
+ CRW291	Topics in Writing: Plays	3

### Restricted Electives (3 credits)

COM243	Interpreter's Theatre	3
+ CRW+++++		

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

+ ENG217	Personal and Exploratory Writing	3
+ ENG219	Life Stories	3
ENG235	Magazine Article Writing	3

+ ENG236	Magazine Writer's Workshop	3
	ENG/THE260 Film Analysis	3
+ ENH+++++		
Any ENH English Humanities prefixed course		3
	HUM/THE210 Contemporary Cinema	3
+ THE220	Modern Drama	3
+ COM/THP241	Introduction to Oral Interpretation	3

## 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
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Select 6 credits from the following courses:

ASB102

Introduction to Cultural and Social Anthropology (3)

COM263

Elements of Intercultural

Communication (3)

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
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### Restricted Electives (12 credits)

ASB211	Women in Other Cultures	3
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ENH/WST284	19th Century Women Writers	3
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ENH/WST285	Contemporary Women Writers	3
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HIS201	History of Women in America	3
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HLR/WST286		
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Women and Health: Body/Mind/

Spirit/Connection 3

HUM/WST209	Women and Films	3
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+PSY235	Psychology of Gender Differences	3
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+PSY258	Domestic Problems and Crises	3
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REL/WST290	Women and Religion	3
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SOC212	Gender and Society	3
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WST105	Women of Color in America	3
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WST110		
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Women and Gender:

A Feminist Psychology		3
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WST120	Gender, Class, and Race	3
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WST128	Law and Violence Against Women	3
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WST160	Women and Early American Experience	3
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WST161	American Women Since 1920	3
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WST200	Essential Feminist Writing	3
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WST261		
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Native Women's Literature:

The Americas		3
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## 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
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#### AGRICULTURAL PRODUCTION AND MANAGEMENT

Agribusiness		MC
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*(See Agribusiness Sales and Service and Horticulture sections for additional programs and related areas)*

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

#### EQUINE TRAINING AND MANAGEMENT

Equine Science SC		
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Veterinary Technology/Animal Health		MC
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#### HORTICULTURE

Landscape Aide	MC	
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Landscape Specialist		MC
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*(See Agricultural Production and Management section for additional programs and related areas)*

Workforce Development: Horticulture		RS
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Workforce Development: Landscape Technology		RS
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## ARCHITECTURE AND CONSTRUCTION

#### AIR CONDITIONING AND REFRIGERATION

Air Conditioning/Refrigeration/Facilities		GW
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Residential and Light Commercial Air Conditioning GW

### APPRENTICESHIP RELATED INSTRUCTION

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

### BUILDING AND CONSTRUCTION

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

### AEROSPACE AND AVIATION

#### AVIATION AND AERONAUTICS

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

### BIOSCIENCE

Biomedical Research Technology CG, GW, SM  
Biotechnology MC  
Biotechnology and Molecular Biosciences GC

### 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
<i>(See Business Administration for additional programs and related areas)</i>		
Accounting Paraprofessional		GC

## BUSINESS ADMINISTRATION

Business		MC, SC
Business (Fastrack)		SC
General Business	CG, GC, MC, PC, RS, SCC, SMC	
<i>(See Management and Finance section for additional programs and related areas)</i>		
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	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 IPC	
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 and Administration	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 EM

### **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	GW
Health Information	PC
Health Information Technology	PC
Health Services Management	GW
Health Unit Coordinating	GW
Histologic Technology	PC
Hospital Central Service Technology	GW
Laboratory Assisting	PC
Computed Tomography	GW
Magnetic Resonance Imaging	GW
Medical Assisting	PC
Medical Coding: Hospital-Based	PC
Medical Billing and Coding: Physician-Based	PC
Medical Front Office	PC
Medical Radiography	GW
Medical Transcription	GW
Medical Transcription	GW
Nuclear Medicine Technology	GW
Patient Care Technician	PC
Perioperative Nursing	GW
Phlebotomy PC	
Physical Therapist Assisting	GW
Polysomnographic Technology	GW
Radiation Therapy	GW
Recovery Support	SM
Respiratory Care	GW
Speech Language Pathology Assistant	EM
Surgical Technology	GW

#### **EMERGENCY MEDICAL TECHNOLOGY**

Advanced Emergency Medical Technology (Paramedic)	GC, PC, PV, SC
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
Paramedicine MC	
Secondary Basic Emergency Medical Technology	PC

#### **DENTAL**

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

#### **NURSING**

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

## **HOSPITALITY AND TOURISM**

#### **FOOD AND NUTRITION**

Advanced Professional Culinary Arts	SC
Baking and Pastry	EM
Basic Culinary Studies	EM
Commercial Baking	PC
Commercial Food Preparation	PC
Culinary Arts	SC
Culinary Studies	EM, PC, MC
Culinary Fundamentals	SC
<i>(See Hospitality section for additional programs and related areas)</i>	
Dietetic Technology	CG, PV
Food Service Administration	PC
Professional Food and Beverage Service	PC
Sustainable Food Systems	PC, MC, RS

## HOSPITALITY

Airline Operations	RS
Airline Operations: Ground Operations	RS
Airline Operations: Initial Flight Attendant	RS
Airline Operations: Passenger Services	RS
Airline Operations: Reservations	RS
Airline Operations: Reservations and Ticketing Operations	RS
Airline Operations: Vacations	RS
Culinary Arts	SC
<i>(See Food &amp; Nutrition section for additional programs and related areas)</i>	
Hospitality and Tourism/Golf Management	SC
Hospitality and Tourism/Hotel Management	SC
Hospitality and Tourism/Restaurant Management	SC
Hospitality and Tourism/Spa and Wellness Center Management	SC
Hospitality/Hotel Management	EM
Hospitality and Tourism/Tourism Development and Management	SC

## HUMAN SERVICES

### GOVERNMENT AND PUBLIC ADMINISTRATION

Public Administration	RS
Tribal Development	SC

### HEALTH AND PHYSICAL EDUCATION/FITNESS

Group Fitness Instructor	GC, MC
Nutrition for Fitness and Wellness	GC, MC
Personal Trainer	GC, MC
Strength and Conditioning	
Personal Trainer	CG, EM, GC, GW, MC, PV, SC, SM
Strength, Nutrition and Personal Training	CG, EM, GC, MC, PV, SC, SM
Teaching, Healing, Meditation & Stress Management	PV
Therapeutic Massage	CG, PC
Yoga Instruction	SC

### JOURNALISM

Journalism	GC, PC, PV, MC, PC, SC
Public Relations	GC MC

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

### PARKS, RECREATION, LEISURE AND FITNESS STUDIES

Recreation Management	MC, PC, SC
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### SOCIAL SCIENCES

Chemical Dependency Level I	RS
Chemical Dependency Level II	RS
Chemical Dependency	RS
Clinical Research Coordinating	GW
Deaf Studies	PC
Interpreter Preparation	PC
Professional Addictions Counseling	RS

### SOCIAL SERVICES

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

### MORTUARY SCIENCE

Mortuary Science	MC
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## INFORMATION TECHNOLOGY

### COMPUTER SCIENCE

Advanced Computer Usage and Applications	RS
Advanced Web Designer	MC
Computer Applications Technology	EM



Computer Applications: Microsoft Office Specialist/Advanced	MC
Computer Applications: Microsoft Office Specialist/Basic	MC
Computer Hardware and Desktop Support	CG, EM, 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 DesignS	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
<i>(See Office Occupations section for additional programs and related areas)</i>	
Microcomputer Applications: Office Specialist/Core Level	CG
<i>(See Office Occupations section for additional programs and related areas)</i>	
Microcomputer Applications: Office Specialist/Expert Level	CG
<i>(See Office Occupations section for additional programs and related areas)</i>	
Microcomputer Business Applications	CG, GC
<i>(See Office Occupations section for additional programs and related areas)</i>	
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, EMCC, 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
<i>(See Allied Health section for additional programs and related areas)</i>	
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

Forensic Science	CG
Forensic Technology	PC
Forensic Science: Crime Lab	SC
Global Citizenship	MC
Homeland Security	CG
Information Assurance	MC
Information Security Forensics	EM, GC, GW
Judicial Studies MC	
Justice and Government Agency Administration Level I	MC
Justice and Government Agency Administration Level II	MC
Justice and Government Agency Administration	MC
Justice Studies CG, MC, SC	
Law Enforcement Field Training	RS
Law Enforcement Investigator	GC
Law Enforcement Technology	RS
Law Enforcement	SC
Law Enforcement Training Academy	GC, CG
Legal Studies MC	
Paralegal	RSC
Police Academy Preparation Level I	SC
Police Science MC, SC	
Police Supervision	GC
Public Safety Technology	RS
Victimology MC	

## **FIRE SCIENCE**

Basic Firefighter	MC, PV, EM
Driver Operator	MC
Emergency Management	GC, MC, PV, SM
Emergency Response and Operations	CGCC, EM, GC, MC, PC, PV, RSC, SC
Fire Academy	GC, SC
Fire Officer I	MC, CG, EM, GC, PC, PV, SC
Fire Science CG, GC, PC, PV, RS	
Fire Science Technology	GC, SC, PV, EM
Firefighter Operations	GC, MC, PC, PV, SC, CGCC, EMCC
Hazardous Materials Response	PC

## **LIBRARY MEDIA TECHNOLOGY**

Library Information Technology	MC
Library Information Technology: Advanced	MC
Library Information Technology: Basic	MC
Library Information Technology: Practitioners	MC
Library Information Technology: School Library Media Center	MC

## **MANUFACTURING**

### **DRAFTING TECHNOLOGY**

CAD Technology	GC
Basic CAD GC	
CAD/CAM/CNC I	MC
CAD/CAM/CNC II	MC
CAD Application	GC
Commercial Drafting CADD Level II	MC
Computer Aided Design and Drafting CADD Level I	MC
Computer Aided Drafting	MC
CAD-BIM Technology	PC
Electro/Mechanical Drafting	MC
Electromechanical Manufacturing Technology	MC
Industrial Design Technology	GW
Industrial Design Technology: Design Specialist: SolidWorks	GW
Machining I MC	
Machining II	MC
Manufacturing Engineering Technology	MC
Manufacturing Management	MC
Production Technology	MC
Manufacturing Productivity: CNC CAD/CAM Programming	GW

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	CG
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
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*(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
<i>(See Media Technology section for additional programs and related areas)</i>	
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**

AGEC-S

### **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

Automotive Performance Technology	MC
Automotive Suspension, Steering and Brakes	GW
Automotive Technology	GC, GW
Brakes, Alignment, Suspension and Steering	MC
Engine Performance and Diagnosis	GW, MC
Transmissions and Power Trains	MC
Workforce Development: Automotive Technology Level I	RS
Workforce Development: Automotive Technology Level II	RS