

# MARICOPA COLLEGES DEGREES

Noble Engineering Science Building

# MCCCD Degrees

## Maricopa County Community College District (MCCCD) 2005-2006

### 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 '93 (Active)  
 Continued at a Public Community College  
 Spring '94, Fall '94 (Active)  
 Transferred to a University  
 Spring '95 ('93 or Any Subsequent Catalog)

#### EXAMPLE B:

Admitted & Earned Course Credit at a Public Community College or University  
 Fall '92 (Active)  
 Enrolled But Earned All Ws, Zs, or Fs  
 Spring '93 (Inactive)  
 Enrolled in Audit Courses Only  
 Fall '93 (Inactive)  
 Nonattendance  
 Spring '94 (Inactive)  
 Transferred to a University  
 Fall '94 ('94 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 '92 (Active)  
 Nonattendance  
 Spring '93, Fall '93,  
 Spring '94 (Inactive)  
 Readmitted & Earned Course Credit at a Public Community College  
 Fall '94 (Active)  
 Transferred to a University  
 Spring '95 ('94 or Any Subsequent Catalog)

#### EXAMPLE B:

Admitted & Earned Course Credit at a Public Community College or University  
 Fall '92 (Active)  
 Nonattendance  
 Spring '93 (Inactive)  
 Readmitted & Earned Course Credit at a Public Community College  
 Summer '93 (Active)  
 Nonattendance  
 Fall '93, Spring '94 (Inactive)  
 Transferred to a University  
 Fall '94 ('92 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 '94 (Active)  
 Continued at a Public Community College  
 Fall '94, Spring '95 (Active)  
 Nonattendance  
 Fall '95 (Inactive)  
 Readmitted & Earned Course Credit at a Public Community College  
 Spring '96 (Active)  
 Transferred to a University  
 Summer '96 ('94 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 Coursework**

In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant. Coursework that is more than eight years old is applicable to completion of degree requirements at the discretion of the student's major department. Departments may accept such coursework, reject it, or request that the student revalidate its substance. The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to less than eight years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs, when completing earlier requirements is no longer possible or educationally sound.

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

**GENERAL GRADUATION REQUIREMENTS**

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

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

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, except in cases where the certificate requires fewer than 12 credit units.
3. have filed an application for the degree or certificate with the Office of Admissions and Records on the date determined by the college/center.

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

4. have a minimum cumulative grade point average of 2.000 at the college granting the degree.
5. have a minimum cumulative grade point average of 2.000 in all courses used to fulfill degree requirements

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

6. have removed, thirty (30) days after the anticipated graduation date, all deficiencies on the record to use those courses toward program completion.
7. have removed any indebtedness to any MCCCDC college/center.
8. have paid required degree or certificate application fee. See fee schedule (page 38) for charges.

See "Graduation with Honors" (page 50) for information on honors designations.

**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) Associate in Arts; (4) Associate in Science; (5) Associate in Business; (6) Associate in General Studies; (7) Associate in Transfer Partnership; and (8) 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 in 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 at the graduate's alma mater. All retraining will be completed in a reasonable time as agreed to by the employer, the student, and the college.

**LICENSURE DISCLAIMER**

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

**MCCCD GENERAL EDUCATION STATEMENT**

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

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

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

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

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

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

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

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

**AGEC**

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

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

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

**Purpose of the AGECS**

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

[http://www.abor.asu.edu/4\\_special\\_programs/atass/index.html](http://www.abor.asu.edu/4_special_programs/atass/index.html)

- Click on Student Information
- Select Degrees and Pathways
- Enter information
- Click Query

1. The **AGEC A** is designed to satisfy requirements in many liberal arts majors as well as other majors that articulate with the Associate in Arts (e.g., social sciences, fine arts, humanities). 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 either university chemistry, university physics or general biology to satisfy the Natural Sciences [SQ/SG] requirement.

#### Academic Policies that Govern the AGECE A, B, S:

- requires 35 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better. Credit units transferred from outside of the district need to be at a grade of "C" or better. A grade of "C" equals 2.0 on a 4.0 grading scale or equivalent;
- uses the following policies to help students complete the required Core and Awareness Areas without exceeding the 35 semester credits

1. Courses can satisfy a Core area and one or two Awareness areas simultaneously.
2. A course cannot be used to satisfy more than one Core area requirement.

- follows the general education policy below:

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

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

- require courses that transfer as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona CEG (Course Equivalency Guide). The course evaluation and/or general education designation as listed in AZCAS is valid for the term in which the student is awarded credit on the transcript;
- require that a minimum of 12 semester credits of course work be taken at any of the MCCCDC colleges;
- include both courses 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.

#### AGECE Requirements

The 35 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:

<http://www.dist.maricopa.edu/academic/curric>

- Select tab labeled Curriculum Procedures Handbook-Programs
- Select Academic Programs
- Select AGECE 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 AGECE A, B, or S list.

#### Credits

A. Core Areas:	Credits
1. First-Year Composition (FYC)	6
2. Literacy and Critical Inquiry [L]	3
3. Mathematical Studies [MA/CS]	6

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

NOTE: The Mathematics [MA] requirement differs for AGECE A, AGECE B, and AGECE S.

AGECE A requires;

a. Mathematics [MA] (3 credits) AND

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.

b. Computer/Statistics/Quantitative Applications [CS]  
(3 credits)

AGEC B requires;

a. Mathematics [MA] (3 credits) AND

NOTE: requires a course in brief calculus (MAT212) or a higher level mathematics course (MAT216, MAT220, or MAT221, or any course for which these courses are prerequisites).

b. Computer/Statistics/Quantitative Applications [CS]  
(3 credits)

AGEC S requires;

a. Mathematics [MA] (3 credits) AND

NOTE: requires a calculus course (MAT220 or MAT221) or any course for which MAT220 or MAT221 are prerequisites.

b. Computer/Statistics/Quantitative Applications [CS]  
(3 credits)

4. Humanities and Fine Arts [HU] 6

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

5. Social and Behavioral Sciences [SB] 6

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

6. Natural Sciences [SQ/SG] 8

To complete the Natural Sciences requirement:

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

The Natural Sciences requirement [SQ/SG] differs for AGE C S. AGE C 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.

#### 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 thirty-five semester credits to complete any of the three MCCC D AGE Cs 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)

6 credits

A total of six semester credits 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]

3 credits

A total of three semester credits 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.

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

6 credits

A total of six semester credits must be completed with a grade of "C" or better in the Mathematical Studies Core Area. One course must be selected from Mathematics [MA]. A second course must be selected from Computer/Statistics/Quantitative Applications [CS].

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

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

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

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] AGE C A

The AGE C 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] AGE C B

The AGE C 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.

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

AGEC A, B, and S [CS] option 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.

**Humanities and Fine Arts [HU] 6 credits**

A total of six semester credits 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 for a total of six semester credits.

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] 6 credits**

A total of six semester credits must be completed with a grade of "C" or better in the Social and Behavioral Sciences Core area. Students are encouraged to choose course work from more than one discipline for a total of six semester credits.

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] 8 credits**

A total of eight semester credits must be completed with a grade of "C" or better in the Natural Sciences Core area.

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

the Natural Sciences Core area must include an introduction to the fundamental behavior of matter and energy in physical or biological systems.

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

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

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

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

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

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

SQ = Natural Science-Quantitative

SG = Natural Science-General

**Awareness Areas**

Students must satisfy two Awareness areas: Cultural Diversity in 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. U.S. history involves the experiences not only of different groups of European immigrants and their descendants, but also of diverse groups of American Indians, Hispanic Americans, African Americans and Asian Americans--all of whom played significant roles in the development of contemporary culture and together shape the future of the United States. At the same time, the recognition that gender, class, and religious differences cut across all distinctions of race and ethnicity offers an even richer variety of perspectives from which to view oneself. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present, and future and can help to foster greater mutual understanding and respect.

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

**Global Awareness [G]**

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

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

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

**Historical Awareness [H]**

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

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

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

**AA**

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

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

**Purpose of the Degree**

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

The semester credits used to satisfy the MCCCD Associate in Arts will apply to university graduation requirements of the university major for which the Associate in Arts is designed. Information regarding the articulation of the Associate in Arts with majors at the Arizona public universities can be accessed via the following website:

<http://az.transfer.org/cas/atass/student/modpath.html>

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

- Completion of the Associate in Arts or the 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;
- 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 courses 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, MCCCD Additional Requirements, or lower-division courses applicable to the major).
- Effective Fall 2000, the course evaluation and/or general education designation as listed in the Arizona Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS), is valid for the term in which the student is awarded credit on the transcript. A course evaluation and/or general education designation may be subject to change. Students do have the option to petition for general education evaluations and/or general education designations upon transfer.



- Courses completed at one of the Maricopa Community Colleges to meet AGEC-A requirements must be listed in the Course Equivalency Guide within the Arizona Course Applicability System as an equivalent course, departmental elective credit (XXXDEC), 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:

<http://www.dist.maricopa.edu/academic/curric>

- *Select tab labeled, "Curriculum Procedures Handbook-Programs"*
- *Select "Academic Programs"*
- *Select "Matrix of MCCCD Courses That Can be Used to Satisfy MCCCD AGEC-A, AGEC-B, and/or AGEC-S."*
- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor.
- Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC-A or Associate in Arts Degree.
- Courses and their modular equivalents will satisfy AGEC-A and Associate in Arts requirements.
- If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

#### Degree Requirements

The 60-64 semester credits required for the Associate in Arts follow. 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:

<http://www.dist.maricopa.edu/academic/curric>

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

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
  - 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 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  
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. MCCCDC Additional Requirements 0-6

Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the 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 [L] [SB] (3 credits)

## b. Critical Reading

A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE 101 and apply it to AGECS-A Core Requirements or if the students demonstrate proficiency through assessment, then the Critical Reading requirement has been satisfied and additional electives may be taken.

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

## II. General Electives

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

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

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

[http://az.transfer.org/cas/students/transfer\\_guides.htm](http://az.transfer.org/cas/students/transfer_guides.htm)

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

For some majors, students must demonstrate 4<sup>th</sup> 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**

## AS

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

## I. General Education:

Arizona General Education Curriculum for Science (AGECS-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. The degree will transfer as a block without loss of credit to Arizona's public universities and other institutions with district-wide articulation agreements.

The semester credits used to satisfy the MCCCDC Associate in Science will apply to university graduation requirements of the university major for which the Associate in Science is designed. Information regarding the articulation of the Associate in Science with majors at the Arizona public universities can be accessed via the following website:

<http://az.transfer.org/cas/atass/student/modpath.html>

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

- Completion of the Associate in Science or the AGECS-S provides for exemption from Arizona public university admission requirements for Arizona residents who have a minimum Grade Point Average of 2.0 on a 4.0=A scale and a minimum 2.5 on a 4.0=A scale for non-residents.
- The graduation policies within the general catalog must be satisfied for completion of the Associate in Science degree.
- A minimum of 60 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better;

- The General Education Requirements for AGEC-S may be completed in 35 semester credits with the following stipulations
  - Courses can satisfy a Core Area and one or two Awareness Areas simultaneously
  - A courses cannot be used to satisfy more than one Core Area
- General Education Courses can satisfy multiple areas within the degree simultaneously (AGEC-S Core Area, AGEC Awareness Area, MCCCCD 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 (XXXDEC), 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 MCCCCD Courses That Can Be used to Satisfy MCCCCD AGEC-A, AGEC-B, and/or AGEC- S for specific course information via the following website:

<http://www.dist.maricopa.edu/academic/curric>

- *Select tab labeled, "Curriculum Procedures Handbook-Programs"*
- *Select "Academic Programs"*
- *Select "Matrix of MCCCCD Courses That Can be Used to Satisfy MCCCCD AGEC-A, AGEC-B, and/or AGEC-S."*
- Courses completed at one of the Maricopa Community Colleges to meet the General Electives requirement must be listed in the Course Equivalency Guide (CEG) within the Arizona Course Applicability System (AZCAS) as an equivalent course, departmental elective credit (XXXDEC), or general elective credit (Elective) at all Arizona public universities. For appropriate course selection, students should consult with an advisor.
- Courses transferred from another regionally accredited institution to one of the Maricopa Community Colleges will be evaluated by the college for inclusion in the AGEC-S or Associate in Science Degree.
- Courses and their modular equivalents will satisfy AGEC-S and Associate in Science requirements.
- If a course is cross-referenced with one or more other courses, then only one of the cross-referenced courses will be accepted to meet requirements.

## Degree Requirements

The 60-64 semester credits required for the Associate in Science follow. See the list titled *MCCCCD Courses That Can Be used to Satisfy MCCCCD AGEC-A, AGEC-B, and/or AGEC S* for specific course information via the following website:

<http://www.dist.maricopa.edu/academic/curric>

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

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. MCCCCD General Education

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

#### MCCCCD AGEC-S

1. Core Areas:
 

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

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

  - 1) Mathematics [MA] S (3 credits)  
Select a calculus course MAT220 or MAT221, or any mathematics course for which MAT220 or MAT221 is a prerequisite.

**AND**

  - 2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
- d. Humanities and Fine Arts [HU]
 

	6
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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
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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.

## 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. MCCCDC Additional Requirements 0-6

Students must satisfy Oral Communication and Critical Reading areas. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the 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 [L] [SB] (3 credits)

## b. Critical Reading

A total of three (3) semester credits is required for the Critical Reading area. However, if students complete CRE 101 and apply it to AGECS 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 AS, but who are undecided on the university to which they will transfer, courses satisfying the General Electives area should be selected from the list of Common Courses, Arizona Transfer Pathway Guides, and/or University Transfer Guides in order for the courses to apply in the major upon transfer.

The list of Common Courses for each major is included in the Arizona Transfer Pathway Guides. University Transfer Guides

are also available for the Arizona public universities. These guides, both statewide and institutional, are accessible on the following web site:

[http://az.transfer.org/cas/students/transfer\\_guides.htm](http://az.transfer.org/cas/students/transfer_guides.htm)

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

For some majors, students must demonstrate 4<sup>th</sup> 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**

## AAEE

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

## I. MCCCDC General Education

Arizona General Education Curriculum for Arts (AGEC-A)

Additional MCCCDC 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 program at an Arizona public higher education institution and/or who plans to become a classroom instructional aide.

The degree transfers as a block without loss of credit to Arizona's public universities. All semester credits applied to the MCCCDC Associate in Arts in Elementary Education also apply to graduation requirements of the university major for which the AAEE was designed, regardless of whether the credit was awarded for completion of course work or for prior learning. (For additional information on credit awarded for prior learning assessment, see the policy on Credit for Prior Learning in the college catalog.)

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

- Requires completion of 60-63 semester credits in courses numbered 100 and above with a grade of "C" or better;
  - Is governed by the following policies to enable students to satisfy AGEC-A requirements without exceeding the 35 semester credits:
    - Courses can satisfy a Core Area Requirement and one or more Awareness Areas simultaneously.
    - Courses can satisfy an Elementary Education Requirement and one or more Awareness Areas simultaneously.
    - A course cannot satisfy more than one Core Area Requirement.
    - 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 listed in the CEG/AZCAS (Course Equivalency Guide/Arizona Course Applicability System) 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 MCCD and the institutions to which MCCD students transfer, students have the option to petition for general education evaluations and/or general education designations.
- \*Note: The Second Summer 2000 term is the last term that the course evaluation and/or the general education designation as listed in the printed Course Equivalency Guide (CEG) is valid for the **academic year** in which the student completes the course. Summer session is included with the previous academic year.
- All courses applied to AGEC-A must transfer as an equivalent course, a departmental elective credit, or general elective credit (E) at all Arizona public universities according to the CEG within the CAS.
  - Follows MCCCED graduation policies within the college catalog;
  - Recognizes both courses and their modular equivalents; either a course or its modular equivalents satisfy the Associate in Arts in Elementary Education requirements;
  - Recognizes both courses and their cross-references as equivalent courses;
  - Provides exemption from Arizona public university admission requirements for students who complete the AAEE 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**

I. MCCCED General Education Requirements	Credits
A. MCCCED AGEC - A	
1. Core Areas	35-38
a. First-Year Composition [FYC]	6
ENG101/102 <b>OR</b>	
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  
Select 3 semester credits from the following courses:  
    COM225 Public Speaking, or  
    COM230 Small Group Communication
  - d. Humanities and Fine Arts [HU]           6  
    1. Select (3) semester credits from the following courses:  
        ARH100 Introduction to Art  
        ARH101 Prehistoric through Gothic Art  
        ARH102 Renaissance through Contemporary Art
- AND**
2. Select (3) semester credits from the following courses:  
    ENH110 Introduction to Literature  
    ENH241 American Literature Before 1860  
    ENH242 American Literature After 1860  
    EDU/ENH291 Children's Literature  
    HUM250 or HUM251 Ideas and Values in the Humanities  
    THE111 Introduction to Theatre  
    THE220 Modern Drama  
    DAH100 Introduction to Dance  
    DAH201 World Dance Perspectives
  - 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  
    ECN111 Macroeconomic Principles  
    ECN112 Microeconomic Principles  
    POS110 American National Government  
    ECH/CFS176 Child Development
- f. Natural Sciences – Science-Quantitative [SQ] and Science-General [SG]           8  
To complete the Natural Sciences requirement, select a total of 8 semester credits from the following categories. At least 4 credits must be SQ courses. You can select 4 semester credits of SG and 4 semester credits of SQ for a total of 8 semester credits. Natural Sciences courses must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory are awarded separate credit, both will be counted as equivalent to one course in that discipline.

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

1. Life Sciences  
**AND**
2. Physical Sciences  
**OR**  
Earth/Space Sciences

2. Awareness Areas 0

The MCCCDC AEEE 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.

3. MCCCDC Additional Requirements 0-3

a. Oral Communication  
Satisfied by COM225 or COM 230 taken for Literacy and Critical Inquiry Requirement

b. Critical Reading  
CRE101 or exemption by testing

II. Elementary Education Requirements 25

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

A. Education Foundations 15

Complete the following courses to satisfy the Education Foundations requirements:

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

B. Electives for Arizona Professional Teacher Standards 10

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

Courses must transfer to all public Arizona universities as Elective Credit, Departmental Elective, or Equivalent to a university course as indicated in the Arizona Course Equivalency Guide in effect when the course is taken. Courses identified as Non-transferable in the Arizona Course Equivalency Guide cannot be used to satisfy this requirement.

- 1) Additional Education Course Requirement  
Select any EDU course (except EDU221, EDU222, EDU230 and 250) to satisfy this requirement.

2) Content Area Electives

Select 7 credits from the following:  
Any ARH, ART, CIS, BPC, ENG, ENH, GPH, HIS, MHL, MTC, POS, THE, THP prefixed course(s)  
Any EDU prefixed course(s) (except EDU250)  
Any MAT (courses numbered higher than 142 except MAT150, MAT151, MAT152, MAT156 and MAT157)  
Any Foreign Language course(s)  
Any Natural Science course(s)  
CFS/ECH176 Child Development

**AAEE Total Credits:**

**60-63**

## ABUS - GR

**Description:** The Maricopa County Community College District **Associate in Business General Requirements** (ABUS GR) degree requires a total of 62-63 semester credits for the program of study. The degree has three major components:

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

### Purpose of the Degree

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

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

### Academic Policies that Govern the Associate in Business General Requirements Degree:

- requires 62-63 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better
- uses the following policies to help students complete the required Core and Awareness Areas in 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 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, AGECE 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 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 *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:

<http://www.dist.maricopa.edu/academic/curric>

- Select tab labeled, "Curriculum Procedures Handbook-Programs"
- Select "Academic Programs"
- Select "Matrix of MCCC Courses That Can be Used to Satisfy MCCC AGECE-A, AGECE-B, and/or AGECE-S."

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 AGECE A, B, or S list.

I. MCCC General Education	Credits
A. MCCC AGECE B	

- |   |    |
|---|----|
| 1. Core Areas:  | 35 |
| a. First-Year Composition (FYC)   | 6  |
| b. Literacy and Critical Inquiry [L]  | 3  |
| c. Mathematical Studies [MA/CS]   | 6  |
| To complete the Mathematical Studies requirement select one course to satisfy Mathematics [MA] 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  |    |
| <b>AND</b>  |    |
| 2) Computers/Statistics/Quantitative Applications [CS] (3 credits).   |    |
| Note: Students are encouraged to select GBS221 or CIS105 to satisfy [CS].   |    |
| 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  |
| 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 <b>cannot</b> 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**

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

Complete the following:

Accounting:

\* ACC111 & ACC230 & ACC240

OR

\*\* ACC211 & ACC212

6-7

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

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

CIS105 [CS]	3
ECN111 [SB]	3
ECN112 [SB]	3
GBS205	3
GBS220 or MAT172 [MA]	3
GBS221 [CS]	3

Business Elective: 3

Select from the following options:

- CIS158 [CS] COBOL Programming I
- CIS159 [CS] Visual Basic Programming I
- CIS162AA [CS] C: Level I
- CIS162AB [CS] C++: Level I
- CIS162AC [CS] Visual C++: Level I
- CIS163AA [CS] Java Programming: Level I
- GBS151 Introduction to Business
- GBS233 [L] Business Communication
- MGT251 Human Relations in Business
- MGT253 Owning and Operating a Small Business
- REA179 Real Estate Principles I

**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

**ABUS - SR**

**Description:** The Maricopa County Community College District **Associate in Business, Special Requirements (ABus SR)** degree requires a total of 62-63 semester credits for the program of study. The degree has three major components:

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

**Purpose of the Degree**

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

<http://az.transfer.org/cas/atass/index.html>

- Click on Student Information
- Degrees and Pathways
- Enter information
- Click Query

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

**Academic Policies that Govern the Associate in Business Special Requirements Degree:**

- requires 62-63 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better
- uses the following policies to help students complete the required Core and Awareness Areas in AGECE 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 (AGECE B Core Area, AGECE 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 MCCCDC and the institutions to which MCCCDC 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, "MCCCDC Courses That Can Be Used to Satisfy MCCCDC AGEC A, AGEC B and/or AGEC S" for specific course information via the following website:

<http://www.dist.maricopa.edu/academic/curric>

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

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.

<b>I. MCCCDC General Education</b>		<b>Credits</b>
<b>A. MCCCDC AGEC B</b>		
1. Core Areas:		35
a. First-Year Composition (FYC)		6
b. Literacy and Critical Inquiry [L]		3
c. Mathematical Studies [MA/CS]		6
To complete the Mathematical Studies requirement select one course to satisfy the Mathematics [MA] B and a second course from Computer/Statistics/Quantitative Applications [CS]		
1) Mathematics [MA] (3 credits)		
MAT212, Brief Calculus, or a higher level mathematics course		

### AND

2) Computer/Statistics/Quantitative Applications [CS]

**Note:** Students are encouraged to select GBS221 or

CIS105 to satisfy [CS].

- |  |   |
|--|---|
| d. Humanities and Fine Arts [HU]   | 6 |
| Students are encouraged to choose 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 |
| 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, <b>OR</b> eight (8) semester credits of [SQ]. Students <b>cannot</b> 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

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 & ACC230 & ACC240

### OR

\*\* ACC211 & ACC212

6-7

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

\*\* MCCCDC ACC111 and ACC112 together are equivalent to ACC211.

Programming I (Visual Basic):

3

CIS159 [CS]

Programming II (Java):	3
CIS163AA	
GBS205	3
GBS220 or MAT172 [MA]	3
GBS221 [CS]	3
ECN111 [SB]	3
ECN112 [SB]	3

### III General Electives 0-6

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

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

ABus SR Total Credits: 62-63

## AGS

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

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

### Academic Policies That Govern the Associate in General Studies Degree:

- requires a minimum of 60 semester credits in courses numbered 100 and above.
- AGS degree requirements follow with the use of a diagonal character (/) between course numbers to signify options. An asterisk (\*) following the course number defines requirements with an effective begin term of spring;
- requires grades as listed for specific areas such as the General Studies Education Core where a minimum grade of "C" is required. Courses applied to other areas may be completed with a minimum grade of "D";
- uses the following policies for course(s) satisfying multiple program areas;
  1. A course can simultaneously satisfy one Core area and one Distribution area. Courses that meet this criterion are **bold print** and underscored in the Core areas and Distribution areas.
  2. A course cannot satisfy more than one Core area, even if it is approved for more than one Core area.

3. A course cannot satisfy more than one Distribution area, even if it is approved for more than one Distribution area.

- follows the graduation policies within the general catalog;
- includes both courses and their modular equivalents; either the course or the modular equivalents will satisfy the Associate in General Studies;
- accepts one of the courses that is cross-referenced with other courses;
- provides for exemption from Arizona university admission requirements for students who complete the Associate in General Studies degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

### DEGREE REQUIREMENTS

#### **GENERAL EDUCATION CORE**

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

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

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

#### **Oral Communication (3 credits)**

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

#### **Critical Reading (3 credits)**

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

#### **Mathematics (3 credits)**

MAT Mathematics 102/105/120/121/122/122AA/122AB/122AC/126/142/150/151/151AA/151AB/151AC/151AD/152/156/162/172/182/187/206/212/216/220/221/225/226/227/230/231/236/241/262/  
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 115/115AA/115AB/115BA/115BB  
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 117/**119**/205

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

BPC Business-Personal Computers Any BPC Course(s)

CFS Child/Family Studies 180

CIS Computer Information Systems Any CIS Course(s)

CSC Computer Science Any CSC Course(s)

CTR Court Reporting 101/102  
 DFT Drafting Technology 103/105/any 105 module/  
 150/151/200/201/251/any 251 module/253/  
 any 253 module/any 254 module/any 256 module  
 ECE Engineering Science 102/102AA/103/103AB/139  
 ECH Early Childhood Education 238  
 EEE Electrical Engineering 120  
 ELE Electronic 115/150/181/241/243/245/281  
 ELT Electronic Technology 131/131AA/131AB/  
 241/243/249/273/281/282  
 ENG English 100AE  
 FON Food & Nutrition 100/100AA/100AC/100AD/140BC  
 GPH Physical Geography 217/219  
 HRM Hotel Restaurant Management 126  
 JRN Journalism 133  
 LAS Legal Assisting 229  
 LBT Library Technology 106  
 MAT Mathematics 206  
 MET Manufacturing Technology 105AA/264  
 MTC Music Theory/Composition 191  
 NET Networking Technology 181/181AA/181AB/247  
 OAS Office Automation Systems 111AA/111AB/113/  
 113AA&113AB/119/130/any 130 module/any 135  
 module/any 235 module  
 PSY Psychology 230  
 QCT Quality Control Technology 274  
 SBS Small Business 211  
 SMT Semiconductor Manufacturing Technology 131/  
 131AA/131AB/150  
 TCM Telecommunications 106  
 TVL Travel Agent Technology 203/205  
 VPT Video Production Technology 106

## GENERAL EDUCATION DISTRIBUTION

### AREAS (28-29 credits)

#### Humanities and Fine Arts (9 credits)

Students are encouraged to choose courses from more than one discipline. Select nine (9) credits from the following:

AIS American Indian Studies 213  
 AJS Administration of Justice Studies 123  
 ARH Art Humanities Any ARH Course(s)  
 ASB Anthropology 211/222/223  
 COM Communication 241  
 DAH Dance Humanities 100/201  
 EDU Education 291/292/294  
 ENG English 200/260  
 ENH English Humanities Any ENH Course(s)  
 FRE French 265/266  
 HCR Health Care Related 210  
 HIS History 109/243  
 HUM Humanities Any HUM course(s)  
 INT Interior Design 115/120/225  
 LAT Latin 201/202  
 MHL Music: History/Literature 140/143/145/146/147/  
 153/155  
 PHI Philosophy Any PHI Course(s) (EXCEPT 113)  
 REL Religious Studies Any REL Course(s)  
 SPA Spanish 265/266  
 SPH Spanish Humanities 150/151/245

STO Storytelling 292/294  
 SWU Social Work 102/171/258/292  
 TCM Telecommunication 145  
 THE Theater 111/205/206/210/220/260  
 THP Theater/Performance/Production 241  
 WST Women's Studies 209/284/285

### Social and Behavioral Sciences (9 credits)

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

AFR African American Studies 110/203/204  
 AIS American Indian Studies 101/105/140/141/160/170  
 AJS Administration of Justice Studies 101/119/200/225  
 259/270  
 ASB Anthropology 100/102/202/211/214//222/223/230/  
 235/238/245  
 ASM Anthropology 104  
 CFS Child/Family Studies 157/159/176/205/259  
 COM Communication 100/100AA&100AB&100AC/

### 110/110AA&110AB&110AC/230/250/263

ECH Early Childhood Education 176  
 ECN Economics Any ECN Course(s)  
 EDU Education 221/222  
 EMT Emergency Medical Technology 258  
 FSC Fire Science 258  
 FUS Future Studies 101  
 GBS General Business 280  
 GCU Cultural Geography 102/121/122/141/221/253  
 HES Health Science 100  
 HIS History any HIS Course(s)  
 IBS International Business 109  
 MCO Mass Communications 120  
 PHI Philosophy 243  
 POS Political Science Any POS course(s)  
 PSY Psychology 101/123/132/156/157/215/218/235/  
 240/245/250/258/259/260/266/270/277/280/281/292  
 REC Recreation 120/160  
 REL Religious Studies 243  
 SBU Society and Business 200  
 SOC Sociology Any SOC course(s) (EXCEPT 242)  
 SWU Social Work 102/171/258/292  
 TEC Textiles and Clothing 105/106  
 WED Wellness Education 100/110  
 WST Women's Studies 100/105/110/120/160/161  
 YAQ Yaqui Indian History & Culture 100

### Natural Sciences (7-8 credits)

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

AGS Agricultural Science 164,183  
 ASB Anthropology 231  
 ASM Anthropology 104, 265  
 AST Astronomy 101/102/111/112/113/114  
 BIO Biology 100/101/102/105/107/108/109/110/145  
 149AF/149AH/149AI/149AJ/149AK/149AL/  
 149AM/149AN/150/156/160/181/182/201/  
 205/241/247

CHM Chemistry 107/107LL/130/130LL/151/151LL/  
152/152LL/154/154LL/230/230LL  
GLG Geology Any GLG course(s)  
GPH Physical Geography 111/112/113/210/211/212/214  
ISS Interdisciplinary Science Studies 111/112  
PHS Physical Science 110/120  
PHY Physics 101/111/112/115/116/121/131/252  
PSY Psychology 290AB/290AC

**Literacy & Critical Inquiry (3 credits)**

AIS American Indian Studies 213  
CCS Chicana and Chicano Studies 101  
COM Communication 207/222/**225**/**230**/241  
CRE Critical Reading **101**  
DAH Dance Humanities 201  
ENG English 111/200/213/215/216/217/218  
ENH English Humanities 254/255  
FON Food & Nutrition 206  
GBS General Business 233  
GPH Physical Geography 211  
HCR Health Care Related 220  
HUM Humanities 250/251  
IGS Integrated Studies 290AA&290AB/291/293  
JRN Journalism 201/212/234  
MCO Mass Communications 220  
PHI Philosophy 103/106/225  
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.

**AAS Requirements****Purpose of the Degree**

The Maricopa County Community College District **Associate in Applied Science** (AAS) degree is recommended for students who wish to gain a depth of technical expertise by completing an occupational program presented in the college catalog. Students should consult this catalog to determine specific program requirements.

**Academic Policies that Govern the 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-residents.

**GENERAL EDUCATION CORE**

(15 credits - grade of "C" or better.)

Demonstrate college-level skills in the following areas:

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

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

**Oral Communication (3 credits)**

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

**Critical Reading (3 credits)**

CRE Critical Reading 101/111/  
Equivalent as indicated by assessment

**Mathematics (3 credits)**

MAT Mathematics 102/105/120/121/122/122AA/122AB/  
122AC/126/142/150/151/151AA/151AB/151AC/  
151AD/152/156/162/207/172/182/187/212/216/  
220/221/225/226/227/230/231/236/240/241/262/  
equivalent course/  
Satisfactory completion of a higher level mathematics course

**GENERAL EDUCATION DISTRIBUTION AREAS  
(9-10 credits)****Humanities and Fine Arts (2-3 credits)**

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

AIS	American Indian Studies 213
AJS	Administration of Justice Studies 123
ARH	Art Humanities Any ARH Course(s)
ASB	Anthropology 211/222/223
COM	Communication 241
DAH	Dance Humanities 100/201
EDU	Education 291/292/294
ENG	English 200/260
ENH	English Humanities Any ENH Course(s)
FRE	French 265/266
HCR	Health Care Related 210
HIS	History 243
HUM	Humanities Any HUM course(s)
INT	Interior Design 115/120/225
LAT	Latin 201/202
MHL	Music: History/Literature 140/143/145/146/147/ 153/155
PHI	Philosophy Any PHI Course(s) (EXCEPT 113)
REL	Religious Studies Any REL Course(s)
SPA	Spanish 265/266
SPH	Spanish Humanities 150/151/245
STO	Storytelling 292/294
TCM	Telecommunication 145
THE	Theater 111/205/206/210/220/260
THP	Theater/Performance/Production 241
WST	Women's Studies 209/284/285

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

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

AIS	American Indian Studies 101/105/141/160/170
AFR	African American Studies 110/203/204
AJS	Administration of Justice Studies 101/200/258/259/270
ASB	Anthropology 100/102/202/211/214/222/223/230/ 235/238/245
ASM	Anthropology 104
CFS	Child/Family Studies 157/159/176/205/259
COM	Communications 100/100AA & 100AB & 100AC/ 110/110AA & 110AB & 110AC/230/250/263
ECH	Early Childhood Education 176
ECN	Economics Any ECN course(s)
EDU	Education 221/222
EMT	Emergency Medical Technology 258
FSC	Fire Science 258
FUS	Future Studies 101
GBS	General Business 280
GCU	Cultural Geography 102/121/122/141/221/223/253
HES	Health Science 100
HIS	History Any HIS course(s)
IBS	International Business 109
MCO	Mass Communications 120
PHI	Philosophy 243
POS	Political Science Any POS course(s)

PSY	Psychology 101/123/125/132/156/157/215/218/ 225/235/240/245/250/258/259/260/266/270/277/ 280/281/292
REC	Recreation 120/160
REL	Religious Studies 243
SBU	Society and Business 200
SOC	Sociology Any SOC course(s) (EXCEPT 242)
SWU	Social Work 102/171/258/292
TEC	Textiles and Clothing 105/106
WED	Wellness Education 100/110
WST	Women's Studies 100/105/110/120/160/161
YAQ	Yaqui Indian History & Culture 100

**Natural Sciences (4 credits)**

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

AGS	Agricultural Science 164
ASB	Anthropology 231
ASM	Anthropology 104/265
AST	Astronomy 101/102/111/112/113/114
BIO	Biology 100/101/102/105/107/108/109/ 110/145/149AN/150/156/160/181/182/201/ 205/241
CHM	Chemistry 107/107LL/130/130LL/151/151LL/ 152/152LL/154/154LL/230/230LL
GLG	Geology Any GLG course(s) (EXCEPT 140/ 251MC/275)
GPH	Physical Geography 111/112/113/212/214
ISS	Interdisciplinary Science Studies 111/112
PHS	Physical Science 110/120
PHY	Physics 101/111/112/115/116/121/131/252
PSY	Psychology 290AB/290AC

**AC****Purpose of the Academic Certificate (area of emphasis)**

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

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

- generally ranges from 12-39 credit hours in courses numbered 100 or above, although there is no minimum number of credit hours required for an Academic Certificate;
- requires a cumulative GPA of 2.0 or better for completion;

- follows the graduation policies within the general catalog;
- accepts one of the courses that is cross-referenced with other courses;
- includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Academic Certificate requirements;
- does not presume block transfer value. Consequently, in most cases the Academic Certificate should not be a subset of an existing transfer degree;
- may have admission criteria established by the college if and when appropriate;
- is for the most part college specific

## 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:

<http://www.dist.maricopa.edu/academic/curric/>

- Click on "Program Search."
- Click on "View Programs by College."
- Click on the name of the college.
- Click on "Associate in Transfer Partnership (ATP) Degree Information."

### 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

#### ELEMENT CREDITS

MCCCD General Studies Education Core	19
Approved Lower Division Transfer Courses (Major dependent with maximum to be determined by receiving baccalaureate degree granting institution)	Variable
<b>Associate in Transfer Partnership Degree Total Hours</b>	<b>60 minimum</b>

Associate in Transfer Partnership degrees are available in the following areas. Other ATP degrees may be added later depending on curricular needs:

General Business	Psychology
Elementary Education	Social Work
Housing & Urban Development	Kinesiology
Accountancy	Computer Information Systems
Construction	Nutrition
American Indian Studies	Nursing
K-12 Classroom Instructional Support	Exercise and Wellness
Global Business	Recreation

# MCCCD Occupational Programs Matrix – 2005-2006

<u>Areas/Programs</u>	<u>Colleges</u>
<b>AGRICULTURE</b>	
<b>Agribusiness Sales and Service</b>	
Pest Management Aide	MC
<b>Agricultural Production and Management</b>	
Agribusiness	GC, MC
<i>(See Agribusiness Sales and Service and Horticulture sections for additional programs and related areas)</i>	
Ranch and Livestock Management Aide	MC
Ranch and Livestock Management Specialist	MC
Urban Horticulture	GC, MC
<i>(See Horticulture section for additional programs and related areas)</i>	
<b>Equine Training and Management</b>	
Equine Science	SC
Veterinary Technician/ Animal Health	MC
<b>Horticulture</b>	
Landscape Aide	MC
Landscape Design and Installation	GC
Landscape Management	GC
Landscape Specialist	MC
Nursery Operations	GC
<i>(See Agricultural Production and Management section for additional programs and related areas)</i>	
<b>BUSINESS</b>	
<b>Accounting</b>	
Accounting	PC
Accounting - Specialized Para-Professional	PV
Bookkeeping	SC
Bookkeeping / Accounting	GW
Microcomputer Accounting	GW, PC, PV
<i>(See Business Administration for additional programs and related areas)</i>	
Paraprofessional Accounting	GC
<b>Business Administration</b>	
Business	MC, SC
Business (Fastrack)	SC
General Business	CG, GC, GW PC, PV
<i>(See Management section for additional programs and related areas)</i>	
Import / Export Trade	GW, MC, PV
International Business	GW, MC, PV, SC

<u>Areas/Programs</u>	<u>Colleges</u>
<b>Computer Science</b>	
Computer Applications Technology	EM
Computer Hardware and Desktop Support	CG, EM, GW, MC, PC, SC
Computer Information Systems	GC, MC, PC, PV, SC, SM
Computer Programming and Analysis	SM
Information Technology	SM
Helpdesk Specialist	GC
Linux Systems Administration	SM
Oracle Applications Developer	GC, EM
Oracle Database Operations	CG
Oracle Database Administration	GC, EM
Personal Computer Applications	SC
Web Design	GC, GW, PV
Web Design and Development	SC
Web Developer	GC, GW, PC, PV, EM
Computer Networking Technology	PV
Computer Systems Maintenance	PV
Computer Technology	EM, RS
Computer Usage and Applications	RS
Desktop Publishing	EM, RS
Network Professional	RS
Web Master	RS
Database Development	SC
Education Technology	GW
Geographic Information Systems	MC
Information Assurance	MC
Internet/ Intranet Web Development Technology	MC
Internet Design and Development	SM
Linux Associate	EM, GC, GW, MC, SM
Linux Networking Administration	CG, EM, GC, GW, MC, SM
Linux Professional	CG, EM, GC, GW, MC, PV, SM
Microcomputer Applications	GC
<i>(See Office Occupations section for additional programs and related areas)</i>	
Microcomputer Applications: Office Specialist/ Core Level	CG
Microcomputer Applications: Office Specialist/ Expert Level	CG
<i>(See Office Occupations section for additional programs and related areas)</i>	

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Computer Science (continued)

<u>Areas/Programs</u>	<u>Colleges</u>	<u>Areas/Programs</u>	<u>Colleges</u>
Microcomputer Business Applications <i>(See Office Occupations section for additional programs and related areas)</i>	CG, GC	<b>Finance</b> Banking and Finance Fiduciary Practices Real Estate	PC PC GC, MC, PC
Microsoft Applications Specialist	SM	<b>Management</b> Business Management	SM PC
Microsoft Database Administration	CG	Credit Union Management	GW, PC
Microsoft Networking Technology	CG, EM, GC, GW, PV, SC	General Business Management	PC, MC, SC PC
Computer Applications: Microsoft Office Specialist/Advanced	MC	Management I	PC
Computer Applications: Microsoft Office Specialist/Basic	MC	Management II	GC, PV
Microsoft Product Specialist	CG, EM, GC, GW, PC, PV, SC	Middle Management Public Administration Public Administration: Legal Services Public Relations	RS RS GC
Microsoft Solutions Development	CG, EM, GC, GW, MC, PC, PV, SC	<i>(See Middle Management section for additional programs and related areas)</i> Retail Management	CG, EM, GC, GW, MC, PC, PV, RS, SM
Microsoft Systems Administration	CG, GC, EM, GW, PC, PV, SC, SM	Small Business Small Business Entrepreneurship Small Business Management	MC GC, SM EM
Microsoft Systems Engineer	CG, EM, GC, GW, PV, SC	Supervision Supervision and Management I Supervision and Management II	GC SM SM
Network Administration	SC	Supply Chain and Operations Management Tribal Development	GW SC
Network Administration: CISCO Network Associate	MC	<b>Marketing</b> Marketing Marketing I Marketing II Salesmanship	MC, PC, SC PC PC MC
Network Administration: CISCO Network Professional	MC	<b>Media Technology</b> Motion Picture/Television Production Broadcast Production Digital Photography Editing Film Analysis and Criticism Film Production Screenwriting Maricopa Institute for Arts and Entertainment Media Arts: Computer Art/Illustration	SC SC PC SC SC SC SC SC CG, MC, PC, PV
Network Administration: Microsoft Windows NT	MC	Media Arts: Desktop Publishing Media Arts: Digital Animation Media Arts: Digital Imaging Media Arts: Music Technology Media Arts: Web Page Design Video Production Technology	MC, PC MC, PC CG, PC, MC MC PC, MC GC
Network Administration: Novell	MC		
Network Administration: UNIX-Solaris	MC		
Network Administration: Microsoft Windows Professional	RS		
Network Security	MC		
Networking	RS		
Networking Administration: Cisco	CG, EM, GC, GW, PC, SM		
Networking System Administration	MC		
Networking Technology: Cisco	CG, EM, GC, GW, PC, SM		
Programming	RS		
Programming Methodology	MC		
Programming and System Analysis	EM, GC, GW, MC, PC, PV, SC		
Software Development	SC		
Technology Helpdesk Support	RS		
Technology Troubleshooting and A+ Preparation	RS		

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**Middle Management**

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



<u>Areas/Programs</u>	<u>Colleges</u>	<u>Areas/Programs</u>	<u>Colleges</u>
<b>Office Occupations</b>		Health Unit Coordinating	GW
Administrative Information Management Support	PV	Histology Technician	PC
Administrative Office Coordinator	GC	Hospital Central Service Technology	GW
Call Center Support	GC	Laboratory Assisting	PC
Office Software Application Specialist Level I	MC	Medical Assisting	PC
Computer Applications	PC	Medical Billing	PC
Computer Software Applications	PV	Medical Coding: Hospital-Based	PC
Court Reporting	GW	Medical Coding: Physician Based	PC
Data Entry Clerk	GC	Medical Front Office	PC
General Office Secretary	GC	Medical Radiography	GW
Legal Assisting	PC	Medical Transcription	GW
Legal Secretarial	PC	Nuclear Medicine Technology	GW
Medical Office Support	PC	Patient Care Technician	PC
Medical Office Support: Basic Clerical	PC	Perioperative Nursing	GW
Medical Office Support: Basic Transcription	PC	Phlebotomy	PC
Office Automation Systems	GW, PV, SC, SM	Physical Therapist Assisting	GW
Office Coordinator	GC	Respiratory Care	GW
Office Fundamentals	SC	Respiratory Care Technology	GW
Office Software Application Specialist Level II	MC	Speech Language Pathology	SC
Office Specialist: Computer Applications	GW	Surgical Technician First Assistant	GW
Office Support	GW, PC	Surgical Technology	GW
Office Support I	PC	<b>Dental</b>	
Office Support II	PC	Clinical Dental Assisting	RS
Receptionist	GC	Dental Assisting	PC
Scoping	GW	Dental Hygiene	PC, RS
Word Processing	SC	Dental Office Management	PC
<b>Total Quality Management</b>		<b>Emergency Medical Technology</b>	
Organizational Leadership	CG, EM, GW, MC, PV, RS,	Advanced Emergency Medical Technology (Paramedic)	GC, PC, SC
Pharmacy Customer Service	RS	Basic Emergency Medical Technology	GC, MC, PC, PV, SC
Quality Customer Service	GW, MC, RS	Emergency Communications and Deployment	PC
Automobile Insurance: Customer Service	RS	Intermediate Emergency Medical Technology	MC, PC
Credit Counseling: Customer Service	RS	<i>(See Allied Health section for additional programs and related areas)</i>	
Credit Card: Customer Service	RS	Paramedicine	MC
Digital Telecommunications: Customer Service	RS	<b>Nursing</b>	
Human Services-Assistance: Customer Serv.	RS	Nursing	GC, GW, MC, PC, PV, SC, RS
Human Serv.-Long Term Care: Cust. Serv.	RS	Nurse Assisting	GC, GW, MC, PC, PV, SC, RS
Human Services-Specialist: Customer Service	RS	Fast Track Practical Nursing	GW
Insurance-Customer Service	RS	Practical Nursing	GC, GW, MC, PC, PV, SC, RS
Telecommunications: Customer Service	RS		
Travel Agency: Customer Service	RS		
Utilities Customer Service	RS		
Quality Process Leadership	GW, MC, RS		
Total Quality Management	EM		
<b>HEALTH OCCUPATIONS</b>		<b>HOME ECONOMICS</b>	
<b>Allied Health</b>		<b>Early Childhood Education</b>	
Advanced Behavioral Health Sciences	SM	Adolescent Studies	PC
Basic Behavioral Health	SM	Child Care	MC
Community Health Advocate, Diabetes	MC, SC	Child Care Administration	PC
Developmental Disabilities Specialist	GC, CG	Child Development	MC
Diagnostic Medical Ultrasound	GW	Classroom Management for Infants, Toddlers and Preschool Children	PC
Direct Care Practice	MC		
EKG/Telemetry Technician	PC		
Health Information	PC		
Health Information Technology	PC		
Health Services Management	GW		

<u>Areas/Programs</u>	<u>Colleges</u>	<u>Areas/Programs</u>	<u>Colleges</u>
Early Childhood Development	SC, SM	Detention Services	RS
Early Childhood Education	PV, GC	Evidence Technology	PC
Early Childhood Small Business Management	SC	Fingerprint Classification and Identification	PC
Family Resources	PC	Judicial Studies	MC
Family Support	PC	Justice Agencies Support	MC, PC
Infant/Toddler Development	SC	Justice Agencies Support Level I	MC, PC
		Justice Agencies Support Level II	MC, PC
<b>Education</b>		Justice Studies	SC
Instructional Assistance	MC, PC	Law Enforcement	SC
Bilingual Endorsement	MC, PC	Law Enforcement Investigator	GC
English as a Second Language (ESL)		Law Enforcement Supervision	SC
Endorsement	MC, PC	Law Enforcement Technology	RS
Reading Endorsement	MC, PC	Law Enforcement Field Training	RS
Teacher Assisting	EM, GW	Law Enforcement Training Academy	GC
		Police Academy Preparation Level I	SC
<b>Family and Consumer Science</b>		Police Science	MC, SC
Nutrition for Fitness and Wellness	GC, MC	Police Science I	MC
		Police Science II	MC
		Police Science III	MC, SC
<b>Food and Nutrition</b>		Police Supervision	GC
Basic Culinary Studies	EM	Public Safety Technology	RS
Commercial Food Preparation	PC		
Culinary Studies	EM, PC	<b>Fire Science</b>	
<i>(See Hospitality section for additional programs and related areas)</i>		Basic Firefighter	MC
Dietetic Technology	CG, PV	Driver Operator	MC
Food Service Administration	PC	Fire Academy	GC, SC
Professional Food and Beverage Service	PC	Fire Officer I	MC
		Fire Science	GC, PC, RS
<b>Home Economics</b>		Fire Science Technology	GC, MC, SC
Fashion Design	PC	Hazardous Materials Response	PC
Apparel Construction	PC	Recruit Firefighters	GC
Fashion Design Level I	PC	Emergency Management	MC
Fashion Design Level II	PC		
Fashion Illustration Level I	PC	<b>Hospitality</b>	
Fashion Illustration Level II	PC	Airline Operations	RS
Fashion Illustration Level III	PC	Airline Operations: Ground Operations	RS
Pattern Design Level I	PC	Airline Operations: Initial Flight Attendant	RS
Pattern Design Level II	PC	Airline Operations: Passenger Services	RS
Interior Design	MC, PC, SC	Airline Operations: Reservations	RS
Advanced Interior Design	MC, PC	Airline Operations: Vacations	RS
Home Furnishing and Materials	GC, MC, PC	Culinary Arts	SC
Interior Design: Professional Level	SC	<i>(See Food &amp; Nutrition section for additional programs and related areas)</i>	
		Hospitality/Hotel Management	EM
<b>Merchandising</b>		Hospitality and Tourism/Golf Management	SC
Apparel Merchandising	MC	Hospitality and Tourism/Hotel Management	SC
Fashion Merchandising	PC	Hospitality and Tourism/Restaurant Management	SC
<b>SERVICE OCCUPATIONS</b>			
<b>Administration of Justice</b>			
Administration of Justice	EM, GC, MC, PC		
Administration of Justice Comprehensive	PC		
Administration of Justice Fundamentals	PC		
Administration of Justice Studies	SC		
Advanced Corrections	RS		
Basic Corrections	RS		
Corrections	RS		
Crime and Accident Scene Photography	PC		
Crime and Intelligence Analysis	CG		
Criminal Justice Studies	CG		
Crime Scene Technology	SC		

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<b>Library Media Technology</b>		<b>TECHNOLOGY AND TRADE INDUSTRIAL</b>	
Library Information Technician	MC	<b>Air Conditioning and Refrigeration</b>	
Library Information Technician: Advanced	MC	Air Conditioning/Refrigeration/Facilities	GW
Library Information Technician: Basic	MC		
<b>Mortuary Science</b>		<b>Apprenticeship Related Instruction</b>	
Mortuary Science	MC	Bricklaying	GW
		Carpentry	GW
<b>Music</b>		Construction Management	GW, PC
Audio Production Technologies	MC, PC	Construction Trades: Carpentry	GW
Music Business	MC, PC	Construction Trades: Millwright	GW
		Construction Trades: Painting	GW
<b>Parks, Recreation, Leisure and Fitness Studies</b>		Construction Trades: Sheet Metal	GW
Recreational Resources and Facilities		Electricity	GW
Management	PC	Heat and Frost Insulation	GW
Recreational Resources and Facilities		Ironworking	GW
Management: Equipment Maintenance and Repair	PC	Millwright	GW
Recreational Resources and Facilities		Painting	GW
Management: Horticulture	PC	Pipefitter-Refrigeration	GW
Recreational Resources and Facilities		Plumbing	GW
Management: Pesticides	PC	Power Plant Technology	GW, EM, GC
Recreational Resources and Facilities		Roofing	GW
Management: Pro Shop Management	PC	Sheet Metal	GW
Recreational Resources and Facilities		Steamfitting	GW
Management: Turf and Irrigation	PC		
<b>Health and Physical Education/Fitness</b>		<b>Aviation and Aeronautics</b>	
Group Fitness Instructor	GC	Aircraft Construction Technology	CG
Personal Trainer	GC	Aircraft Maintenance Technology	CG
Teaching, Healing, Meditation & Stress		Aircraft Maintenance Technology (Part 147)	CG
Management	PV	Airframe Maintenance (Part 147)	CG
Therapeutic Massage	CG, PC	Airway Science Technology, Flight Emphasis	CG
		Aviation Electronics Maintenance Technology	CG
<b>Social Sciences</b>		Avionics Technology	CG
Chemical Dependency	RS	Composite Technology	CG
Chemical Dependency Level I	RS	Flight Technology	CG
Chemical Dependency Level II	RS	Powerplant Maintenance (Part 147)	CG
Clinical Research Coordinating	GW	Sheet Metal Structures Technology	CG
Interpreter Preparation	PC		
Professional Addictions Counseling	RS	<b>Automotive Technology</b>	
Sign Language Communication Pre-Employment	PC	Air Conditioning	MC
		Air Conditioning and Electrical Accessories	GW
<b>Social Services</b>		Automotive Chassis	GC
Assisted Living: Directed Care Services	PC	Automotive Drive Trains	GW
Assisted Living: Management	PC	Automotive Electrical Systems	MC
Assisted Living: Personal Care Services	PC	Automotive Engines and Drive Trains	GC
Assisted Living: Personal Care Services for		Automotive Engine Performance Diagnosis and Air Conditioning	GC
Certified Nursing Assistants	PC	Automotive Performance Technology	MC
Assisted Living: Supervisory Care Services	PC	Automotive Suspension, Steering and Brakes	GW
Fiduciary Practices	PC	Automotive Technology	GC, GW
Gerontology	PC	Brakes, Alignment, Suspension and Steering	MC
Gerontology: Aging Services Management	PC	Caterpillar Technician Training	MC
Gerontology: Eldercare	PC	Engine Performance and Diagnosis	GW, MC
Gerontology: Foundations	PC	Transmissions and Power Trains	MC
Gerontology: Generalists	PC		
Gerontology: Program Development	PC		
Human Services	GC		

<u>Areas/Programs</u>	<u>Colleges</u>	<u>Areas/Programs</u>	<u>Colleges</u>
<b>Building and Construction</b>		<b>Environmental Technology</b>	
Building Safety Technology	SC	Biotechnology	MC
Building Safety and Construction Technology	PC	Environmental Health and Safety Technology	PV
Building Safety & Planning Technology	SC	Hydrologic Studies	GW
Home Improvement Retail Operations: Flooring	GW	Occupational Safety and Health Technology	GW
Home Improvement Retail Operations: Kitchen	GW	Safety, Health and Environmental Studies	PV
Home Improvement Retail Operations: Millworks	GW	Wastewater Treatment	GW
Planning and Development Technology	SC	Water Distribution and Collection Technology	GW
<b>Commercial Art/Advertising Art</b>		Water Purification Technology	GW
Computer Graphic Design	GC, PC	Water Treatment	GW
<i>(See Media Technology section for additional programs and related areas)</i>		Water/Wastewater Technology	GW
Multimedia	GC	<b>Engineering</b>	
Multimedia Imaging and Animation	GC	Civil Engineering Technology	PC
Multimedia Web Design	GC	Surveying Technology	PC
<b>Drafting Technology</b>		<b>Manufacturing</b>	
Applied Technology-Electro/Mechanical Drafting	MC	Aerospace Manufacturing Technology	GW
Architectural CAD Technology	GC	Automated Manufacturing Systems	CG
Architectural Drafting	PC	Manufacturing CNC	MC
Architectural Technology	SC	Manufacturing Engineering Technology	MC
Architecture	MC	Manufacturing Machining	MC
CAD-Based Design Documentation	GC	Manufacturing Management	MC
Civil CAD Technology	GC	Manufacturing Technology	GW, MC
Computer Aided Drafting	MC, PC	Manufacturing Welding	MC
Construction	MC	<i>(See Welding Technology section for additional programs and related areas)</i>	
Construction Drafting I	MC	<b>Machinist</b>	
Construction Drafting II	MC	Machinist, Tool and Die	MC
Construction Drafting III	MC	Machinist, Tool and Die Level I	MC
Electro/Mechanical Drafting	MC	Machinist, Tool and Die Level II	MC
Manufacturing Design Technology	GC	Tractor-Trailer Driving	GC
Mechanical Drafting	MC	<b>Welding Technology</b>	
Micro Circuit Mask Design	MC	Welding Technology	MC
Process Technology Level I	MC	Welding Certification	MC
Process Technology Level II	MC	<i>(See Manufacturing section for additional programs and related areas)</i>	
<b>Electronics/Electrical Technology</b>		Welding	PC
Cable Telecommunications	SM		
Computer and Networking Technology	GC		
Electric Utility Technology	CG		
Electrical Technology	GW		
Electromechanical Automation Technology	MC		
Electronic Industries Technology I	MC		
Electronics Engineering Technology	MC		
Electronics Manufacturing Technology	GC		
Electronics Technology	MC		
General Telecommunications	SM		
Industrial Operations Technology	EM, GW		
Local Area Networks Servicing	GC		
Microcomputer Servicing	GC		
Telecommunications Technology	SM		

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**MARICOPA SKILL CENTER CERTIFICATES**

The Maricopa Skill Center (MSC), a division of GateWay Community College, offers entry-level courses and programs for hands-on job training at 1245 E. Buckeye Road, Phoenix. The more than 150 non-credit Maricopa Skill Center certificates are open-entry /open-exit, and self-paced (with the exception of nursing):

**Auto Body**

- Auto Body Basic Refinishing and Metal Repair
- Auto Body Metal Repair
- Auto Body Basic Refinishing
- Auto Body Repair Helper
- Auto Body Sander
- Auto Body Masker and Taper
- Auto Body Special Projects
- Industrial Spray Painter

**Banking/Retail**

- Banking
  - Bank Operations/Encoder
  - Bank Operations/Data Entry
  - Bank Operations
  - Operations Clerk
  - Principles of Banking
  - Proof Encoder
  - Ten Key/Keyboard Operator
  - Ten-Key Operator
  - Ten-Key Skills Builder
  - Understanding and Selling Bank Products
- Call Center Communication
  - Incoming/Outgoing Calls
- Computer Software Courses
  - Microsoft Office User Specialist (MOUS) Certification
- Retail
  - Retail Cashier
  - Supermarket Cashier

**Computerized Office Programs**

- Office Assistant
  - Computer Keyboard Operator
  - Computer Keyboard Operator/File Clerk
  - Computerized Office Procedures Special Projects
  - General Office Clerk
  - General Office Clerk with Data Entry
  - Office Associate

**Medical Office**

- Medical Filing
- Medical Terminology
- Medical Terminology w/Transcription
- Office Associate with Medical Applications
- Office Associate with Medical Filing
- Office Associate with Medical Insurance Applications
- Office Associate with Medical Terminology
- Office Associate with Medical Terminology and Transcriptions

**Medical Insurance Office**

- Medical Insurance
- Medical Insurance with Billing Codes
- Medical Procedures Coding

**Law Office**

- Legal Terminology
- Legal Terminology w/Transcription
- Office Associate with Legal Applications
  - Introduction to Paralegal Careers
  - Introduction to Paralegal Studies
  - Legal Terminology w/Intro Paralegal Studies
  - Office Associate/Intro Paralegal Studies

**Receptionist**

- Office Associate with Receptionist

**Call Center Representative**

- Call Center & Customer Service Representative

**Short Term Custom Courses**

- Alpha/Numeric Filing
- Computer Keyboarding
- Customer Service Representative
- Data Entry Keypad
- Hands on Telephone Training
- Introduction to Computers
- Introduction to Paralegal Studies
- Legal Office Simulation
- Legal Terminology
- Legal Transcription
- Machine Transcription
- Medical Procedures Coding
- Medical Insurance
- Medical Terminology
- Medical Transcription
- Microcomputer Software Operator
- Microsoft Access
- Microsoft Access Overview
- Microsoft Excel
- Microsoft Excel Overview
- Microsoft Powerpoint
- Microsoft Powerpoint Overview
- Microsoft Word
- Microsoft Word Overview
- Microsoft Word and Excel
- Ten-Key by Touch
- Travel Agent
- Windows Operations

**Facilities Maintenance**

- Facilities Maintenance with Introduction to HVAC
- Facilities Maintenance Helper
- Facilities Maintenance Overview/City of Phoenix
- Facilities Maintenance Special Projects
- Maintenance Carpentry Helper
- Maintenance Electrician Helper
- Maintenance Electrician Helper with Introduction to HVAC
- Maintenance Plumbing Helper

**Food Preparation**

- Baker's Helper
- Cook's Apprentice
- Cook's Helper
- Dining Room Attendant
- Food Preparation Special Projects
- Food Service Assessment DES/BEP
- Kitchen Helper
- Machine Dishwasher
- Pantry Goods (Salad) Maker

**Medical Assistant**

**Machine Trades**

- CNC Machining Center Operator
- CNC Turning Center Operator
- CNC Turning and Machining Center Operator
- Drill Press Operator
- Manual Lathe Operator
- Manual Machine Operator
- Manual Milling Operator
- Machine Trades Special Projects
- Saw Operator
- Upgrade to CNC

**Meat Cutting**

- Apprentice Meat Cutter
- Meat and Deli Counter Person
- Meat Cutting Special Projects
- Meat Room Cleanup
- Meat Room Helper
- Portion Control Cutter
- Poultry Processor
- Self-Service Meat Wrapper

**Nursing**

- Nursing Assistant
- Practical Nursing

**Printing Trades**

- Bindery Worker
- Job Shop Printer
- Offset Press Operator
- Printing Trades Special Projects
- Quick Print Shop Worker

**Welding**

- Combination Welder (Arc, MIG, Flux Core)
- Combination Welder with Intro to Pipe Welding
- TIG Welder/TIG Fingertip Welder
- Welder Fitter-Helper
- Welding Special Projects

**THE SOUTH WEST SKILL CENTER AT EMCC  
CERTIFICATES**

The South West Skill Center at Estrella Mountain Community College, located at 3000 North Dysart Road, Avondale, offers entry-level courses and programs for hands-on job training at 1245 E. Buckeye Road, Phoenix. The non-credit South West Skill Center certificates are open-entry /open-exit, and self-paced.

**Business Technology Programs (Certificate Programs)**

- Introduction to Computers
- Introduction to Computer Skills
- File Clerk
- Data Entry Clerk
- Introduction to the Internet
- Introduction to Windows XP
- File Clerk with/10 Key by Touch
- Office Clerk
- Microsoft Office Suite
- Receptionist
- Receptionist with Elective
- Office Assistant
- Office Assistant with Microsoft Office Access
- Office Assistant with Introduction to the Internet
- Office Assistant with Basic Accounting Skills
- Office Assistant with Microsoft Office Suite
- Office Assistant with Microsoft and Basic Accounting

**Medical Assistant (Level II)**

- Medical Assistant Front Office/Back Office
- Medical Assistant Front Office
- Medical Assistant Back Office
- Medical Terminology/Transcription
- Medical Terminology (Spanish)

**C-TECH**

- Copper-Based Fiber Optics Cabling

**Nursing (Level II and III)**

- Nursing Assistant
- Vocational Practical Nursing

## Arizona University Majors with Identified Transfer Pathways

The following list is provided as an advisement tool for transfer students. It is based on the Arizona Transfer Articulation Support System (ATASS) list of some Arizona university majors and transfer pathways. The complete list for 2004-05 is available at: <<http://az.transfer.org/cas/atass/>>. The ATASS web site provides additional transfer information and resources for students. Academic advisors are available to provide additional information about the transfer pathways and specific requirements. University transfer guides should be consulted for university majors not specifically listed below.

<u>Major</u>	<u>Degree</u>	<u>Institution</u>	<u>AGEC</u>	<u>Pathway</u>	<u>Language Requirement</u>
Accountancy	BS	ASU West	B	ABUS-GR	
Accountancy	BS	UA	B	ABUS-GR	2nd Semester
Accountancy	BS	NAU	B	ABUS-GR	
Advertising	BS	NAU	A	AA-SR	
American Political Studies	BS	NAU	A	AA-GR	
American Studies (English)	BA	ASU West	A	AA-GR	Language/Culture
American Studies (History)	BA	ASU West	A	AA-GR	Language/Culture
American Studies (Journalism)	BA	ASU West	A	AA-GR	Language/Culture
Anthropology	BA	ASU	A	AA-SR	4 <sup>th</sup> Semester
Anthropology	BA	NAU	A	AA-SR	4 <sup>th</sup> Semester
Anthropology	BA	UA	A	AA-SR	4 <sup>th</sup> Semester
Applied Indigenous Studies	BS	NAU	A	TG-XR	
Art	BFA	ASU	A	AA-SR	
Art (Education)	BSE	NAU	A	AA-SR	
Art Education	BFA	ASU	A	AA	
Art Education	BFA	UA	A	AA-SR	4 <sup>th</sup> Semester
Art History	BA	ASU	A	AA-GR	4 <sup>th</sup> Semester
Art History	BA	NAU	A	AA-GR	4 <sup>th</sup> Semester
Art History	BA	UA	A	AA-GR	4 <sup>th</sup> Semester
Arts Management	BS	NAU	A	TG-XR	
Asian Languages (Chinese/Japanese)	BA	ASU	A	AA-SR	4 <sup>th</sup> Semester
Astronomy	BS	NAU	S	AS-SR	
Astronomy	BS	UA	S	AS-SR	2nd Semester
Atmospheric Sciences	BS	UA	S	AS-SR	2nd Semester
Biochemistry	BS	ASU	S	AS-SR	4 <sup>th</sup> Semester
Biochemistry	BS	UA	S	AS-SR	2nd Semester
Biological Sciences (Secondary)	BAE	ASU	S	AS-SR	
Biology	BS	ASU	S	AS-SR	4 <sup>th</sup> Semester
Biology, General	BS	NAU	S	AS-SR	
Biology (Secondary)	BSE	NAU	S	AS-SR	
Biology (with emphasis)	BS	NAU	S	AS-SR	
Business Administration	BSBA	ASU East	B	ABUS-GR	
Business Economics	BSBA	NAU	B	ABUS-GR	
Business Economics	BSBA	UA	B	ABUS-GR	2nd Semester
Business Management	BSBA	UA	B	ABUS-GR	2nd Semester
Ceramics	BFA	NAU	A	AA-SR	
Chemistry	BA	ASU	S	AS-SR	4 <sup>th</sup> Semester
Chemistry	BA	UA	S	AS-GR	4 <sup>th</sup> Semester
Chemistry	BS	ASU	S	AS-SR	4 <sup>th</sup> Semester
Chemistry	BS	NAU	S	AS-SR	
Chemistry	BS	UA	S	AS-SR	2nd Semester
Chemistry (Secondary)	BSE	NAU	S	AS-SR	
Classics	BA	UA	A	AA-GR	4 <sup>th</sup> Semester
Communication	BA	ASU	A	AA-SR	
Communication	BA	UA	A	AA-SR	4 <sup>th</sup> Semester
Communication	BS	ASU	A	AA-SR	
Communication Studies	BA	ASU West	A	AA-SR	
Communication Studies	BS	ASU West	A	AA-SR	
Computer Information Systems	BS	ASU	B	ABUS-SR	
Computer Information Systems	BSBA	NAU	B	ABUS-SR	
Computer Science	BS	UA	S	AS-SR	2nd Semester
Computer Science	BS	ASU	S	AS-SR	
Computer Science	BS	NAU	S	AS-SR	
Conservation Biology	BS	ASU	S	AS-SR	4 <sup>th</sup> Semester
Creative Writing	BA	UA	A	AA-GR	4 <sup>th</sup> Semester
Criminal Justice	BS	NAU	A	AA-SR	
Criminal Justice Administration	BSPA	UA	B	ABUS-GR	2nd Semester
Criminal Justice System & Criminology	BS	ASU West	A	AA-SR	
Digital Art	BA	ASU	A	AA-GR	

## Arizona University Majors with Identified Transfer Pathways (continued)

<u>Major</u>	<u>Degree</u>	<u>Institution</u>	<u>AGEC</u>	<u>Pathway</u>	<u>Language Requirement</u>
East Asian Studies	BA	UA	A	AA-SR	4th Semester
Ecology and Evolutionary Biology	BA	UA	S	AS-SR	4th Semester
Ecology and Evolutionary Biology	BS	UA	S	AS-SR	2nd Semester
Economics	BA	UA	A	AA-SR	4th Semester
Economics	BS	ASU	B	ABus-GR	
Economics	BS	NAU	A	AA-SR	
Economics (Liberal Arts)	BA	ASU	A	AA-SR	4th Semester
Economics (Liberal Arts)	BS	ASU	A	AA-SR	4th Semester
Electronic Media	BA	NAU	A	AA-SR	4th Semester
Electronic Media	BS	NAU	A	AA-SR	
Elementary Education	BA	ASU	A	AA-SR	
Elementary Education	BAE	ASU East	A	AA-SR	
Elementary Education	BAE	ASU West	A	AA-SR/AAEE	
Elementary Education	BAE	UA	A	AA-SR	
Elementary Education	BSE	NAU	A	AA-SR/AAEE	
Elementary Education, Early Childhood	BAE	ASU West	A	AA-SR/AAEE	
English	BA	ASU	A	AA-GR	4th Semester
English	BA	ASU West	A	AA-GR	Language/Culture
English	BA	NAU	A	AA-GR	4th Semester
English	BA	UA	A	AA-GR	4th Semester
English (Secondary)	BAE	ASU	A	AA-SR	
English (Secondary)	BAE	ASU West	A	AA-SR	
English (Secondary)	BSE	NAU	A	AA-SR	3rd Semester
Entrepreneurship	BSBA	UA	B	ABus-GR	2nd Semester
Exercise and Wellness	BS	ASU East	A	AA-SR	
Family & Human Development	BS	ASU	A	AA-SR	4th Semester
Finance	BS	ASU	B	ABus-GR	
Finance	BSBA	NAU	B	ABus-GR	
Finance	BSBA	UA	B	ABus-GR	2nd Semester
French	BA	ASU	A	AA-SR	4th Semester
French	BA	NAU	A	AA-SR	4th Semester
French	BA	UA	A	AA-SR	4th Semester
General Biology	BS	UA	S	AS-SR	2nd Semester
General Business Administration	BSBA	UA	B	ABus-GR	2nd Semester
Geochemistry	BS	NAU	S	AS-SR	
Geography	BA	ASU	A	AA-SR	4th Semester
Geography	BA	UA	A	AA-GR	4th Semester
Geography	BS	ASU	A	AA-SR	4th Semester
Geography	BS	NAU	A	AA-GR	
Geography (Applied)	BS	NAU	A	AA-GR	
German	BA	ASU	A	AA-SR	4th Semester
German	BA	NAU	A	AA-SR	4th Semester
German Studies	BA	UA	A	AA-SR	4th Semester
Global Business	BS	ASU West	B	ABus-GR	
Health & Human Services Adm.	BSPA	UA	B	ABus-GR	2nd Semester
Health Education	BS	UA	S	AS-SR	2nd Semester
Health Promotion	BS/BSE	NAU	A	AA-SR	
History	BA	ASU	A	AA-GR	4th Semester
History	BA	ASU West	A	AA-GR	Language/Culture
History	BA	NAU	A	AA-GR	3rd Semester
History	BA	UA	A	AA-GR	4th Semester
History	BAE	UA	A	AA-SR	
History	BS	NAU	A	AA-GR	
History (Secondary)	BAE	ASU West	A	AA-SR	
History and Social Studies	Ext. BSE	NAU	A	AA-SR	
Human Nutrition	BS	ASU East	A	AA-SR	
Humanities	BA	NAU	A	AA-GR	4th Semester
International Affairs	BA	NAU	A	AA-GR	4th Semester
Italian	BA	ASU	A	AA-SR	4th Semester
Italian	BA	UA	A	AA-SR	4th Semester
Jewelry & Metalsmithing	BFA	NAU	A	AA-SR	
Journalism	BA	UA	A	AA-GR	4th Semester
Journalism	BS	NAU	A	AA-SR	



## Arizona University Majors with Identified Transfer Pathways (continued)

<u>Major</u>	<u>Degree</u>	<u>Institution</u>	<u>AGEC</u>	<u>Pathway</u>	<u>Language Requirement</u>
Journalism & Mass Communications	BA	ASU	A	AA-SR	4th Semester
Journalism & Political Science	BS	NAU	A	AA-SR	
Judaic Studies	BA	UA	A	AA-GR	4th Semester
Justice Studies	BS	ASU	A	AA-SR	
Kinesiology	BS	ASU	A	AA-SR	4th Semester
Life Sciences	BS	ASU West	S	AS-SR	Language/Culture
Linguistics	BA	UA	A	AA-SR	4th Semester
Management	BS	ASU	B	ABus-GR	
Management	BSBA	NAU	B	ABus-GR	
Management Information Systems	BSBA	UA	B	ABus-SR	2nd Semester
Marketing	BS	ASU	B	ABus-GR	
Marketing	BSBA	NAU	B	ABus-GR	
Marketing	BSBA	UA	B	ABus-GR	2nd Semester
Mathematics	BA	ASU	A	AA-SR	4th Semester
Mathematics	BA	UA	A	AA-SR	4th Semester
Mathematics	BS	ASU	A	AA-SR	4th Semester
Mathematics	BS	NAU	A	AA-SR	
Mathematics	BS	UA	A	AA-SR	2nd Semester
Mathematics	BSE	NAU	A	AA-SR	
Mathematics (Secondary)	BAE	ASU West	A	AA-SR	
Media Arts	BA	UA	A	AA-SR	4th Semester
Media Arts	BFA	UA	A	AA-SR	4th Semester
Medical Technology	BSHS	UA	S	AS-SR	2nd Semester
Merchandising	BS	NAU	A	AA-SR	
Microbiology	BS	ASU	S	AS-SR	4th Semester
Microbiology	BS	NAU	S	AS-SR	
Microbiology	BS	UA	S	AS-SR	2nd Semester
Microbiology (Pre-Health Professions)	BS	NAU	S	AS-SR	
Molecular Biosciences & Biotechnology	BS	ASU	S	AS-SR	4th Semester
Molecular & Cellular Biology	BS	UA	S	AS-SR	2nd Semester
Multimedia Writing & Technical Comm.	BS	ASU East	A	AA-GR	
Museum Studies	BA	ASU	A	AA-GR	4th Semester
Music	BA	ASU	A	AA-SR	4th Semester
Music	BA	NAU	A	AA-SR	
Music	BM	UA	A	AA-SR	4th Semester
Music Education (Choral General)	BM	ASU	A	AA-SR	
Music Education (Vocal or Instrumental)	BM	UA	A	AA-SR	
Music Education (Choral or Instrumental)	BME	NAU	A	AA-SR	
Music Education (Instrumental)	BM	ASU	A	AA-SR	
Music Education (String)	BM	ASU	A	AA-SR	
Music Performance (guitar, harp, keyboard, strings, voice, wind or percussion)	BM	UA	A	AA-SR	
Music Theory & Composition	BM	ASU	A	AA-SR	
Musical Theatre	BFA	UA	A	AA-SR	2nd Semester
Operations Management	BSBA	UA	B	ABus-GR	2nd Semester
Painting	BFA	NAU	A	AA-SR	
Parks & Recreation Management (Indv. Study Emphasis)	BS	NAU	A	AA-SR	
Philosophy	BA	ASU	A	AA-GR	4th Semester
Philosophy	BA	NAU	A	AA-GR	4th Semester
Philosophy	BA	UA	A	AA-GR	4th Semester
Photography	BS	NAU	A	AA-SR	
Physical Education	BAE	ASU	A	AA-SR	
Physical Education	BSE	UA	A	AA-SR	2nd Semester
Physical Science	BSE	NAU	S	AS-SR	
Physics	BS	ASU	S	AS-SR	4th Semester
Physics	BS	NAU	S	AS-SR	
Physics	BS	UA	S	AS-SR	2nd Semester

## Arizona University Majors with Identified Transfer Pathways (continued)

Major	Degree	Institution	AGEC	Pathway	Language Requirement
Physics & Astronomy	Merged BS	NAU	S	AS-SR	
Physics & Mathematics	Merged BS	NAU	S	AS-SR	
Physiological Sciences	BSHS	UA	S	AS-SR	2nd Semester
Plant Biology	BS	ASU	S	AS-SR	4th Semester
Political Science	BA	ASU	A	AA-GR	4th Semester
Political Science	BA	NAU	A	AA-GR	4th Semester
Political Science	BA	UA	A	AA-GR	4th Semester
Political Science	BS	ASU	A	AA-GR	4th Semester
Political Science	BS	NAU	A	AA-GR	
Political Science (Asian Studies)	BA	ASU	A	AA-GR	4th Semester
Political Science (Latin American Studies)	BA	ASU	A	AA-GR	4th Semester
Political Science	BA	ASU West	A	AA-GR	Language/Culture
Political Science	BS	ASU West	A	AA-GR	Language/Culture
Portuguese	BA	UA	A	AS-SR	4th Semester
Printmaking	BFA	NAU	A	AA-SR	
Psychology	BA	ASU	A	AA-SR	4th Semester
Psychology	BA	ASU West	A	AA-GR	Language/Culture
Psychology	BA	NAU	A	AA-GR	4th Semester
Psychology	BA	UA	A	AA-GR	4th Semester
Psychology	BS	ASU	A	AA-SR	4th Semester
Psychology	BS	ASU West	A	AA-SR	Language/Culture
Psychology	BS	NAU	A	AA-SR	
Psychology	BS	UA	A	AA-SR	2nd Semester
Public Management & Policy	BSPA	UA	B	ABus-GR	2nd Semester
Public Planning	BS	NAU	A	AA-GR	
Public Relations	BS	NAU	A	AA-SR	
Real Estate	BS	ASU	B	ABus-GR	
Recreation: Recreation Management	BS	ASU	A	AA-SR	
Recreation & Tourism Management	BS	ASU West	A	AA-SR	
Regional Development	BS	UA	A	AA-GR	2nd Semester
Religious Studies	BA	ASU	A	AA-GR	4th Semester
Religious Studies	BA	NAU	A	AA-GR	4th Semester
Religious Studies	BA	UA	A	AA-GR	4th Semester
Retail & Consumer Sciences	BS	UA	A	AA-SR	2nd Semester
Russian	BA	ASU	A	AA-SR	4th Semester
Russian	BA	UA	A	AA-SR	4th Semester
Sculpture	BFA	NAU	A	AA-SR	
Social & Behavioral Science (Political Science)	BA	ASU West	A	AA-GR	Language/Culture
Social & Behavioral Science (Political Science)	BS	ASU West	A	AA-GR	Language/Culture
Social & Behavioral Science (Sociology)	BA	ASU West	A	AA-GR	Language/Culture
Social & Behavioral Science (Sociology)	BS	ASU West	A	AA-GR	Language/Culture
Social Work	BSW	ASU	A	AA-SR	4th Semester
Social Work	BSW	ASU West	A	AA-SR	
Social Work	BSW	NAU	A	AA-SR	
Sociology	BA	ASU	A	AA-GR	4th Semester
Sociology	BA	ASU West	A	AA-GR	Language/Culture
Sociology	BA	NAU	A	AA-GR	4th Semester
Sociology	BA	UA	A	AA-GR	4th Semester
Sociology	BS	ASU West	A	AA-GR	Language/Culture
Sociology	BS	NAU	A	AA-GR	
Sociology (Applied)	BA	NAU	A	AA-GR	4th Semester
Sociology (Applied)	BS	NAU	A	AA-GR	
Spanish	BA	ASU	A	AA-SR	4th Semester
Spanish	BA	ASU West	A	AA-SR	Language/Culture
Spanish	BA	NAU	A	AA-SR	4th Semester
Spanish	BA	UA	A	AA-SR	4th Semester
Spanish (Secondary)	BSE	NAU	A	AA-SR	4th Semester

Arizona University Majors with Identified Transfer Pathways (continued)

Major	Degree	Institution	AGEC	Pathway	Language Requirement
Special Education	BAE	ASU	A	AA	
Special Education	BAE	ASU West	A	AA / AAEE	
Special Education & Rehabilitation	BSE	UA	A	AA	2nd Semester
Special & Elementary Education	BSE	NAU	A	AA / AAEE	
Speech Communication	BA	NAU	A	AA	4th Semester
Speech Communication	BS	NAU	A	AA	
Studio Art	BA	ASU	A	AA	
Studio Art	BA	UA	A	AA	4th Semester
Studio Art	BFA	UA	A	AA	4th Semester
Supply Chain Management	BS	ASU	B	ABus-GR	
Theatre	BA	ASU	A	AA	
Theatre	BA	NAU	A	AA	
Theatre	BS	NAU	A	AA	
Theatre Arts	BA	UA	A	AA	4th Semester
Theatre Production	BFA	UA	A	AA	2nd Semester
Visual Communications	BFA	NAU	A	AA	

**Academic advisors are available to provide additional information about the transfer pathways and specific requirements. Contact the Phoenix College Academic Advisement Center at 602.285.7110.**



## Phoenix College – 2005-06 AGEC Course Offerings

This list identifies courses generally offered at Phoenix College that meet AGEC (Arizona General Education Curriculum) requirements. There are additional courses that meet AGEC requirements. The general education designation is valid for the term in which the student is awarded credit. **General education designations are subject to change. Students are strongly encouraged to verify course designations on the MCCD Curriculum website at: <<http://www.dist.maricopa.edu/academic/curric/ac/agecmatrix.html>>** Please note that General Education requirements for AAS, AGS, and ATP degrees may vary. See the Phoenix College Catalog for complete information. Advisors are available for assistance.

Literacy & Critical Inquiry (L)

AIS213	American Indian Religions (L or HU, C)
CCS101	Chicana and Chicano Studies (C)
COM207	Introduction to Communication Inquiry
COM222	Argumentation
COM225	Public Speaking
COM230	Small Group Communication (L or SB)
COM241	Performance of Literature (L or HU)
CRE101	Critical and Evaluative Reading I
ENG111	Technical Writing
ENG217	Personal and Exploratory Writing ( <i>Fall semester only</i> )
ENH254	Literature and Film (L or HU)
GBS233	Business Communication
PHI103	Intro to Logic (L or HU)
PSY290AB	Research Methods (L or SG)
REL203	American Indian Religion (L or HU, C)
REL205	Religion and the Modern World (L or HU, C)
THE220	Modern Drama (L or HU)
THP241	Performance of Literature (L or HU)

Humanities & Fine Arts (HU)

AIS213	American Indian Religions (L or HU, C)
AJS123	Ethics and Administration of Justice
ARH100	Introduction to Art
ARH101	Prehistoric through Gothic Art (G/H)
ARH102	Renaissance through Contemporary Art (G/H)
ARH201	Art of Asia (G/H)
ARH217	Mexican Art History (H)
ASB222	Buried Cities & Lost Tribes: Old World (SB or HU, G/H)
ASB223	Buried Cities & Lost Tribes: New World (SB or HU, G/H)
COM241	Performance of Literature (L or HU)
EDU291	Children's Literature
ENH110	Intro to Literature (C)
ENH112	Chicano Literature (C)
ENH114	African-American Literature (C)
ENH221	Survey of English Literature Before 1800 ( <i>Fall semester only</i> )
ENH222	Survey of English Literature After 1800 (H)
ENH230	Introduction to Shakespeare
ENH241	American Literature Before 1860 ( <i>Fall semester only</i> )
ENH242	American Literature After 1860
ENH251	Mythology (G)
ENH254	Literature and Film (L or HU)
ENH259	American Indian Literature (C) ( <i>Fall semester only</i> )
ENH291	Children's Literature
HCR210	Clinical Health Care Ethics
HIS243	World Religions (G/H)
HUM120	Cultural Viewpoints in the Arts (C)
HUM205	Introduction to Cinema (H)
HUM208	Arts & World Views of the Southwest (C)
HUM209	Women and Films (C/H)
HUM210	Contemporary Cinema
HUM211AA	Foreign Films: Classics (G)
HUM213	Hispanic Film (G) ( <i>Fall semester only</i> )
INT105	Introduction to Interior Design (G)
INT115	Historical Architecture and Furniture (H)
INT120	Twentieth Century Architecture and Furniture (H)
LAT201	Intermediate Latin I ( <i>Fall semester only</i> )
LAT202	Intermediate Latin II
MHL140	Survey of Music History (H)
MHL143	Music in World Cultures (G)
MHL145	American Jazz and Popular Music (C)
MHL147	Music of African-American Cultures
MHL153	Rock Music and Culture (H)
PHI101	Intro to Philosophy
PHI103	Intro to Logic (L or HU)
PHI105	Intro to Ethics
PHI213	Medical and Bioethics
PHI243	World Religions (G/H)
REL203	American Indian Religions (L or HU, C)
REL205	Religion and the Modern World (L or HU, C)
REL243	World Religions (G/H)
SPA265	Advanced Spanish I ( <i>Fall semester only</i> )
SPA266	Advanced Spanish II
SPH151	Latin American Literature in Translation (G)

Humanities & Fine Arts (HU) Continued

SPH245	Hispanic Heritage in the Southwest (C)
THE111	Intro to Theatre
THE205	Intro to Cinema (H)
THE210	Contemporary Cinema
THE220	Modern Drama (L or HU)
THP241	Performance of Literature (L or HU)

Social & Behavioral Sciences (SB)

AFR110	Introduction to African-American Studies (C)
AFR203	African-American History: The Slavery Experience (C/H)
AFR204	African-American History: Reconstruction to the Present (C/H)
AIS101	Survey of American Indian Issues (C/H)
AIS170	American Indian History of the Southwest (C/H)
AJS101	Intro to Criminal Justice
AJS200	Current Issues in Criminal Justice
AJS225	Criminology
AJS270	Community Relations (C)
ASB102	Intro to Cultural and Social Anthropology (G)
ASB214	Magic, Witchcraft and Healing (G)
ASB222	Buried Cities & Lost Tribes: Old World (SB or HU, G/H)
ASB223	Buried Cities & Lost Tribes: New World (SB or HU, G/H)
ASB235	Southwest Archaeology (C/H)
ASM104	Bones, Stones, and Human Evolution (or SG), (H)
CFS157	Marriage and Family Life
CFS176	Child Development
COM100	Intro to Human Communication
COM110	Interpersonal Communication
COM230	Small Group Communications (L or SB)
COM263	Elements of Intercultural Communication (C/G)
ECN111	Macroeconomic Principles
ECN112	Microeconomic Principles
EDU221	Intro to Education
EDU222	Intro to the Exceptional Learner (C)
GCU221	Arizona Geography (C/H)
HES100	Healthful Living
HIS100	History of Western Civilization to Middle Ages (H)
HIS101	History of Western Civilization Middle Ages-1789 (H)
HIS102	History of Western Civilization 1789 to Present (G/H)
HIS103	United States History to 1870 (H)
HIS104	United States History 1870 to Present (H)
HIS105	Arizona History (H)
HIS106	Southwest History (C/H)
HIS108	United States History 1945 to the Present (C/H)
HIS109	Mexican-American History and Culture (C/H)
HIS145	History of Mexico (G/H)
HIS170	American Indian History of the Southwest (C/H)
HIS201	History of Women in America (C/H)
HIS203	African-American History (C/H)
HIS209	The Chicano in Twentieth Century America (C/H)
POS110	American National Government
POS120	World Politics (G)
POS125	Issues in World Politics (SB, G) ( <i>Honors</i> )
POS140	Comparative Government (G)
PSY101	Intro to Psychology
PSY132	Psychology and Culture (C/G)
PSY215	Intro to Sport Psychology
PSY218	Health Psychology
PSY240	Developmental Psychology
PSY250	Social Psychology
PSY266	Abnormal Psychology
PSY277	Psychology of Human Sexuality
REC120	Leisure and the Quality of Life
SBU200	Society and Business (G)
SOC101	Intro to Sociology
SOC140	Racial and Ethnic Minorities (C)
SOC212	Women and Men in a Changing Society (C)
SWU102	Intro to Social Work (H)
SWU171	Introduction to Social Welfare (H)
SWU292	Effective Helping in a Diverse World (C)
TEC105	Clothing Selection
TEC106	History of Fashion
WST100	Women and Society (C)
WST161	American Women Since 1920 (C/H)

Natural Sciences – Quantitative (SQ) for AGEC-A and B

AST111/3	Intro to Astronomy I and Lab (SQ/SQ)
AST112/4	Intro to Astronomy II and Lab (SQ/SQ)
BIO101	General Biology (Non-Majors) and Lab (SQ/SQ)
BIO105	Environmental Biology and Lab (SQ/SQ)
BIO108	Plants and Society and Lab (SQ/SQ, G)
BIO181	General Biology (Majors) I and Lab (SQ/SQ)
CHM107	Chemistry and Society and Lab (SQ/SQ, G)
CHM130	Fundamental Chemistry and Lab (SQ/SQ)
CHM151	General Chemistry I and Lab (SQ/SQ)
CHM152	General Chemistry II and Lab (SQ/SQ)
CHM154	General Chemistry II with Qual and Lab (SQ/SQ)
GLG101/3	Intro to Geology I (SQ/SQ, G)
GPH111	Intro to Physical Geography and Lab (SQ/SQ)
PHY101	Intro to Physics (SQ/SQ)
PHY111	General Physics I (SQ/SQ)
PHY112	General Physics II (SQ/SQ)
PHY121	University Physics I: Mechanics (SQ/SQ)
PHY131	University Physics II: Electricity & Magnetism (SQ/SQ)

Natural Sciences – General (SG) for AGEC-A and B

ASM104	Bones, Stones, and Human Evolution (or SB), (H)
AST101/2	Survey of Astronomy and Lab (SG)
BIO109/110	Natural History of the Southwest Lecture & Lab (SG)
BIO145	Marine Biology and Lab (SG)
BIO156	Human Biology for Allied Health and Lab (SG)
BIO160	Intro to Anatomy and Physiology and Lab (SG)
BIO182	General Biology (Majors) II and Lab (SG)
BIO201	Human Anatomy and Physiology I and Lab (SG)
BIO205	Microbiology and Lab (SG)
PSY290AB	Research Methods (L or SG)

Computer/Statistics (CS)

BPC110	Computer Usage & Applications
CIS105	Survey of Computer Information Systems
CIS159	Visual Basic Programming I
CIS162	C Programming I
CIS162AB	C++: Level I
CIS163AA	Java Programming: Level I
GBS221	Business Statistics
PSY230	Intro to Statistics

Cultural Diversity (C)

AFR110	Introduction to African-American Studies (SB, C)
AFR203	African-American History: The Slavery Experience (SB, C/H)
AFR204	African-American History: Reconstruction to the Present (SB, C/H)
AIS101	Survey of American Indian Issues (SB, C/H)
AIS160	American Indian Law
AIS170	American Indian History of the Southwest (SB, C/H)
AIS213	American Indian Religions (L or HU, C)
AJS270	Community Relations (SB, C)
ASB235	Southwest Archaeology (SB, C/H)
CCS101	Chicana and Chicano Studies (L)
COM263	Elements of Intercultural Communication (SB, C/G)
CPD160	Intro to Multiculturalism
EDU222	Intro to the Exceptional Learner (SB, C)
EDU230	Cultural Diversity in Education
ENH110	Introduction to Literature (HU)
ENH112	Chicano Literature (HU, C)
ENH114	African-American Literature (HU, C)
ENH259	American Indian Literature (HU, C)
GCU221	Arizona Geography (SB, C/H)
HCR230	Culture and Health (C/G)
HIS106	Southwest History (SB, C/H)
HIS108	United States History 1945 to the Present (SB, C/H)
HIS109	Mexican-American History and Culture (C/H)
HIS170	American Indian History of the Southwest (SB, C/H)
HIS201	History of Women in America (SB, C/H)
HIS203	African-American History (SB, C/H)
HIS206	Southwest History (SB, C/H)
HIS209	The Chicano in Twentieth Century America (SB, C/H)
HUM120	Cultural Viewpoints in the Arts (HU, C)
HUM208	Arts & World Views of the Southwest (HU, C)
HUM209	Women and Films (HU, C/H)
MHL145	American Jazz and Popular Music (HU, C)
PSY132	Psychology and Culture (SB, C/G)
REL203	American Indian Religions (L or HU, C)
SOC140	Racial and Ethnic Minorities (SB, C)
SOC212	Women and Men in a Changing Society (SB, C)
SPH245	Hispanic Heritage in the Southwest (HU, C)
SWU292	Effective Helping in a Diverse World (SB, C)
WST100	Women and Society (SB, C)
WST161	American Women Since 1920 (SB, C/H)

Global (G)

ARH101	Prehistoric through Gothic Art (HU, G/H)
ARH102	Renaissance Through Contemporary Art (HU, G/H)
ARH201	Art of Asia (HU, G/H)
ASB120	Intro to Cultural and Social Anthropology (SB, G)
ASB214	Magic, Witchcraft and Healing (SB, G)
ASB222	Buried Cities & Lost Tribes: Old World (HU or SB, G/H)
ASB223	Buried Cities & Lost Tribes: New World (HU or SB, G/H)
BIO108	Plants and Society and Lab (SQ/SQ, G)
CHM107	Chemistry and Society (SQ/SQ, G)
COM263	Elements of Intercultural Communication (SB, C/G)
ENH251	Mythology (HU, G)
FRE201	Intermediate French I
FRE202	Intermediate French II
GLG101	Intro to Geology I (SQ/SQ, G)
HCR230	Culture and Health (C/G)
HIS102	History of Western Civ. 1789 to Present (SB, G/H)
HIS145	History of Mexico (G/H)
HIS243	World Religions (HU, G/H)
HUM211AA	Foreign Films: Classics (HU, G)
HUM213	Hispanic Film (HU, G)
IBS101	Introduction to International Business
INT105	Introduction to Interior Design (HU, G)
ITA201	Intermediate Italian I
ITA202	Intermediate Italian II
MHL143	Music in World Cultures (HU, G)
PHI243	World Religions (HU, G/H)
POS120	World Politics (SB, G)
POS125	Issues in World Politics (SB, G) ( <i>Honors</i> )
POS140	Comparative Government (SB, G)
PSY132	Psychology and Culture (SB, C/G)
REL243	World Religions (HU, G/H)
SBU200	Society and Business (SB, G)
SPA201	Intermediate Spanish I
SPA202	Intermediate Spanish II
SPA203	Spanish for Spanish-Speaking Students I
SPA204	Spanish for Spanish-Speaking Students II
SPH151	Latin American Literature in Translation (HU, G)

Historical (H)

AFR203	African-American History: The Slavery Experience (SB, C/H)
AFR204	African-American History: Reconstruction to the Present (SB, C/H)
AIS101	Survey of American Indian Issues (SB, C/H)
ARH101	Prehistoric through Gothic Art (HU, H)
ARH102	Renaissance through Contemporary Art (HU, H)
ARH201	Art of Asia (HU, G/H)
ARH217	Mexican Art History (HU, H)
ASB222	Buried Cities & Lost Tribes: Old World (HU or SB, G/H)
ASB223	Buried Cities & Lost Tribes: New World (HU or SB, G/H)
ASB235	Southwest Archaeology (SB, C/H)
ASM104	Bones, Stones, and Human Evolution (SB or SG), (H)
ENH222	Survey of English Literature After 1800 (HU, H)
GCU221	Arizona Geography (SB, C/H)
HCR220	Health Care Organizations
HIS100	History of Western Civilization to Middle Ages (SB, H)
HIS101	History of Western Civilization Middle Ages - 1789 (SB, H)
HIS102	History of Western Civ. 1789 to Present (SB, G/H)
HIS103	United States History to 1870 (SB, H)
HIS104	United States History to 1870 to Present (SB, H)
HIS105	Arizona History (SB, H)
HIS106	Southwest History (SB, C/H)
HIS108	United States History 1945 to the Present (SB, C/H)
HIS109	Mexican-American History and Culture (SB, C/H)
HIS145	History of Mexico (G/H)
HIS170	American Indian History of the Southwest (SB, C/H)
HIS201	History of Women in America (SB, C/H)
HIS203	African-American History (SB, C/H)
HIS209	The Chicano in Twentieth Century America (SB, C/H)
HIS243	World Religions (HU, G/H)
HUM205	Introduction to Cinema (HU, H)
HUM209	Women and Films (HU, C/H)
INT115	Historical Architecture and Furniture (HU, H)
INT120	Twentieth Century Architecture and Furniture (HU, H)
MHL140	Survey of Music History (HU)
MHL153	Rock Music and Culture (HU, H)
PHI243	World Religions (HU, G/H)
REL243	World Religions (HU, G/H)
SWU102	Intro to Social Work (SB, H)
SWU171	Introduction to Social Welfare (SB, H)
THE205	Introduction to Cinema (HU, H)
WST161	American Women Since 1920 (C/H)

### Educational Planning Worksheet



Name: \_\_\_\_\_ Associate Degree: \_\_\_\_\_  
 Major: \_\_\_\_\_ University: \_\_\_\_\_  
 Projected graduation date: \_\_\_\_\_ Apply for graduation: \_\_\_\_\_  
 Projected transfer date: \_\_\_\_\_ Apply to university: \_\_\_\_\_

Future Schedule Plan

Fall	Spring	Summer I	Summer II
Total Credits:	Total Credits:	Total Credits:	Total Credits:

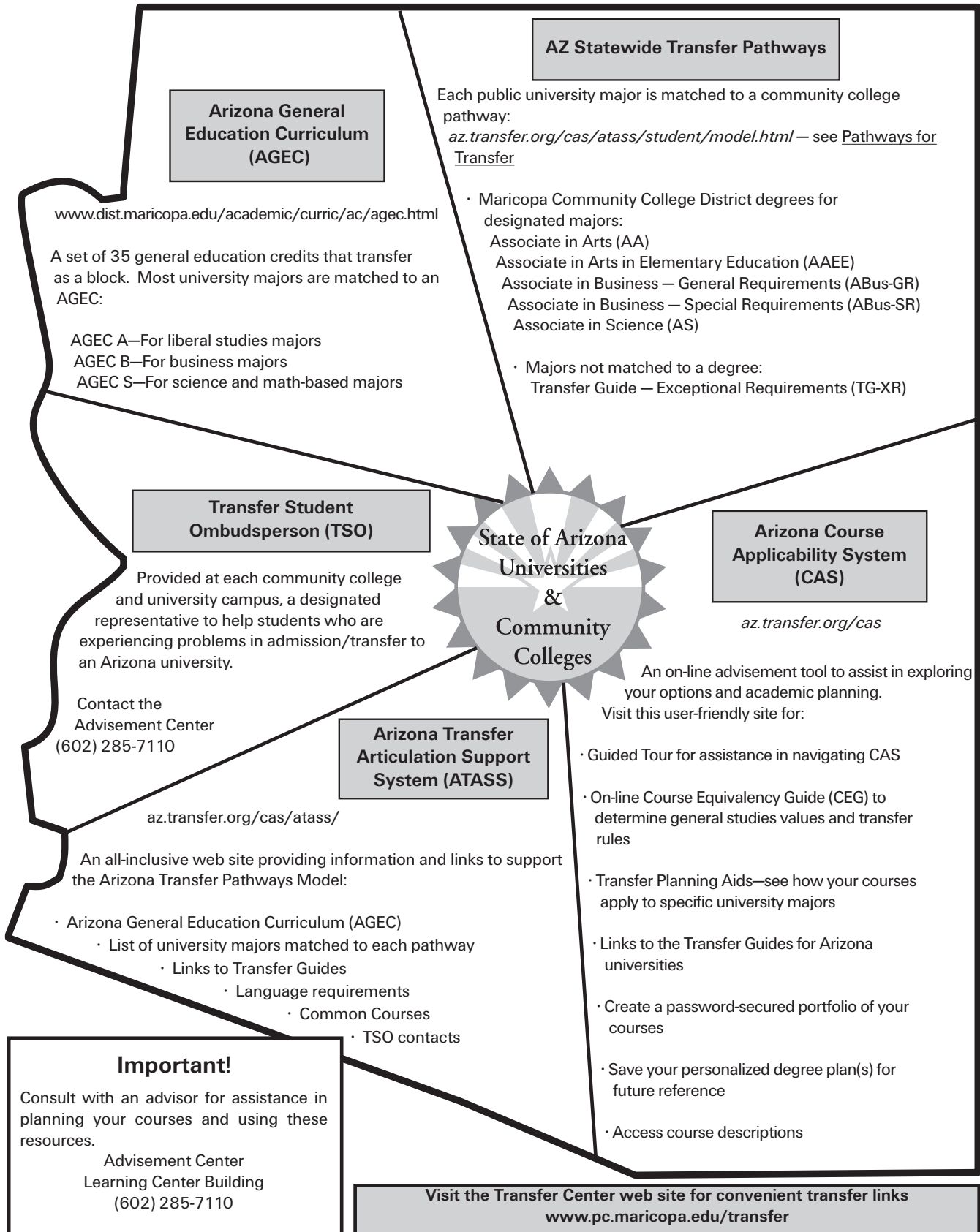
Fall	Spring	Summer I	Summer II
Total Credits:	Total Credits:	Total Credits:	Total Credits:

Fall	Spring	Summer I	Summer II
Total Credits:	Total Credits:	Total Credits:	Total Credits:

Notes:

Please bring this worksheet and other materials with you whenever you visit with an advisor.

# Arizona Transfer Pathways



## Maricopa Community Colleges Associate Degree Programs

### Arizona Transfer Pathways, page 103

Each public university major is matched to one of the following degree pathways

#### Associate in Arts (AA), page 80

- ❖ 60-64 credits
- ❖ AGEC A-35 cr. General Education block includes Core Areas, Awareness Areas
- ❖ MCCCC Requirements-0-6 cr. Communication Reading
- ❖ General Electives-19-29 cr.
- ❖ May include courses from: Common Courses University Transfer Guides Non-English Languages other transferable electives

#### Associate in Business (ABus), p. 86

##### General Requirements ABus-GR/62-63 credits For most business majors except CIS

- ❖ AGEC B-35 cr. General Education block Core Areas Awareness Areas
- ❖ Common Lower Division Requirements-27-28 cr.
- ❖ General Electives-cr. will vary

##### Special Requirements ABus-SR/62-63 credits For CIS majors (ACC see TG-XR)

- ❖ AGEC B-35 cr. General Education block Core Areas Awareness Areas
- ❖ Common Lower Division Requirements-27-28 cr.
- ❖ General Electives-0-6 cr.

#### Associate in Science (AS), page 82

- ❖ 60-64 credits
- ❖ AGEC S-35 cr. General Education block includes Core Areas, Awareness Areas
- ❖ MCCCC Requirements-0-6 cr. Communication Reading
- ❖ General Electives-19-29 cr.
- ❖ May include courses from: Common Courses University Transfer Guides Non-English Languages other transferable electives

#### Associate in Arts in Elementary Education (AAEE), page 84

- ❖ 60-63 credits
- ❖ AGEC S-35 cr. General Education block with specified requirements for: Core Areas Awareness Areas
- ❖ MCCCC Requirements-0-3 cr. Communication Reading
- ❖ Education Foundations - 15 cr.
- ❖ Electives for Arizona Professional Teacher Standards - 10 cr.

#### Transfer Guide – Exceptional Requirements (TG-XR)

Some majors are not matched to a degree pathway due to sequencing or major requirements. For these majors, refer to the Transfer Guides issued by each university. For a complete list of university majors and the corresponding pathway, see: [aztransfer.org/cas/atass/student/index.html](http://aztransfer.org/cas/atass/student/index.html) Click on Degrees and Pathways

Consult with an advisor for assistance in developing an academic plan.



Advisement Center – LC Building  
602.285.7110

#### Associate in Transfer Partnership (ATP), p. 94

- ❖ Minimum of 60 cr.
- ❖ MCCCC General Education Core, 19 cr.
- ❖ Approved Major-Specific Transfer Courses, cr. will vary
- ❖ For a complete list of ATP degrees & requirements, see: [www.dist.maricopa.edu/academic/curric/atp](http://www.dist.maricopa.edu/academic/curric/atp)

#### Associate in General Studies (AGS), p. 90

- ❖ 60 cr.
- ❖ MCCCC General Education Core, 16 cr.
- ❖ General Education Distribution Areas, 28-29 cr.
- ❖ Elective Courses, 15-16 cr.

#### Associate in Applied Science (AAS), p. 92

- ❖ Minimum of 60 cr.
- ❖ General Education Core Areas, 15 cr.
- ❖ General Education Distribution Areas, 9-10 cr.
- ❖ Required Courses, cr. will vary by program
- ❖ Restricted Electives, cr. will vary by program
- ❖ Transferable to BAS degree programs at ASU East, ASU West, and NAU