



ASSESSMENT OF STUDENT LEARNING OUTCOMES

Put Your Abilities on the Line: Assessment of Student Learning Outcomes

Communication and Critical Thinking are currently being integrated into a wide variety of Estrella Mountain courses. By integrating these abilities into a variety of courses offered at the college, students benefit twice. They learn course content and they develop these important abilities to enhance student success in academic and professional pursuits.

At Estrella Mountain, Communication and Critical Thinking are defined as follows:

Communication

A student who effectively communicates:

- responds to an audience
- demonstrates a clear sense of purpose
- organizes information
- delivers information using appropriate language

Critical Thinking

A student who thinks critically, processes, synthesizes and applies information to solve problems by:

- identifying the problem
- developing and implementing strategies
- evaluating information
- reaching conclusions
- responding to the problem

Each spring semester, students will be invited to participate in the assessment of their Communication and Critical Thinking abilities.





ASSOCIATE IN TRANSFER PARTNERSHIP (ATP) 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 studies credits in the following general studies 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 studies 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/eddev/curric/>

Click on Program Information to access ATPs.

Exemption From Arizona University Admission Requirements

The Associate in Transfer Partnership degree provides for exemption from Arizona university admission requirements for students who complete the degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

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

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



ELEMENTS OF THE ASSOCIATE IN TRANSFER PARTNERSHIP (ATP) DEGREE

ELEMENT

CREDITS

MCCCD General Studies Core
 Approved Lower Division Transfer Courses
 (Major dependent with maximum to be
 determined by receiving baccalaureate
 degree granting institution)

19
 Variable

Associate in Transfer Partnership
 Degree Total Hours

60 minimum

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

Accountancy
 Business
 Computer Information Systems
 Elementary Education
 Exercise Science

Food & Nutrition
 Housing & Urban Development
 Nursing
 Psychology
 Social Work





ARIZONA GENERAL EDUCATION CURRICULUM (AGEC)

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

All credits used to satisfy the MCCCD AGECE will apply to graduation requirements of the university major for which the AGECE 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 AGECE A is a component of the MCCCD Associate in Arts, the AGECE B is a component of the MCCCD Associate in Business, and the AGECE S is a component of the MCCCD Associate in Science.

Three Types of MCCCD AGECEs

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

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on [Student Information Degrees and Pathways Maricopa County Community College District](#)

1. The **AGECE A** is designed to satisfy requirements in many liberal arts majors as well as other majors that articulate with the Associate in Arts (e.g., social sciences, fine arts, humanities). AGECE A requires a minimum of college mathematics or college algebra to satisfy the Mathematics [MA] requirement. AGECE A Mathematics requirement is less stringent than the AGECE B and AGECE S. AGECE A and AGECE B Natural Sciences requirements are less stringent than AGECE S.
2. The **AGECE B** is designed to satisfy requirements in business majors that articulate with the Associate in Business. AGECE B requires a minimum of brief calculus to satisfy the Mathematics [MA] requirement.
3. The **AGECE S** is designed to satisfy requirements in majors with more prescriptive mathematics and mathematics-based science requirements. AGECE S articulates with the Associate in Science. AGECE S requires a minimum of the first course in a calculus sequence to satisfy the Mathematics [MA] requirement, and a minimum of eight credits of either university chemistry, university physics or general biology to satisfy the Natural Sciences [SQ/SG] requirement.



The MCCC CD AGEC A, AGEC B, and AGEC S:

- require 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;
- use 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 studies 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 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 MCCC CD and the institutions to which MCCC CD students transfer, students have the option to petition for course evaluations and/or general education designations.

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).

- 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 Higher Education Course Equivalency Guide (CEG) within CAS. The course evaluation and/or general education designation as listed in CAS 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 MCCC CD colleges;
- include both courses and their modular equivalents, either the course or the modular equivalents will satisfy the AGEC;
- accept one of the courses that is cross-referenced with other courses;
- provide for exemption from Arizona university admission requirements for: Students who complete the AGEC A, AGEC B, or AGEC S with a minimum 2.0 on a 4.0=A scale, or students who complete an associate or higher degree from a regionally accredited post-secondary institution with a minimum 2.0 on a 4.0=A scale for Arizona residents and a minimum 2.5 on a 4.0=A scale for non-residents.

The 35 semester credits required for each of the three AGECs follow. See the list entitled MCCCD Courses That Can Be Used to Satisfy MCCCD AGEC A, AGEC B and/or AGEC S for specific course information via the following website: <http://www.dist.maricopa.edu/eddev/curric/>.

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to a specific AGEC.

A. Core Areas:	Credits
	35
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 AGEC A, AGEC B, and AGEC S.	
AGEC A requires:	
a. Mathematics [MA] A (3 credits) AND NOTE: requires a course in college mathematics or college algebra or pre-calculus or any other mathematics course for which college algebra is a prerequisite.	
b. Computer/Statistics/Quantitative Applications [CS] (3 credits)	
AGEC B requires:	
a. Mathematics [MA] B (3 credits) AND NOTE: requires a course in brief calculus or a higher level mathematics course.	
b. Computer/Statistics/Quantitative Applications [CS] (3 credits)	
AGEC S requires:	
a. Mathematics [MA] S (3 credits) AND NOTE: requires the first course in a calculus sequence or any mathematics course for which that course is a prerequisite.	
b. Computer/Statistics/Quantitative Applications [CS] (3 credits)	
4. Humanities and Fine Arts [HU]	6
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix . There is one exception. HUM250 & HUM251 will satisfy the Humanities and Fine Arts area requirement.	
5. Social and Behavioral Sciences [SB]	6
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.	



6. Natural Sciences [SQ/SG]

8

To complete the Natural Sciences requirement:

AGEC A and AGECE 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 AGECE S. AGECE 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 courses selected for Natural Science must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to one course in that prefix.

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 MCCCDC AGECEs 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]

AGECE 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] AGEC A

The AGEC A Mathematics Core area requires a course in college mathematics, college algebra, pre-calculus, or any other mathematics course for which college algebra is a prerequisite.

Mathematics [MA] AGEC B

The AGEC B Mathematics Core area requires a course in Brief Calculus or a higher level mathematics course.

Mathematics [MA] AGEC S

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

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. Courses must be selected from at least two different prefixes with a minimum of three semester credits in each prefix. There is one exception. HUM250 and HUM251 together will satisfy the Humanities and Fine Arts requirement.



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. Courses must be selected from at least two different prefixes with a minimum of three semester credits in each prefix.

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. The courses selected must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to one course in that prefix.

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 AGECE 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 AGECE 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.



ASSOCIATE IN ARTS (AA) DEGREE GENERAL REQUIREMENTS (GR)

The Maricopa County Community College District Associate in Arts General Requirements (AA GR) is a degree requiring a total of 60-64 semester credits for the program of study. The degree has three major components: 1) General Studies which includes the Arizona General Education Curriculum A (AGEC A), and MCCCDC Additional Requirements, 2) Non-English Language Requirements, 3) General Electives.

The degree is designed for students who plan to transfer to Arizona's public universities into majors that articulate with the Associate in Arts General Requirements pathway. The AA GR is designed for students who may or may not know their major or university. Additional information on academic majors can be accessed via the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

The degree transfers as a block without loss of credit to Arizona's public universities. All semester credits used to satisfy the MCCCDC Associate in Arts General Requirements will apply to university graduation requirements of the university major for which the AA 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.

The MCCCDC Associate in Arts General Requirements:

- requires 60-64 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 AGECA without exceeding the 35 semester credits;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following policy to help students complete the program requirements at a minimum of 60 semester credits but not more than 64 semester credits;

Courses can satisfy multiple areas within the degree simultaneously (AGECA Core Area, AGECA Awareness Area, MCCCDC Additional Requirements, Non-English Language Requirements).
- follows the general studies 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 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 a 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 equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS). The course evaluation and/or general education designation as listed in CAS 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 Arts 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 Associate in Arts 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 60-64 semester credits required for the Associate in Arts General 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/eddev/curric/>.

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to a specific AGEC.

I. MCCCDC GENERAL STUDIES

Credits

The MCCCDC General Studies includes two areas, MCCCDC AGEC A and MCCCDC Additional Requirements.

A.	MCCCDC 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 the Mathematics [MA] A and a second course from either 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**
 Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.
- e. **Social and Behavioral Sciences [SB] 6**
 Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.
- 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 courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to **one** course in that prefix.

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]

- B. MCCCDC Additional Requirements 0-6**
 Students must satisfy Oral Communication and Critical Reading areas for a total of six (6) semester credits. 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.



1. **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)

2. **Critical Reading**
A total of three (3) semester credits is required for the Critical Reading area. However, if students select a Critical Reading course that satisfies both the Critical Reading area and an area within the Core, 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. Non-English Language Requirements 0-16

Students must demonstrate 4th semester proficiency at the 202 course level to satisfy the Non-English Language Requirements or a maximum of 16 semester credits in one non-English language. However, if students select non-English language courses that satisfy multiple areas of the degree, or if students demonstrate proficiency, then the non-English Language Requirements have been satisfied and additional electives may be taken.

III. General Electives 3-29

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 GR, but are undecided on the university they will transfer to, courses satisfying the General Electives area should be selected from the list of Common Courses in order for the courses to apply in the major upon transfer. See advisor for list of Common Courses. Not all majors have common courses. The list of Common Courses is accessible on the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

Students must select courses for General Electives that are acceptable as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS).

AA GR Total Credits: 60-64



ASSOCIATE IN ARTS (AA) DEGREE SPECIAL REQUIREMENTS (SR)

The Maricopa County Community College District Associate in Arts Special Requirements (AA SR) requires a total of 60-64 semester credits for the program of study. The degree has three major components: 1) General Studies which includes the Arizona General Education Curriculum A (AGEC A), and MCCCDC Additional Requirements, 2) Common Lower Division Program Requirements, 3) General Electives.

The degree is designed for students who plan to transfer to Arizona's public universities into majors that articulate with the Associate in Arts Special Requirements pathway. The AA SR is designed for students who know their major but have not decided on their university for transfer purposes. Additional information on academic majors can be accessed via the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Common Course Matrices

Click on appropriate area of interest to retrieve information on common courses for that area.

The degree transfers as a block without loss of credit to Arizona's public universities. All semester credits used to satisfy the MCCCDC Associate in Arts Special Requirements degree will apply to university graduation requirements of the university major for which the AA 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.

The MCCCDC Associate in Arts Special Requirements:

- requires 60-64 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 A without exceeding the 35 semester credits;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following policy to help students complete the program requirements at a minimum of 60 semester credits but not more than 64 semester credits;

Courses can satisfy multiple areas within the degree simultaneously (AGECE A Core Area, AGECE A Awareness Area, MCCCDC Additional Requirements, Common Lower Division Program Requirements).



- follows the general studies 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 CEG/AZCAS (Course Equivalency Guide/Arizona Course Applicability System) is valid for the term in which a 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 evaluation and/or general education designations.
- requires courses that transfer as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within CAS. The course evaluation and/or general education designation as listed in CAS 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 Arts 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 Associate in Arts 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 60-64 semester credits required for the Associate in Arts 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/eddev/curric/>

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to a specific AGEC.



I. MCCCDC GENERAL STUDIES

The MCCCDC General Studies includes two areas, MCCCDC AGEC A and MCCCDC Additional Requirements.

A.	MCCCDC AGEC A	Credits
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] A and a second course from either 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**

Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.

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

Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.

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 select eight (8) semester credits of [SQ]. Students cannot take eight (8) semester credits of [SG] to meet the Natural Sciences requirement.

The courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to **one** course in that prefix.

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]



B. MCCCDC Additional Requirements

0-6

Students must satisfy Oral Communication and Critical Reading areas for a total of six (6) semester credits. 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.

1. 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)

2. Critical Reading

A total of three (3) semester credits is required for the Critical Reading area. However, if students select a Critical Reading course that satisfies both the Critical Reading area and an area within the Core, 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. Common Lower Division Program Requirements

6

A minimum of six (6) semester credits is required for Common Lower Division Program Requirements.

Students should refer to the Common Courses list for their chosen major and/or consult with an advisor to select courses from the Common Courses list. The list of Common Courses is accessible on the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

III. General Electives

13-23

A total of 13-23 semester credits are required for General Electives. Students may wish to select additional courses in consultation with an advisor 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 SR, but are undecided on the university they will transfer to, courses satisfying the General Electives area should be selected from the list of Common Courses in order for the courses to apply in the major upon transfer. See advisor for list of Common Courses. Not all majors have Common Courses. The list of Common Courses is accessible on the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

In some majors students must demonstrate 4th semester proficiency at the 202 course level to satisfy the non-English language requirement or complete a maximum of 16 semester credits. However, if students select non-English language courses that satisfy multiple areas of the degree, or if students demonstrate proficiency, then the non-English language requirement has been satisfied and additional electives may be taken.

Students must select courses for General Electives that are acceptable as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS).

AA SR Total Credits:

60-64



ASSOCIATE IN SCIENCE (AS) DEGREE GENERAL REQUIREMENTS (GR)

The Maricopa County Community College District Associate in Science General Requirements (AS GR) requires a total of 60-64 semester credits for the program of study. The degree has three major components: 1) General Studies which includes the Arizona General Education Curriculum-S (AGEC S) and MCCCDC Additional Requirements, 2) Major Specific Requirements, 3) General Electives.

The degree is designed for students who plan to transfer into majors that articulate with the Associate in Science General Requirements pathway. The AS GR is designed for students who plan to pursue an associate degree or transfer to an Arizona university and satisfy requirements in majors with more stringent mathematics and mathematics-based science requirements. Additional information on academic majors can be accessed via the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Common Course Matrices

Click on appropriate area of interest to retrieve information on common courses for that area.

The degree transfers as a block without loss of credit to Arizona's public universities. All semester credits used to satisfy the MCCCDC Associate in Science General Requirements will apply to university graduation requirements of the university major for which the AS 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.

The MCCCDC Associate in Science General Requirements:

- requires 60-64 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 AGECS without exceeding the 35 semester credits;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following policy to help students complete the program requirements at a minimum of 60 semester credits but not more than 64 semester credits;

Courses can satisfy multiple areas within the degree simultaneously (AGECS Core Area, AGECS Awareness Area, MCCCDC Additional Requirements, Non-English Language Requirements).

- follows the general studies policy below;
General Education Designations (examples: (FYC), [SB], [HU], etc.)
Effective Fall 2000 the course evaluation and/or the general education designation as 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 MCCC and the institutions to which MCCC students transfer, students have the option to petition for course evaluations and/or general education designations.
- requires courses that transfer as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the CAS. The course evaluation and/or general education designation as listed in CAS 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 Science 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 Associate in Science 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 60-64 semester credits required for the Associate in Science General Requirements follow. See the list entitled MCCC Courses That Can Be Used to Satisfy MCCC AGEC A, AGEC B and/or AGEC S for specific course information via the following website:

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

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to a specific AGEC.

Credits

I. MCCC GENERAL STUDIES

The MCCC General Studies includes two areas, MCCC AGEC S and MCCC Additional Requirements.

A. MCCC 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 the Mathematics [MA] S and a second course from Computer/Statistics/Quantitative Applications [CS].



- 1) Mathematics [MA] S (3 credits)
Select a course in a calculus sequence (MAT220/MAT221), or any mathematics course for which that course is a prerequisite.
AND
 - 2) Computer/Statistics/Quantitative Applications [CS] (3 credits)
- d. Humanities and Fine Arts [HU] **6**
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.
- e. Social and Behavioral Sciences [SB] **6**
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.
- f. Natural Sciences [SQ/SG] **8**
To complete the Natural Sciences requirement:
Select eight (8) semester credits of either general chemistry (CHM151 & CHM151LL, and CHM152 & CHM152LL),
OR
Eight (8) semester credits of university physics (PHY115 & PHY116, or PHY121 & PHY131),
OR
Eight (8) semester credits of general biology (BIO181 & 182) appropriate to the major.
The courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to **one** course in that prefix.
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]
- B. MCCCCD Additional Requirements **0-6**
Students must satisfy Oral Communication and Critical Reading areas for a total of six (6) semester credits. However, it is not necessary for students to exceed the thirty-five semester credits required in order to complete the MCCCCD Additional Requirements because courses can satisfy a Core Area and MCCCCD Additional Requirements simultaneously. Therefore no additional semester credits are required to satisfy Oral Communication and Critical Reading.

1. **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)

2. **Critical Reading**
A total of three (3) semester credits is required for the Critical Reading area. However, if students select a Critical Reading course that satisfies both the Critical Reading area and an area within the Core, 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. Major Specific Requirements

Non-English Language Requirements **0-16**
 In some majors students must demonstrate 4th semester proficiency at the 202 course level to satisfy the Non-English Language Requirements or complete a maximum of 16 semester credits. However, if students select non-English Language courses that satisfy multiple areas of the degree, or if students demonstrate proficiency, then the Non-English Language Requirements have been satisfied and additional electives may be taken.

III. General Electives 3-29

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 GR, but are undecided on the university they will transfer to, courses satisfying the General Electives area should be selected from the list of Common Courses in order for the courses to apply in the major upon transfer. Students should consult with an advisor for a list of Common Courses. Not all majors have common courses. The list of Common Courses is accessible on the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: [Student Information](#)
[Degrees and Pathways](#)
[Maricopa County Community College District](#)

Students must select courses for General Electives that are acceptable as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS).



ASSOCIATE IN SCIENCE (AS) DEGREE SPECIAL REQUIREMENTS (SR)

The Maricopa County Community College District Associate in Science Special Requirements (AS SR) is a degree requiring a total of 60-64 semester credits for the program of study. The degree has three major components: 1) General Studies which includes the Arizona General Education Curriculum S (AGEC S) and MCCCDC Additional Requirements, 2) Additional Mathematics and Science Requirements, 3) Major Specific Requirements.

The degree is designed for students who plan to transfer to Arizona's public universities into majors that articulate with the Associate in Science Special Requirements pathway. The AS SR is designed for students who know their major and plan to pursue an associate degree or transfer to an Arizona university, as yet undecided, and satisfy requirements in majors with more stringent mathematics and mathematics-based science requirements. Additional information on academic majors can be accessed via the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

The degree transfers as a block without loss of credit to Arizona's public universities. All semester credits used to satisfy the MCCCDC Associate in Science Special Requirements will apply to university graduation requirements of the university major for which the AS 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.

The MCCCDC Associate in Science Special Requirements:

- requires 60-64 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 AGECS without exceeding the 35 semester credits;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following policy to help students complete the program requirements at a minimum of 60 semester credits but not more than 64 semester credits;

Courses can satisfy multiple areas within the degree simultaneously (AGECS Core Area, AGECS Awareness Area, MCCCDC Additional Requirements, Non-English Language Requirements, Additional Mathematics and Science Requirements, Common Lower Division Program Requirements).
- follows the general studies policy below;

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

Effective Fall 2000 the course evaluation and/or general education designation as 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 MCCC and the institutions to which MCCC students transfer, students have the option to petition for course evaluations and/or general education designations.

- requires courses that transfer as equivalent courses, departmental elective credit (XXXXDEC), or general elective credit (Elective) at all Arizona public universities according to the Arizona Higher Education Course Equivalency Guide (CEG) within the CAS. The course evaluation and/or general education designation as listed in CAS is valid for the term in which the student is awarded credit on the transcript;
- follows the graduation policies within the MCCC general catalog;
- includes both courses and their modular equivalents, either the course or the modular equivalents will satisfy the Associate in Science 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 Associate in Science 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 60-64 semester credits required for the Associate in Science Special Requirements follow. See the list entitled MCCC Courses That Can Be Used to Satisfy MCCC AGEC A, AGEC B and/or AGEC S for specific course information via the following website: <http://www.dist.maricopa.edu/eddev/curric/>.

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character follows the [MA], [SQ], [SG] general education designations and refers to a particular AGEC.

Credits

I. MCCC GENERAL STUDIES

The MCCC General Studies includes two areas, MCCC AGEC S and MCCC Additional Requirements.

A.	MCCC 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 the Mathematics [MA] S and a second course from Computer/Statistics/Quantitative Applications [CS].		



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

AND

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

d. Humanities and Fine Arts [HU] **6**
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.

e. Social and Behavioral Sciences [SB] **6**
Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.

f. Natural Sciences [SQ/SG] **8**
To complete the Natural Sciences requirements:

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.

The courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to **one** course in that prefix.

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.

1. Cultural Diversity in the United States [C]

AND

2. Global Awareness [G]

OR

3. Historical Awareness [H]

B. MCCCDC Additional Requirements **0-6**

Students must satisfy Oral Communication and Critical Reading areas for a total of six (6) semester credits. 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.

1. 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)

2. Critical Reading

A total of three (3) semester credits is required for the Critical Reading area. However, if students select a Critical Reading course that satisfies both the Critical Reading area and an area within the Core, 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. Additional Mathematics and Science Requirements 11-13

A. Additional Mathematics Requirements **3-5**

Select a course in a calculus sequence (MAT230 or MAT231) or any mathematics course for which that course is a prerequisite.

B. Additional Science Requirements **8**

Select **one** option from the following. Option selected under Natural Sciences [SQ/SG] in MCCC Core Areas will not apply in the Additional Science Requirement area.

NOTE: Students should consult with an advisor or department/division chair for appropriate course selection.

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

III. Major Specific Requirements

A. Non-English Language Requirements **0-16**

In some majors students must demonstrate 4th semester proficiency at the 202 course level to satisfy the Non-English Language Requirement or complete a maximum of 16 semester credits. However, if students select non-English language courses that satisfy multiple areas of the degree, or if students demonstrate proficiency, then the non-English Language Requirement has been satisfied and additional electives may be taken.



ASSOCIATE IN BUSINESS (ABUS) DEGREE GENERAL REQUIREMENTS (GR)

The Maricopa County Community College District Associate in Business General Requirements (ABus GR) degree requires a total of 62-63 semester credits for the program of study. The degree has three major components: 1) MCCCDC General Studies which includes AGECE B, 2) Common Lower Division Program Requirements, 3) General Electives.

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. 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. 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.

The MCCCDC Associate in Business General Requirements:

- 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;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following 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 (AGECE B Core Area, AGECE B Awareness Area, and/or Common Lower Division Program Requirements)
- follows the general studies 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 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 MCCCDC and the institutions to which MCCCDC 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 Higher Education Course Equivalency Guide (CEG) within the CAS. The course evaluation and/or general education designation as listed in CAS 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.

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

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

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ], [SG] general education designations and refers to a particular AGEC.

I.	MCCCD General Studies	Credits
A.	MCCCD AGEC B	
1.	Core Areas:	35
	a. First-Year Composition (FYC)	6
	b. Literacy and Critical Inquiry [L]	3
	c. Mathematical Studies [MA/CS]	6
	To complete the Mathematical Studies requirement select one course to satisfy Mathematics [MA] B and a second course from Computer/Statistics/Quantitative Applications [CS].	
	1) Mathematics [MA] B (3 credits) MAT212, Brief Calculus, or a higher level mathematics course AND	
	2) Computers/Statistics/Quantitative Applications) [CS] (3 credits). Note: Students are encouraged to select GBS221 or CIS105 to satisfy [CS].	

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

Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.

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

Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.

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

To complete the Natural Sciences requirement:

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

The courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to one course in that prefix.

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 Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS). For appropriate course selection, students should consult with an advisor.

ABus GR Degree Total Credits:**62-63**



ASSOCIATE IN BUSINESS (ABUS) DEGREE SPECIAL REQUIREMENTS (SR)

The Maricopa County Community College District Associate in Business, Special Requirements (ABus SR) degree requires a total of 62-63 semester credits for the program of study. The degree has three major components: 1) MCCCDC General Studies which includes AGEC B, 2) Common Lower Division Program Requirements, 3) General Electives.

The ABus SR degree is designed for Computer Information Systems majors who plan to transfer to Arizona's public universities. Currently the pathway for accountancy majors is a Transfer Guide Pathway (TG-XR). The Associate in Business General Requirements is designed for all other business majors. Additional information on academic majors can be accessed via the following web site:

http://www.abor.asu.edu/4_special_programs/atass/index.html

Click on: Student Information
 Degrees and Pathways
 Maricopa County Community College District

The Associate in Business Special Requirements transfers as a block without loss of credit to Arizona's public universities. All semester credits used to satisfy the MCCCDC 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.

The MCCCDC Associate in Business Special Requirements:

- requires 62-63 semester credits in courses numbered 100 and above to be completed with a grade of "C" or better;
- uses the following policies to help students complete the required Core and Awareness Areas in AGEC B without exceeding the 35 semester credits;
 1. Courses can satisfy a Core Area and one or two Awareness Areas simultaneously.
 2. A course cannot be used to satisfy more than one Core Area requirement.
- uses the following policy to help students complete the program requirements at a minimum of 62 semester credits but not more than 63 semester credits

Courses can satisfy multiple areas within the degree simultaneously (AGEC B Core Area, AGEC B Awareness Area, and/or Common Lower Division Program Requirements)
- follows the general studies 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 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 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 Higher Education Course Equivalency Guide (CEG) within CAS. The course evaluation and/or general education designation as listed in CAS 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.

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

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

Click on Program Information, scroll down to Academic Program Transfer Information. Click on AGEC Course Matrix 2001.

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. For purposes of clarifying requirements in the Mathematics and Natural Sciences areas on the list and on the AGEC requirements, an A, B, and/or S character may follow the [MA], [SQ] [SG] general education designations and refers to a particular AGEC.

I.	MCCCDCourses General Studies	Credits
A.	MCCCDCourses AGEC B	
1.	Core Areas:	35
	a. First-Year Composition (FYC)	6
	b. Literacy and Critical Inquiry [L]	3
	c. Mathematical Studies [MA/CS]	6
	To complete the Mathematical Studies requirement select one course to satisfy the Mathematics [MA] B and a second course from Computer/Statistics/Quantitative Applications [CS]	
	1) Mathematics [MA] B (3 credits) MAT212, Brief Calculus, or a higher level mathematics course AND	
	2) Computer/Statistics/Quantitative Applications [CS] Note: Students are encouraged to select GBS221 or CIS105 to satisfy [CS].	

- d. Humanities and Fine Arts [HU] **6**
 Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix. There is one exception. HUM250 and HUM251 will satisfy the Humanities and Fine Arts area requirement.
- e. Social and Behavioral Sciences [SB] **6**
 Courses must be selected from at least two different prefixes with a minimum of three (3) semester credits in each prefix.
- 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 courses selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. When the lecture and corresponding laboratory receive separate credit, both will be counted as equivalent to one course in that prefix.

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 studies areas are noted with the general education designations encased in brackets.

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.

- Programming I (COBOL/Java/Visual Basic): **3**
 Select 3 credits from the following:
 CIS158 [CS] OR
 CIS159 [CS] OR
 CIS163AA [CS]



Programming II (C or C++):	3
Select 3 credits from the following:	
CIS162 [CS] OR	
CIS162AA [CS] OR	
CIS162AB [CS] OR	
CIS162AC [CS]	
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 Higher Education Course Equivalency Guide (CEG) within the Course Applicability System (CAS). For appropriate course selection, students should consult with an advisor.

ABus SR Total Credits: 62-63



Estrella Mountain offers the Associate in General Studies (AGS) degree program for students whose educational goals require flexibility. The AGS degree allows students to choose elective courses numbered 100 and above to complete the degree.

General Studies Degree Programs






ASSOCIATE IN GENERAL STUDIES DEGREE (AGS)

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

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

The MCCCDC Associate in General Studies:

- 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 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.
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GENERAL STUDIES CORE AREAS

(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/152/156/162/167/172/182/187/212/216/220/221/225/226/227/230/231/236/241/262/Equivalent as indicated by assessment/
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

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/261/262

QCT Quality Control Technology 274

SBS Small Business 211

SMT Semiconductor Manufacturing Technology 131/150

TCM Telecommunications 106

TVL Travel Agent Technology 203/205

VPT Video Production Technology 106

GENERAL STUDIES DISTRIBUTION AREAS (28-29 credits)**Humanities and Fine Arts (9 credits)**

No more than 2 courses, or their modular equivalencies, from a single prefix may be used to complete the area. Select nine (9) credits from the following:

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 141/142/143/145/146/147/153
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
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)

No more than 2 courses, or their modular equivalencies, from a single prefix may be used to complete the area.

AIS	American Indian Studies 101/105/141
AJS	Administration of Justice Studies 101/ 119 /200/258/259/270
ASB	Anthropology 100/102/211/214//222/223/230/235/238/245
ASM	Anthropology 101
CFS	Child/Family Studies 157/159/176/205/259
COM	Communication <u>100/100AA&100AB&100AC/110/110AA&110AB&110AC/230/250/263</u>
ECH	Early Childhood Education 176
ECN	Economics Any ECN Course(s)
EDU	Education 221/222
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 102/271
TEC	Textiles and Clothing 105/106
WED	Wellness Education 100/110
WST	Women's Studies 100/105/110/120

Natural Sciences (7-8 credits)

At least one course must be a laboratory course. In cases where lecture and associated lab receive separate credit, both will be counted as equivalent to one course in that prefix.

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

CCS	Chicana and Chicano Studies 101
COM	Communication 207/222/ <u>225/230</u> /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 290/290AA&290AB/291/293
JRN	Journalism 201/212
MCO	Mass Communications 220
NUR	Nursing 211
PHI	Philosophy 103/106/225
POS	Political Science 115
PSY	Psychology 290AB/290AC
REL	Religious Studies 203/205/225
THE	Theater 220
THP	Theater Performance/Production 241

Elective Courses (15-16 credits)


May select courses from prefixes already chosen for General Studies Distribution requirements in order to develop depth in one or more subject areas.



ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS)

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.

The MCCCDC Associate in Applied Science degree:

- requires 64 or more credits numbered 100 or above and includes credits or the equivalent in the General Studies 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 Studies 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 Studies Core and Distribution area are excluded;
 - requires completion of General Studies courses as indicated in the General Studies 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.
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GENERAL STUDIES CORE AREAS (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/152/156/162/167/172/182/187/212/216/220/221/225/226/227/230/231/236/241/262/Equivalent as indicated by assessment/Satisfactory completion of a higher level mathematics course.

GENERAL STUDIES DISTRIBUTION AREAS (9-10 credits)

Humanities and Fine Arts (2-3 credits)

No more than 2 courses, or their modular equivalencies, from a single prefix may be used to complete the area.

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 141/142/143/145/ 146/147/153

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

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)**

No more than 2 courses, or their modular equivalencies, from a single prefix may be used to complete the area.

AIS	American Indian Studies 101/105/141
AJS	Administration of Justice Studies 101/200/258/259/270
ASB	Anthropology 100/102/211/214/222/223/230/235/238/245
ASM	Anthropology 101
CFS	Child/Family Studies 157/159/176/205/259
ECH	Early Childhood Education 176
ECN	Economics Any ECN course(s)
EDU	Education 221/222
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 101/123/125/132/156/157/215/218/235/240/245/250/258/259/260/ 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 102/271
TEC	Textiles and Clothing 105/106
WED	Wellness Education 100/110
WST	Women's Studies 100/105/110/120



Natural Sciences (4 credits)

Select laboratory course or courses from any of the following. In cases where lecture and associated lab receive separate credit, both will be counted as equivalent to one course in that prefix.

ASB	Anthropology 231
ASM	Anthropology 265
AST	Astronomy 101/102/111/112/113/114
BIO	Biology 100/101/102/105/108/109/110/149AN/150/156/160/181/182/183/ 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



At Estrella Mountain, you find training and career programs in technical and vocational fields to help you find a job or improve your current skills. Programs exist to help you earn a degree or certificate in Computer Applications Technology, Computer Hardware and Desktop Support, Hospitality/Hotel Management, Microsoft Networking Technology, Microsoft Solutions Development, Networking Technology: Cisco, Oracle, Web Developer, Programming and System Analysis, Organizational Leadership, Small Business Management, and Total Quality Management. In addition, Level One and some courses in Level Two of the Health Care Curriculum are offered for nursing and allied health students.



Training and Career Programs