

**Maricopa Community Colleges (MCCCD)
2018-2019 Associate in Science (AS) Degree**

Description

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

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

The Associate in Science (AS) degree is governed by the [MCCCD General Academic Policies for Transfer Degrees](#).

Purpose of the Degree

The Associate in Science degree is designed for students planning to transfer to four-year colleges and universities. In general, the components of the degree meet requirements for majors with more stringent mathematics and mathematics-based science requirements. Generally, the degree will transfer as a block without loss of credit to Arizona’s public universities and other institutions with district-wide articulation agreements.

In most cases, courses used to satisfy the MCCCD Associate in Science will apply to general university graduation requirements of the majors that align with Associate in Science degree; however, students need to be aware of any specific requirements of their intended major at the university to be sure they select courses that will meet them. Information regarding the articulation of the Associate in Science with majors at the Arizona public universities can be accessed via the following website: www.aztransfer.com

It is recommended that students select courses that meet more than one general education and/or awareness area requirement. Doing so will maximize the number of math and science electives the student can take as part of his/her Associate in Science degree.

Special Academic Policies that Govern the Associate in Science Degree

- The AGECS does not require a course with [CS] Computer/Statistics designation.
- Unlike the AGECA and AGECS, the same course is allowed to satisfy the ([L] and [HU]) or ([L] and [SB]) areas of the AGECS’s Core Area. The credits for such a “shared” course are only counted one time toward the required minimum for the degree.

Degree Requirements

The 60-64 semester credits required for the Associate in Science follow. The following websites identify the courses that apply to the different General Education Core and Awareness Areas: [AGECS](#) and the [AGEC Matrix](#). Courses available for both Areas during a current or upcoming semester can also be found using the “Find A Class” tool on each MCCCD college’s website.

I. MCCCD General Education

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

I. MCCCD General Education	36-56
AGECS	36-50
1. Core Areas:	36-44
a. First-Year Composition (FYC)	6
ENG101 OR ENG107 AND ENG102 OR ENG108	
b. Literacy and Critical Inquiry [L]	0-3
Students are strongly encouraged to choose an [L] course that also has [HU] or [SB] designation or to use CRE101 or COM225 from the Maricopa Additional Requirements Area to satisfy the [L] requirement. It may also have been approved to satisfy one or more Awareness Areas ([C], [G], [H]). (AGEC	

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designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)

- c. Mathematical Applications [MA]..... 4-5
Requires the first semester of calculus courses designed for scientists and engineers (MAT220 or MAT221) or any other [MA] designated course for which Calculus I is a pre-requisite.
- d. Humanities, Arts and Design [HU] 6
For the AGECS, a single course with both [HU] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as their respective Core Area(s). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- e. Social-Behavioral Sciences [SB]..... 6
For the AGECS, a single course with both [SB] and [L] designations may satisfy both Areas. Note that some of these courses also have Awareness Areas designations and can be used to satisfy [C], [G] and/or [H] requirement(s) as well as their respective Core Area(s). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
- f. Natural Sciences [SQ/SG]..... 8
Students must complete eight (8) credits of General Chemistry, University Physics or General Biology for Majors. Consult specific requirements of university transfer major for guidance.

 (CHM150 or CHM151) & CHM151LL General Chemistry I or
 (CHM150AA or CHM151AA) and
 CHM152 & CHM152LL General Chemistry II or
 CHM152AA
OR
 PHY115 & PHY116 University Physics I and II
OR
 PHY121 & PHY131 University Physics I: Mechanics and II: Electricity and Magnetism
OR
 BIO181 & BIO182 General Biology (Majors) I and II
- g. Subject Options - Math/Science: 6-10
Refer to transfer resources, including academic advisement and transfer guides, to select six (6)-ten (10) additional math and/or science credits that meet requirements for selected major.

 Select Mathematics course(s) [MAT] above Calculus I and/or
 Computer Science course(s) [CSC] and/or
 Science courses from the following disciplines: Astronomy, Biology, Botany,
 Chemistry, Engineering, Environmental Science, Geology, Physical Geography,
 Physics, Zoology (MCCCD prefixes AST, BIO, CHM, ECE, EEE, ENV, GLG,
 GPH, and/or PHY)
- 2. Awareness Areas:0-6
Some courses may be used to satisfy both a Core Area and one or more Awareness Area(s). (AGEC designations are subject to change. See [AGEC matrix](#) for each course's value(s) in the semester it is taken.)
 - a. Cultural Diversity in the United States [C]0-3

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b. Global Awareness [G] OR Historical Awareness [H].....0-3

MCCCD Additional Requirements.....0-6

As noted below, individual courses in this area may be used to satisfy both an MCCCD requirement and an AGEC-S Core Area requirements..

1. Oral Communication0-3

- COM100 [SB] Introduction to Human Communication OR
- COM110 [SB] Interpersonal Communication OR
- COM225 [L] Public Speaking OR
- COM230 [SB] Small Group Communication (3 credits) OR
- COM100AA & COM100AB & COM100AC [SB] (3 credits) OR
- COM110AA & COM110AB & COM110AC [SB] (3 credits)

2. Critical Reading0-3

- Students may demonstrate proficiency through assessment.
- CRE101 [L] Critical Reading OR
- equivalent as indicated by assessment

II. General Electives4- 28

Select courses 100-level or higher to complete a minimum of 60 semester credits but no more than a total of 64 semester credits. Ideally students should select courses that meet requirements for their major/area of interest and transfer institution. See General Associate Degree Academic Policies for further details, limitations and guidelines.

Maricopa courses and external courses evaluated as Maricopa equivalents, departmental electives (e.g., HISELC for a history elective), or general electives (GENELC) that are numbered 100 level or higher, and completed with a grade of "C" or higher, may be applied in the elective area, regardless of potential transferability to other institutions. It is recommended, however, that students planning to transfer to a baccalaureate-granting institution meet these general elective requirements with courses that are transferable and applicable to their intended university degree. Transfer and major guides are accessible on the following websites: aztransfer.com, maricopa.edu/transfer/partners, as well as those of individual universities. For appropriate course selection, students should consult with an advisor.

Associate in Science Total Credits: 60-64