

MATHEMATICS

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Associate of Science Degree

AS-SR 81101

Advisors: Lucas Johnson, Ray Orr, Cliff Thompson

This degree will meet the General Education requirements and most of the mathematics requirements for the first two years of a four-year degree in Mathematics. Since program requirements differ between universities, the official transfer pathway (<https://aztransmac2.asu.edu/cgi-bin/WebObjects/ATASS.woa/wa/MajorGuidesNavAZ?School=EAC>) of the school which you plan to attend upon leaving EAC should be consulted in order to adjust this program to your personal needs.

Curriculum Requirements

MAT 230	Calculus II	4 credits
MAT 240	Calculus III	4 credits
Total Curriculum Requirements - 8 credits		

Curriculum Related Requirements

Select 9 additional credits from the following:

MAT 160	Introduction to Statistics	3 credits
MAT 171	Finite Mathematics	4 credits
MAT 181	Precalculus Trigonometry	3 credits
MAT 225	Elementary Linear Algebra	3 credits
PHY 211	Physics with Calculus I	5 credits
PHY 212	Physics with Calculus II	5 credits

General Education Requirements

AGEC-S. To complete your General Education requirements, one of the courses taken to fulfill degree requirements must be designated as an Intensive Writing/Critical Inquiry course (IW), Global/International/Historical Awareness (GIH) course, and Diversity and Inclusion (DI) course. Note that a single course may fulfill more than one of the requirements.

Composition

ENG 101	Written Communications I	3 credits
ENG 102	Written Communications II	3 credits

Mathematics

MAT 220	Calculus I	5 credits
MAT 260	Differential Equations	4 credits

Lab Science

From the list below, choose two courses with the same prefix totaling 8-10 credits:

BIO 181	General Biology I AND	4 credits
BIO 182	General Biology II OR	4 credits
CHM 151	General Chemistry I AND	4 credits
CHM 152	General Chemistry II OR	4 credits
PHY 211	Physics with Calculus I AND	5 credits
PHY 212	Physics with Calculus II	5 credits

Humanities

Select from Humanities list here. Choose courses from more than one department and one course must be in the Fine Arts.

6 credits

Social Sciences

Choose from Social Sciences list here. Choose courses from more than one department.

6 credits

Options

Select courses from the list here to achieve a total of at least 39 credits in General Education courses. If you plan to transfer, consult the catalog or an advisor from the school you will transfer to as you make your selections.

2 to 4 credits

Courses listed in Curriculum Requirements that qualify for General Education credit (see the General Education section of the catalog) may fulfill both General Education and Curriculum Requirements unless General Education Requirements are specified in the major .

Elective Requirements

Select from the Elective or Better list [here](https://aztransmac2.asu.edu/cgi-bin/WebObjects/CEG) or choose electives from the list of courses in the Arizona Higher Education Course Equivalency Guide (CEG) located at <https://aztransmac2.asu.edu/cgi-bin/WebObjects/CEG> . Scroll to the bottom and select Elective or Better Report under CEG Reports and information . Click on Eastern Arizona College . If you plan to transfer to any University other than the three Arizona State Universities, consult with an advisor from the school as you make your selections .

In addition to completing the required courses listed above with a grade of "C" or better, you must meet the following general graduation requirements to obtain this degree:

- Complete at least 16 degree credits at Eastern Arizona College.
- Attain a cumulative grade point average of 2.00 or higher.
- File a Graduation Petition through your Gila Hank Online account at least 60 calendar days prior to the end of the semester in which graduation is anticipated.
- Remove any indebtedness to the College.