

PROGRAM COURSE PATHWAY

The following sequence is the suggested pathway to complete the degree in two years. This sequence is based on satisfaction of all basic skills requirements and prerequisites and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your academic advisor for other options and to monitor your progress.

Program Name: Mathematics, AA

Program Learning Outcomes (PLOs):

1. Use a variety of models to define, represent, and solve mathematical problems (1, 2, 3)
2. Apply mathematical problem-solving strategies to problems from within and outside mathematics at the necessary level to transfer to a 4-year institution to achieve a degree in a STEM field (2,3,4,5)
3. Utilize two- and three-dimensional geometric models, properties of figures, analytic geometry, vectors, and trigonometry to represent and solve problems (2,3,6)
4. Articulate Mathematical Relationships by Representing, Analyzing, and Using Functions (2)
5. Use critical thinking and problem solving skills to analyze and assess the validity of mathematical information.(2,3,5)

Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms**	Credits
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First Semester: Fall

MAT 221*	Yes	F	4
ENG 101*	Yes	F, SP, SU	3
MAT 211	Yes	F	3
CIS 110	Yes	F, SP, SU	3
EGR 102		F	3

Second Semester: Spring

MAT 231*	Yes	SP	4
ENG 102*	Yes	F, SP, SU	3
PHY 115	Yes	SP	4
COM 121	Yes	F, SP	3
BUS 207	Yes	F, SP	3

Third Semester: Fall

MAT 241*	Yes	F	4
PHI 101	Yes	F, SP	3
PHY 116	Yes	F	4
PHI 205	Yes	F	3

Fourth Semester: Spring

MAT 260*		SP	4
MUS 101	Yes	F, SP	3
POS 120	Yes	F, SP	3
PSY 101	Yes	F, SP, SU	3
ANT 102	Yes	F, SP	3

Key:

SP= Spring

F= Fall

SU= Summer

1. Aesthetic Sensibilities: An awareness of creative expression in the world around us.
2. Communication Skills: The ability to effectively convey meaning through various media on both personal and professional levels.
3. Critical Thinking Skills and Problem-Solving: The ability to analyze data and arrive at logical and defensible conclusions.
4. Cultural Diversity and Global Awareness: An appreciation of relationships and differences in values, customs, and norms of diverse global communities.
5. Techniques of Inquiry: Use of standardized methodological framework to collect, analyze, interpret, and present findings.
6. Technological Competency: A proficiency in evolving technology to compete and flourish in society.

Total credits**63**

Optional Courses:**Elective Options: 12-15**

After consulting with an advisor, choose 6-8 transferrable* credits from the Course Equivalency Guide excluding courses already used for the AGEC-S. Please choose the **Mohave Community College** link.

*A transferrable course is defined as an MCC course that transfers to all three Arizona state universities (Arizona State University, Northern Arizona University, and University of Arizona).

**terms not guaranteed