MCC Mohave Community College

GUIDED 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: Science, AS

Program Student Learning Outcomes (SLOs):

1. Graduates will apply critical thinking skills and problem solving skills, including the scientific method and methods of scientific conversion in both professional and everyday life (3, 4, 5, 6)
2. Graduates will gain strong foundation and basic knowledge in several scientific disciplines (Biology, Chemistry, Geology and Physics), thus ensuring deeper understanding and ability to gather, process and present data in different scientific formats (2, 3, 4, 5, 6)
3. Graduates will apply scientific and technical multidisciplinary knowledge and practice in order to understand issues, solve problems and engage in responsible practices (2, 3, 4, 5, 6)
4. Graduates will prepare for further education in Graduate and Professional schools (Cell Biology, Molecular Biology, Research, Ecology, Bioengineering, Biotechnology, Petroleum engineering, Petroleum geophysics, Earth sciences, Hydrogeology, , Healthcare scientist, Clinical biochemistry, Forensic scientist, Pharmacologist, Toxicologist, Environmental consultant, Higher education lecturer, Patent attorney, Research Scientist, etc.) (1,2,3,4,5,6)

Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms**	Credits
First Semester: FALL			
BIO 181	YES	F	4
CHM 151	YES	F	4
MAT 221*	YES	F	4
ENG 101*	YES	F, SP, SU	3
PSY 101	YES	F, SP, SU	3
Second Semester: SPRING			
ENG 102*	YES	F, SP, SU	3
CHM 152	YES	SP	4
MAT 231	YES	SP	4
PHY 115*	YES	SP	5
Third Semester: FALL			
PHY 116 *	YES	F	5
ENV 101	YES	F, SP, SU	4
SOC 131	YES	F, SP, SU	3
CHM 235	YES	F	4
Fourth Semester: SPRING			
CHM 236	YES	SP	4
PHI 101	YES	F, SP	3
GLG 110	YES	F, SP, SU	4
BIO 182	YES	SP	4
HUM 151	YES	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 68

Optional Courses:

Elective Options: 3-4
After consulting with a student services specialist, choose **3**-4 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 <u>all three</u> Arizona state universities (Arizona State University, Northern Arizona University, and University of Arizona).

** terms not guaranteed