

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: Life Science, AS

Program Student Learning Outcomes (SLOs):

1. Graduates will apply critical thinking skills and lateral thinking, including the scientific method and scientific conversion in both professional and everyday life (3, 4, 5, 6).
2. Graduates will acquire foundation and basic knowledge in several scientific disciplines (Biology and Chemistry), thus ensuring deeper understanding and ability to gather, process and present data in different scientific formats (1, 2, 3, 4, 5, 6).
3. Graduates will build up strong foundation for all pre-medical fields as well as lab working skills, team working abilities, communication and problem solving skills (2, 3, 4, 5, 6).
4. Graduates will gather fundamental knowledge and deeper understanding of the biological sciences (animal, plant, microbiology, cell and molecular) that can range from concentrations in pure biology to multidisciplinary and applied life sciences (2, 3, 4, 5, 6).
5. Graduates will prepare for further education in Graduate and Professional schools (Cell Biology, Molecular Biology, Research, Ecology, Bioengineering, Biotechnology, Botany, Education, Biomedical disciplines such as anatomical, biochemical, epidemiological, immunological, microbiological, pathological, pharmacological and physiological sciences, Cardiovascular and Respiratory Sciences, Drug development and human toxicology, Cancer Biology and Genetics, Neurosciences, Education, etc.) (1, 2, 3, 4, 5, 6).

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

BIO 181*	YES	F	4
CHM 151*	YES	F	4
PHI 101	YES	F, SP	3
ENG 101*	YES	F, SP, SU	3
PSY 101	YES	F, SP, SU	3

Second Semester: SPRING

BIO 182*	YES	SP	4
CHM 152*	YES	SP	4
MAT 181	YES	SP	3
ENG 102*	YES	F, SP, SU	3
HUM 151	YES	SP	3

Third Semester: FALL

CHM 235*	YES	F	4
MAT 221*	YES	F	4
SOC 131	YES	F, SP, SU	3
BIO 201	YES	F, SP, SU	4

Fourth Semester: SPRING

CHM 236*	YES	SP	4
BIO 202	YES	F, SP, SU	4
ENV 101	YES	F, SP, SU	4
MAT 231*	YES	SP	4

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**65****Optional Courses:****Elective Options: 6-8**

After consulting with an advisor, choose 6-8 transferrable* credits from the Course Equivalency Guide excluding courses already used for the AGECS. 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