



LIFE SCIENCE CONCENTRATION • Associate in Arts, Liberal Arts and Sciences

BEDFORD CAMPUS - DAY

✓	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
_____	ENG 101	English Composition I	3	C- in ENG 071 or eligible for ENG 101 and placement above or successful completion of ENG 060
_____	ENG 102	English Composition II: An Introduction to Literature	3	ENG 101
_____	BIO 131	General Biology I	4	ENG 060 or higher placement and eligible for MAT 080 and ENG 101. A college-level lab science or high school biology or chemistry within the last 5 years.
_____	BIO 132	General Biology II	4	BIO 131
_____	CAP 103	Computers for Technology or	3-4	MAT 070 or placement into MAT 080
_____	CSC 101	Introduction to Computer Science with Visual Basic or		Taking; having successful completed or tested out of MAT 080 or have completed MAT 085 and eligible for ENG 101
_____	CSC 151	Programming I		CSC 101 or previous programming experience
_____	CHE 151	General Chemistry for Engineering and Science I	4	MAT 100 and previous high school or college chemistry in the past 5 years and eligible for ENG 101
_____	CHE 152	General Chemistry for Engineering and Science II	4	CHE 151, MAT 185 or higher
_____	MAT 185	Precalculus for Science I	4	MAT 100 with a grade of C or better or placement by exam
_____	MAT 190	Precalculus II	3	MAT 180 or MAT 185 or MAT 189 with a grade of C or better or placement by exam
_____	_____	Literature Elective	3	
_____	_____	Humanities Elective	3	
_____	_____	Humanities Elective	3	
_____	_____	Humanities Elective	3	
_____	_____	Life Science Elective**	3-4	
_____	_____	Life Science Elective**	3-4	
_____	_____	Social Science Elective	3	
_____	_____	Behavioral Science Elective	3	
_____	_____	Behavioral Science Elective or		
_____	_____	Social Science Elective	3	
_____	_____	Behavioral Science Elective or		
_____	_____	Social Science Elective	<u>3</u>	
			62-65	

*Permission of instructor

** The following courses are considered Life Science Electives: BIO 100, BIO 105, BIO 108, BIO 112, BIO 140, BIO 145, BIO 231, BIO 232, BIO 235, ENV 105, ENV 108, ENV 110, ENV 115, ENV 917, ENV 920, SCI 130, SCI 175.

Special Requirements for Liberal Arts & Sciences-Life Science: A two-semester history sequence (HST courses) is required for graduation. Additional coursework may be required based on college placement testing. Students are urged to meet with their academic advisor for proper course sequencing.

Program Description:

Students in the Life Science Concentration Associate in Arts in Liberal Arts and Sciences degree program pursue interests in the biological sciences, while exploring other academic disciplines through the general education requirements of a liberal arts education. The program satisfies the Commonwealth Transfer Compact, which guarantees credit transfer to Massachusetts state colleges and the University of Massachusetts.

Career and Transfer Outlook:

Most students in the Life Science Concentration continue their studies toward a bachelor's degree. Students should check the requirements of the transfer institution and meet with career and academic/transfer counselors at MCC for specific program planning. Students may pursue various careers in biology, biomedical, environmental sciences, teaching or health-related professions.

Helpful Hints:

Students should begin their Middlesex experience by taking the foundation-level courses (English and mathematics) prior to, or along with, their science courses. Writing and mathematics are fundamental to every subsequent course that students experience in a Liberal Arts and Sciences program.

Program Outcomes:

Graduates of the Life Science Concentration program are prepared to:

- Use their scientific educational experiences to provide a solid foundation for further study of the sciences;
- Convey scientific information through written, oral, numerical or visual communication;
- Demonstrate investigative skills that underlie the scientific method;
- Gather and interpret information about the natural world;
- Evaluate and discuss societal issues impacted by science.