

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		Course Number	Credit Hours
ENGLISH COMPOSITION AND ORAL COMMUNICATION:			3
Course 1:	Any Ohio Transfer 36 approved First Writing (TME001) course	ENG 1111	3
MATHEMATICS, STATISTICS, AND LOGIC:			5
Course 1:	Calculus I (TMM005) ¹	MTH 2200	5
ARTS AND HUMANITIES:			6
+ Course 1:	Any Ohio Transfer 36 approved Arts and Humanities course	HST 1120	3
+ Course 2:	Any Ohio Transfer 36 approved Arts and Humanities course	PHL 2000	3
SOCIAL AND BEHAVIORAL SCIENCES:			6
+ Course 1:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course [Introduction to Psychology (OSS015) recommended for pre-medicine]	PSY 1111	3
+ Course 2:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course [Introduction to Sociology (OSS021) recommended for pre-medicine]	SOC 1110	3
NATURAL SCIENCES:			10
Course 1:	General Chemistry I with lab (OSC008)	CHM 1210	5
Course 2:	General Chemistry II with lab (OSC009)	CHM 1220	5
ADDITIONAL CREDITS: ²			9
Course 1:	Any Ohio Transfer 36 approved Second Writing (TME002) course	ENG 1112	3
Courses:	Up to 7 additional hours of Ohio Transfer 36 approved courses	COM 1120	3
		ENG 2300	3
GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL:			39

Advising Notes:

Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors.

(+) indicates that the courses chosen should be from two different areas within that category.

¹ A prerequisite, such as College Algebra (TMM001), may be needed for a student to reach Calculus I (TMM005). The math requirement may vary by institution, and students planning to pursue a Bachelor of Arts in Biology may only need Pre-Calculus (TMM002). Check with your academic advisor and your receiving institution to determine the appropriate mathematics course.

² Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the Ohio Transfer 36.

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

Biology

Associate of Science

Effective beginning Academic Year 2019-20 (Last revised October 1, 2019)

PRE-MAJOR/BEGINNING MAJOR		Course Number	Credit Hours
Course 1:	Biology I (OSC003)	BIO 1510	5
Course 2:	Biology II (OSC004)	BIO 1520	5
Course 3:	Calculus-based Physics I with lab (OSC016) or Algebra-based Physics I with lab (OSC014) or biology course ¹	PHY 2501 or PHY 1501	5
PRE-MAJOR/BEGINNING MAJOR TOTAL:			15

Advising Notes:

¹ The amount and type of physics (calculus or non-calculus-based) required in the biological sciences varies from institution to institution. Many institutions require at least one semester of physics, others none. If physics is not a program requirement, an appropriate biology course should be selected with the guidance of your academic advisor. Please consult with your academic advisor and your receiving institution within the first year of study to determine an appropriate course of study.

OTHER REQUIREMENTS		Course Number	Credit Hours
Courses 1 and 2:	Full-Year Sequence of Organic Chemistry with lab (OSC010) ¹ [Not required but highly recommended for pre-medicine]	Course Sharing ²	5-10
Electives:	General Electives as needed (May include FYE or Orientation course) ³	FYE 1100	1
		PSY 2223 or SOC 2230	3
OTHER REQUIREMENTS TOTAL:			9-14

Advising Notes:

¹ The statewide transfer guarantee applies to the full-year sequence. All non-sequence coursework will be reviewed on a course-by-course basis by the receiving institution for transfer and application to the major. Not all institutions require Organic Chemistry, although it may be required for students who are pre-medicine. Consult with your academic advisor and your receiving institution.

² Please discuss your course sharing options with your academic advisor.

³ Certain institutions may require two semesters or more of foreign language for Bachelor of Arts and Bachelor of Science degrees. If so, foreign language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework may include courses in cell biology, microbiology, or genetics. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	Total Credit Hours
ASSOCIATE DEGREE TOTAL:	63-68

SPECIAL NOTES

Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer 36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.

For additional information, please contact:

Student Success Center - Advising

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(937) 328-6084

www.clarkstate.edu

SAMPLE DEGREE MAP

FIRST YEAR

SEMESTER 1		SEMESTER 2	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
ENG 1111 English I	3	ENG 1112 English II	3
BIO 1510 Biology I	5	BIO 1520 Biology II	5
CHM 1210 General Chemistry I	5	CHM 1220 General Chemistry II	5
PSY 1111 Introduction to Psychology	3	SOC 1110 Introduction to Sociology	3
FYE 1100 College Success	1		
Total Semester 1 Credit Hours	17	Total Semester 2 Credit Hours	16

SECOND YEAR

SEMESTER 3		SEMESTER 4	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
MTH 2200 Calculus I	5	COM 1120 Public Speaking I	3
PHY 1501 General Physics I with Algebra or PHY 2501 College Physics I with Calculus	5	HST 1120 Western Civilization Since 1600	3
PHL 2000 Critical Thinking	3	ENG 2300 Great Books: World Literature	3
Organic Chemistry I - course sharing	5	PSY 2223 Lifespan Human Growth and Development or SOC 2230 Social Problems	3
		Organic Chemistry II - course sharing (optional)	0-5
Total Semester 3 Credit Hours	18	Total Semester 4 Credit Hours	12-17