

Biology, B.S.
Associate Degree Transfer, Biology, AS-T
2019-2020 Academic Year

Students should adhere to this recommended plan to ensure completion of 60 additional units.

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
Year 1	BIO 2400 Genetics	Prereq: BIO 123/BIO 123L, BIO 1220/BIO 1220L, BIO 122/BIO 122L/BIO 1220C, BIO 115/BIO 115L/BIO 115A, BIO 1150/BIO 1150L, BIO 110/BIO 111 or BIO 1110/BIO 1110L.	3	BIO 2110L Biostatistics Laboratory	Prereq: STA 120 or STA 1300; and BIO 123/BIO 123L; BIO 1220/BIO 1220L; BIO 122/BIO 122L/BIO 1220c; BIO 115/BIO 115L/BIO 115A; or BIO 1150, BIO 1150L.	1	<i>Students with TMC certificate already have 2 units of support courses.</i>
	STA 1300 Biostatistics (B4)	Prereq: C or better in MAT 12, ESM 12, MAT 1060, MAT 106, MAT 1250, MAT 125, MAT 1910, MAT 191, MAT 1050, MAT 105, STA 1200, or STA 120; or C- or better in MAT 1051.	3	BIO 3220 Cell and Molecular Biology	Prereq: BIO 303 or BIO 2400.	3	
	Major Electives	Emphasis or Non-Emphasis Elective; select from Curriculum Sheet	3	BIO 3250 Principles of Ecology	Prereq: BIO 123/BIO 123L, BIO 1220/BIO 1220L or BIO 122/BIO 122L/BIO 1220C.	3	
	CHM 2010 Elements of Organic Chemistry	or CHM 3140 Organic Chemistry I (4)	3	Major Electives	Emphasis or Non-Emphasis Elective; select from Curriculum Sheet	4	
	CHM 2010L Elements of Organic Chemistry Laboratory	or CHM 3140L Organic Chemistry Laboratory I	1	GE Area D4: Social Science Synthesis		3	
	GE Area C3: Arts and Humanities Synthesis		3				
	<i>Take the Graduation Writing Test.</i>						
Total Units			16	Total Units		14	

Year 2	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
	BIO 3240 Principles of Evolution	Prereq: BIO 123/BIO 123L and BIO 303; or BIO 1220/BIO 1220L and BIO 2400; or BIO 122/BIO 122L and BIO 1220C	3	Major Electives	Emphasis electives; select from Curriculum Sheet; include any 4000-level or above courses	4	
Major Electives	Emphasis electives; select from Curriculum Sheet	3	Major Electives	Emphasis electives; select from Curriculum Sheet; include any 4000-level or above courses	4		
Major Electives	Emphasis electives; select from Curriculum Sheet	3	Major Electives	Emphasis electives; select from Curriculum Sheet; include any 4000-level or above courses	4		
CHM 3210 Elements of Biochemistry	or CHM 3270 Biochemistry I (CHM 3270L co-requisite)	3	Major Electives	Emphasis electives; select from Curriculum Sheet	3		
GE Area B5: Science and Technology Synthesis		3			0		
<i>File an application to graduate</i>							
Semester Total Units			15	Semester Total Units		15	
						Total Units	60