

Biology, B.S.: 120 units
Associate Degree Transfer, Biology, AS-T
2021-2022 Academic Year

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

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
Year 1	BIO 2400 Genetics [FSp]	Prereq: BIO 121/BIO 121L, BIO 122/BIO 122L, and BIO 123/BIO 123L; BIO 121/BIO 121L and BIO 122/BIO 122L/BIO 1220C; BIO 121/BIO 121L/BIO 1210B and BIO 1220/BIO 1220L; BIO 1210/BIO 1210L and BIO 1220/BIO 1220L; BIO 115/BIO 115L/BIO 115A; BIO 1150/BIO 1150L; BIO 110	3	BIO 2110L Biostatistics Laboratory [FSp]	Prereq: STA 120 or STA 1300; AND BIO 121/BIO 121L, BIO 122/BIO 122L, and BIO 123/BIO 123L; BIO 121/BIO 121L and BIO 122/BIO 122L/BIO 1220C; BIO 121/BIO 121L/BIO 1210B and BIO 1220/BIO 1220L; BIO 1210/BIO 1210L and BIO 1220/BIO 1220L; BIO 115/115L/115A; or BIO 11	1	<i>Students with TMC certificate already have 2 units of support courses.</i> TWO PATHWAYS FOR ORGANIC CHEMISTRY: CHM 2010/L → CHM 3210 OR CHM 3140/L and CHM 3150 → CHM 3210 or CHM 3270/L *CHM 3150 will count towards non-emphasis electives
	STA 1300 Biostatistics (B4) [FSp]	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 [FSpSu]	Prereq: BIO 303 or BIO 2400.	3	
	BIO 3240 Principles of Evolution [FSp]	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	BIO 3250 Principles of Ecology [FSp]	Prereq: BIO 121/BIO 121L, BIO 122/BIO 122L, and BIO 123/BIO 123L; BIO 121/BIO 121L and BIO 122/BIO 122L/BIO 1220C; BIO 121/BIO 121L/BIO 1210B and BIO 1220/BIO 1220L; or BIO 1210/BIO 1210L and BIO 1220/BIO 1220L.	3	
	Major Required [FSpSu]	CHM 2010 Elements of Organic Chemistry or CHM 3140 Organic Chemistry I	4	Major Required [FSp]	CHM 3210 Elements of Biochemistry or CHM 3150 (if CHM 3140/L was previously taken)	3	
	Major Required [FSpSu]	CHM 2010L Elements of Organic Chemistry Laboratory or CHM 3140L Organic Chemistry Laboratory I	1	HST 3340 History of American Institutions and Ideals, 1877-present (C3, Amer. Ideals Part A) [FSp]	If American Ideals requirement has been satisfied by lower division transferred courses, take any D4 Social Science Synthesis course.	3	
	Major Electives [FSp]	Select from Curriculum Sheet	2	Major Electives	Select from Curriculum Sheet	2	
	Total Units		16	Total Units		15	

	Fall		Units	Spring		Units	Comments	
	Courses	Requirements/Comments		Courses	Requirements/Comments			
Year 2	GE Area B5: Science and Technology Synthesis [FSp]	Prereq: Consider Non-emphasis electives from Curriculum Sheet	3	Major Electives	Select from Curriculum Sheet	3	<i>Students from options 1&2 need to fulfill 27 elective core units from a list of specified courses for the department of Biological Sciences. Students from options 3&4 are already getting credit for BIO 2050/L "Form and Function in Plants" and BIO 2070/L *CHM 3270L will count towards non-emphasis electives</i>	
	PLS 4205 American Political Institutions and Behavior (D4, Amer. Ideals Part B) [FSp]	Prereq: If American Ideals requirement has been satisfied by lower division transferred courses, take any D4 Social Science Synthesis course.	3	Major Electives	Select from Curriculum Sheet	4		
	Major Electives	Major Electives (Select from Curriculum Sheet) or CHM 3210 or CHM 3270/L*	3	Major Electives	Select from Curriculum Sheet	3		
	Major Electives	Select from Curriculum Sheet	3	Major Electives	or Unrestrictive Electives (see comment to the right)	4		
	Major Electives	Select from Curriculum Sheet	3			0		
	<i>File an application to graduate</i>							
	Semester Total Units		15	Semester Total Units		14		
Total Units					60			