

Biology, B.S.: 120 units
Associate Degree Transfer, Biology, AS-T
2020-2021 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 [FSpSu]	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>
	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	
	CHM 3140 Organic Chemistry I [FSpSu]	C- or better in CHM 123 or CHM 1220; and C- or better in CHM 123L or CHM 1220L.	4	CHM 3210 Elements of Biochemistry [FSpSu]	C- or better in CHM 1220 or CHM 122; C- or better in CHM 1220L or CHM 122L; C- or better in CHM 315, CHM 201, CHM 2010, or CHM 3150; and C- or better in CHM 317L, CHM 250L, CHM 3140L, or CHM 2010L.	3	
	CHM 3140L Organic Chemistry Laboratory I [FSpSu]	C- or better in CHM 3140 or CHM 315; CHM 3140 can be concurrent.	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 C3 Upper Division Arts and Humanities Synthesis course.	3	
	Major Electives	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</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	Select from Curriculum Sheet	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	