

Biology to B.S. Biology + Teaching Credential Freshman Pathway 2026-2027

Fall Freshman Courses (16 units total)	Course or GE Title	Unit s	GE/Major
FYS 191 or 143 or other FYS	First Year Seminar w/ GE area 6 or C2	3	6 or 3B, FYS
MATH 130 (w MATH 30 if needed)	Precalculus (w co-reg support course)	5	2
HCOM 110 (or GE area 1B)	Fundamentals of Speaking and Listen	3	1C (or 1B)
CHEM 110 +CHEM 110L	General Chemistry I & Chem 1 Lab	4+1	5A, 5C, Major
Spring Freshman Courses (15 units total)	Course or GE Title	Unit s	GE/Major
HCOM 125 or (CAD 102 + 90)	Critical Reading and Writing	3	1A
MATH 150	Calculus I	4	2, Major
CHEM 111 & CHEM 111L	General Chemistry II & Chem II Lab	4+1	Major
Any 3A GE course	Arts General Education course	3	3A
Fall Sophomore Courses (15 units total)	Course or GE Title	Unit s	GE/Major
HCOM 200, HCOM 202, or BIO 131	Critical Thinking GE	3	1B
PHYS 220	Physics 1 with lab	4	Major
BIO 211 & 211L	Ecology, Evolution, Biodiv & Plants & lab	5	Major
US History with GE area 3B or 6 SBS 114 or HCOM 243, SBS 249	US History course with GE area 3B or 6	3	US History US1, 3B or 6
Spring Sophomore Courses (17 units total)	Course or GE Title	Unit s	GE/Major
BIO 210 & BIO 210L, CHEM 211 & CHEM 211L	Molec&Cell Bio &Animal Phys & lab Organic Chemistry I & OCHEM 1 lab	4+1 3+2	5B, 5C, Major Major
SL210S, ED212S, HCOM260S, SBS212S	Civics/Service Learning GE course	3	4,DCSL, US2&3
PHYS 221 (spring only)	Physics 2 with lab	4	concentration
Summer soph/junior Courses (6 units)	Course or GE Title	Unit s	GE/Major
SPED 560	Inclusionary Practices	3	concentration
HDFS 200, KIN 161, KIN 263	General Education course	3	GE
Fall Junior Courses (186units)	Course or GE Title	Unit s	GE/Major
BIO 330	Physiology or Evolutionary Biol course	3	Concentration
GEOL 210	Earth Science for teachers	3	Concentration
BIO 341	Evolutionary Biol & Population Genetics	3	Concentration
BIO 311	Genetics	4	UD5, major
SPAN 312, 350, 340, or JAPN 350	UDC with language	3	UD3, WCL
Spring Junior Courses (18 units)	Course or GE Title	Unit s	GE/Major
STAT 250 or STAT 100	Applied Stats for Science & Tech, Intro Stats	4/3	Major
BIO 320	Microbiology	4	Concentration
BIO 301	Research & Technical Writing in Biology	3	GWAR, Core
BIO 340	Ecology	4	UD5, major
SBS 384S (spring only)	Anthropology of Bilingual Education	3	UD4, UD5L
Summer Jr/Sr Courses (6 units)	Course or GE Title	Unit s	GE/Major
ED 607	Adolescent Development & Learning	3	Credential
ED 628	Secondary Pedagogy & Linguistic Diversity	3	Credential
Fall Senior Courses 17 units)	Course or GE Title	Unit s	GE/Major
ED 510	Positive Behavior & Intervention Systems	3	Credential
ED 605A	Secondary Curric & Instruction: Science	3	Credential

ED 624	Stage 1 Supervised Secondary Teaching	8	Credential
ED 624A	Stage 1 Supervised Secondary Tch Seminar	3	Credential
Spring Senior Courses (17 units)	Course or GE Title	Unit s	GE/Major
ED 627	Second Language & Literacy Development	3	Credential
ED 643	Educational Measurement & Evaluation	3	Credential
ED 625	Stage 2 Supervised Secondary Teaching	8	Credential
ED 625A	Stage 2 Supervised Secondary Tch Seminar	3	Credential
BIO B.S. + Credential			