Biology: Ecology, Evolution & Organismal 4-Year Pathway 2024-2025

Fall Freshman Courses (14 units total)	Course or GE Title	Units	GE/Major
FYS 191 or 143 or other FYS	First Year Seminar w/ GE area F or C2	3	GE area F or C2, FYS
MATH 130 (w/ MATH 30 if needed)	Precalculus (w/ co-req support course)	5	GE Area B4
HCOM 110 (or GE area A3)	Fundamentals of Speaking and Listen	3	A1 (or A3)
CHEM 109	Introductory Chemistry	3	B1
Spring Freshman Courses (15 units total)	**Course or GE Title**	**Units**	**GE/Major**
HCOM 125, CAD 101B or (CAD 102 + 90)	Critical Reading and Writing	3	GE Area A2
MATH 150	Calculus I	4	GE B4, major
CHEM 110 +CHEM 110L	General Chemistry I & Chem 1 Lab	4+1	B1, B3, major
Any C1 GE course	Arts General Education course	3	C1
Fall Sophomore Courses (16 units total)	**Course or GE Title**	**Units**	**GE/Major**
HCOM200, HCOM202, BIO131 or ENSTU130	Critical Thinking GE	3	GE A3 (or A1)
CHEM 111 & CHEM 111L	General Chemistry II & Chem II Lab	4+1	Major
BIO 211 & BIO 211L (211D optional)	Ecology, Evolu, Biodiv & Plants & lab	4+1	Major, B2
US History with GE area C2 or F SBS 114 or HCOM 243, SBS 249	US History course with GE area C2 or F	3	US Hist US1 w/ C2 or F
Spring Sophomore Courses (17 units total)	**Course or GE Title**	**Units**	**GE/Major**
BIO 210 & BIO 210L	Cell & Molec Bio & Animal Physio& Lab	4+1	GE B2, B3, Major
CHEM 211 & CHEM 211L	Organic Chemistry I & OCHEM 1 lab	3+2	Major
PHYS 220	Physics I with Lab	4	Major
HDFS 200, KIN 161, KIN 263	Area E Lifelong Lrng &Self-Devel	3	GE Area E

Fall Junior Courses (16 units total)	Course or GE Title	Units	GE/Major
BIO 340	Ecology	4+1	UDB, Major
STAT 250	Applied Stats for Science & Tech	4	Major
SL210S, ED212S, HCOM260S, SBS212S	Civics/Service Learning GE course	4	DCSL, US2&3
Additional C1 or C2 course if needed	Lower-division Arts or Humanities	3	GE C1 or C2
Spring Junior Courses (16 units total)	**Course or GE Title**	**Units**	**GE/Major**
BIO 330 or BIO 332 or 370 or MSCI 331	Development or Physiology course	3	Major
BIO 320, 322, 344L, 380, CHEM 350, ENVS 350 or MSCI 350	Research Methods Course	4	Research methods
BIO 301	Research & Technical Writing in Biology	3	GWAR, Major
BIO 341	Evolutionary Biol & Population Genetics	3	Conc core
Social Science GE course	Lower-division DGSS course	3	GE DGSS
Fall Senior Courses (15 units total)	**Course or GE Title**	**Units**	**GE/Major**
BIO 379S or ENVS 382S or ENSTU 349S or ENSTU 369S or ENSTU 384S or MSCI 359S	Upper-division Service learning	3	UDSL, Major
BIO311	Genetics	4	GE UDB/Major

	EEO Integrative Learning Course(s)	EEO Integrative Learning/Capstone	5	Conc
	SPAN 340 or 350 or JAPN 340 or 350	UD C with World Culture & languages	3	GE UDC/WCL
	Spring Senior Courses (13 units total)	**Course or GE Title**	**Units**	**GE/Major**
	Group A Elective	Major elective from Group A	3	Conc
	Group A Elective	Major elective from Group A	3	Conc
	Group B Elective	Major elective from Group B	4	Conc
	Any upper-division Social Sciences	UD Social Sciences	3	GE UDD
		Total Units BIO EEO 4-yr pathway	**122**	