

2024-25 ACADEMIC MAP

BS Biology - Biology Education

TOTAL HRS: 120



Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

* minimum grade required

FALL SEMESTER						SPRING SEMESTER					
PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR
YEAR 1-Freshman	BIO 100	General Biology I	4	Major	C	BIO 101	General Biology II	4	Major	C	
	CHE 101	Gen Chem I Lecture	3	Gen Ed	C	CHE 102	Gen Chem II Lecture	3	Gen Ed	C	
	CHE 103	Gen Chem I Lab	1	Gen Ed	C	CHE 104	Gen Chem II Lab	1	Gen Ed	C	
	ENG 101	Composition I	3	Gen Ed		ENG 102	Composition II	3	Gen Ed		
	MAT 104	College Algebra	3	Gen Ed	C	MAT 105	Trigonometry	3	Spec Dgr	C	
	FYS 100/300 ¹	First Year Seminar	1	Univ Req			Communication Studies	3	Gen Ed		
		15					17				
CORE exam should be taken.											
YEAR 2-Sophomore	CHE 215	Intro to Organic Chem	3	Major	C	CHE 325	Intro to Biochemistry	3	Major	C	
	CHE 216	Intro to Organic Chem Lab	1	Major	C	CHE 326	Intro to Biochemistry Lab	1	Major	C	
	BIO 217	Microbiology	4	Major	C	BIO Core	Cell, Ecology, or Genetics	4	Major	C	
	PSY 101	General Psychology	3	Gen Ed	C	EPY 341	Educational Psychology	3	Prof Ed		
	CUR 300	Survey of Ed w/ Field Exp	3	Prof Ed	C	CSP 340	Survey of Except Children	3	Prof Ed		
			14			CUR 393	Classroom Management	3	Prof Ed		
							17				
PLT exam should be taken.											
YEAR 3-Junior	BIO Core	Cell, Ecology, or Genetics	4	Major	C	BIO 435	Methods & Materials	3	Major	C	
	ENG 205	Literacy Pedagogy	3	Gen Ed		BIO Core	Cell, Ecology, or Genetics	4	Major	C	
	BIO 230	Human A&P I	4	Major		BIO 440	Evolution and Systematics	3	Major	C	
	PHY 110	The Physical World	3	Gen Ed	C		Perspectives on Society	3	Gen Ed		
			14				Humanities & Fine Arts	3	Gen Ed		
							16				
Praxis II exam should be taken.											
YEAR 4-Senior	CUR 493	Teaching the Sciences	3	Prof Ed		CUR 498	Directed Internship	9	Prof Ed		
	CIS 205	Microcomputer Apps	3	Gen Ed			Fine Arts	3	Gen Ed		
	BIO 411	Elements of Plant Systematics	3	Major	C			12			
	CUR 400	Assess, Data Analysis, Eval	3	Prof Ed							
	HIS 100/200 level	History	3	Gen Ed							
		15									

¹All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).

- The BS in Biology with an Education concentration is designed for students who want to prepare to teach biology at the secondary level.
- CHE 101 General Chemistry I requires math ACT subscore of 20 or higher **OR** MAT 104 with a grade of C or better **OR** CHE 100 with a grade of C or better.
- MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.
- MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.
- MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.