

Department of Biology
BS in Biology with a minor in Secondary Education (125 hrs)
Fall 2011

Freshman Year

Course #	Title	1st Sem.	2nd Sem.	Total Hours
ENGL 110	Composition I	3	-	3
ENGL 111	Composition II	-	3	3
MATH 121*	College Algebra & Trig II	3	-	3
STAT 210	Statistics	-	3	3
CHEM 151	General Chemistry I	3	-	3
CHEM 153	General Chemistry I Laboratory	1	-	1
CHEM 152	General Chemistry II	-	3	3
CHEM 154	General Chemistry II Laboratory	-	1	1
BIOL 120	Principles of Biology I	3	-	3
BIOL 120	Biology Laboratory I	1	-	1
BIOL 121	Principles of Biology II	-	3	3
BIOL 121	Biology Laboratory II	-	1	1
	Physical Education Elective	1	-	1
	History Elective	-	3	3
		15	17	32

Sophomore Year

Course #	Title	1st Sem.	2nd Sem.	Total Hours
EDUC 201	Introduction to Teaching I	2	-	2
EDUC 202	Introduction to Teaching II	-	2	2
IDST 200	Digital Media in Teacher Education	-	3	3
ENGL 202	Literature Elective	-	3	3
CHEM 305	Organic Chemistry I	3	-	3
CHEM 307	Organic Chemistry I Lab	1	-	1
BIOL 201	Cell and Molecular Biology	3	-	3
BIOL 201	Cell and Molecular Biology Laboratory	1	-	1
BIOL 241	Introduction to Microbiology	3	-	3
BIOL 241	Introduction to Microbiology Laboratory	1	-	1
BIOL 205	Integrative Organismal Biology	-	3	3
BIOL 205	Integrative Organismal Biology Laboratory	-	1	1
	Global Studies Elective		3	3
	Humanities Elective	3	-	3
		17	15	32

Junior Year

Course #	Title	1st Sem.	2nd Sem.	Total Hours
EDUC 315	Data Driven Instructional Design	3	-	3
PSYC 212	Human Growth and Development	-	3	3
SPED 403	Classroom management in Educational Settings	-	3	3
BIOL 320	Principles of Genetics	3	-	3
BIOL 320	Principles of Genetics Laboratory	1	-	1
PHYS 105	General Physics I	3	-	3
PHYS 105	General Physics I Laboratory	1	-	1
BIOL 324	Ecology	-	3	3
BIOL 324	Ecology Laboratory	-	1	1
BIOL310	Plant Morphology	3	-	3
BIOL310	Plant Morphology Lab	1	-	1
GEES 181	Earth Science	-	3	3
GEES 181	Earth Science Laboratory	-	1	1
	Physical Education Elective	-	1	1
		15	15	30

Senior Year

Course #	Title	1st Sem.	2nd Sem.	Total Hours
EDUC 424	Critical Issues in Education	2	-	2
	Biology Restrictive Elective and Lab	4	-	4
BIOL 447	Seminar in Biology	2	-	2
BIOL 428	Teaching Science in Secondary Schools	3	-	3
BIOL 402	Student Teaching in Biology	-	3	3
BIOL 446	Investigations and Research	2	-	2
EDUC 427	Reading in The Subject Area	3	-	3
EDUC 401	Student Teaching Seminar	-	3	3
EDUC 402	Student Teaching	-	9	9
		16	15	31

Additional Requirements for BS in Biology with a minor in Secondary Education

Freshman Year:

- IDST 100/101 are not needed if PRAXIS I scores or SAT scores requirement are met
- Take and pass Praxis I Assessment

*Students not ready for MATH 121 in their Freshman Year may take MATH120. However, the credits do not count toward the total number of semester hours needed to complete the degree requirements.

Sophomore Year:

Students must complete admission to Teacher Education Professional Program.

Senior Year:

Student must take and pass Praxis II in Biology prior to student teaching.

SUMMARY
DEPARTMENT OF BIOLOGY
BS in Biology with a minor in Secondary Education (125 hrs)

Major, Biology		40
Natural Sciences and Math		26
Math	6	
Physics	4	
Chemistry	12	
Earth Science	4	
Profession Education		39
IDST 200	3	
EDUC 200 & 201	4	
PSYC 212	3	
IDST 200	3	
EDUC 315	3	
EDUC 427	3	
SPED 403	3	
EDUC 424	2	
EDUC 401	3	
EDUC 402	9	
BIOL 428	3	
BIOL 402	3	
General Education		20
History	3	
Humanities	3	
Global Studies	3	
ENGL 110-111	6	
Literature	3	
Physical Ed	2	
	Total Hrs	125