

Biological Sciences Major Requirements (48)

Foundation Courses

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- MATH 134 - Calculus for the Life Sciences I (See Note 1)
- STAT 151 - Introduction to Applied Statistics I

Senior Courses

- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology

3 units from:

Ecology, Evolution or Diversity List (See Note 2) _____

3 units from:

Genetics, Molecular Biology or Microbiology List (See Note 2) _____

3 units from:

Physiology, Cell Biology or Developmental Biology List (See Note 2) _____

18 units (total) from

Any of the following:

12 units at the 300 and/or 400-level

6 units at the 400-level

BIOCH	CELL	MA SC	PALEO
BIOIN	ENT	MICRB	PHYSL
BIOL	GENET	MMI	PMCOL
BOT	IMIN	NEURO	ZOOL

Ecology, Evolution and Diversity Course List

BIOIN 301	BIOL 364	BIOL 430	BOT 321	IMIN 401	MICRB 423	ZOOL 352
BIOIN 401	BIOL 365	BIOL 432	BOT 322	IMIN 410	PALEO 201	ZOOL 370
BIOL 221	BIOL 366	BIOL 433	BOT 330	MA SC 410	PALEO 400	ZOOL 371
BIOL 322	BIOL 367	BIOL 434	BOT 332	MA SC 412	PALEO 418	ZOOL 405
BIOL 330	BIOL 380	BIOL 440	BOT 411	MA SC 415	PALEO 419	ZOOL 406
BIOL 332	BIOL 381	BIOL 468	ENT 220	MA SC 425	ZOOL 224	ZOOL 407
BIOL 333	BIOL 384	BIOL 471	ENT 222	MA SC 430	ZOOL 250	ZOOL 408
BIOL 335	BIOL 392	BOT 205	ENT 327	MA SC 437	ZOOL 325	
BIOL 341	BIOL 395	BOT 306	ENT 378	MICRB 320	ZOOL 340	
BIOL 361	BIOL 421	BOT 314	ENT 401	MICRB 392	ZOOL 351	

- COMM
- COMM
- IND
- BO__
- BO__
- BSBS
- BSFS
- BSSS
- LAB

Genetics and Molecular Biology or Microbiology Course List

BIOIN 301	BIOL 380	BOT 445	GENET 302	GENET 375	GENET 420	MICRB 311
BIOIN 401	BIOL 391	BOT 464	GENET 304	GENET 390	GENET 422	MICRB 315
BIOL 322	BIOL 392	GENET 270	GENET 305	GENET 415	GENET 424	MICRB 316
BIOL 343	BIOL 421	GENET 301	GENET 364	GENET 418	MICRB 265	MICRB 423

Notes:

1. MATH 134 is strongly recommended; however, it may be replaced with MATH 117, MATH 144, or MATH 154.
2. BIOL 107, BIOL 108, BIOL 207 and BIOL 208 may not be used to fulfill this program requirement.
3. Students must complete at least 9 units in courses with a lab component (at the 200-, 300-, and 400-level; excluding BIOL 207, BIOL 208, BIOL 298, BIOL 299, BIOL 398, BIOL 399, BIOL 490, BIOL 498, BIOL 499, MMI 499 or equivalent, and other research or independent study courses).
4. Students should consult the Department of Biological Sciences for advice about course selection throughout the program.

Physiology, Cell and Developmental Biology Course List

BIOIN 301	BIOL 445	ENT 378	IMIN 371	MA SC 415	ZOOL 343	ZOOL 441
BIOIN 401	BOT 303	ENT 392	IMIN 372	ZOOL 241	ZOOL 344	ZOOL 442
BIOL 310	BOT 308	GENET 375	IMIN 401	ZOOL 242	ZOOL 350	ZOOL 452
BIOL 341	BOT 340	GENET 412	IMIN 405	ZOOL 303	ZOOL 352	
BIOL 391	BOT 380	IMIN 200	IMIN 410	ZOOL 340	ZOOL 370	
BIOL 409	BOT 445	IMIN 324	IMIN 452	ZOOL 342	ZOOL 402	