Integrative Physiology Major Requirements (54)

Notes:
1. MATH 134 is strongly recommended; however, it may be replaced with MATH 117 or MATH 144.
2. Some courses appear on more than one list. Students may not use the same course to satisfy more than one list requirement.
3. Students should consult the Department of Biological Sciences for advice about course selection throughout the program.

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

- ☐ BIOCH 200 - Introductory Biochemistry
- ☐ BIOL 207 - Molecular Genetics and Heredity
- ☐ BIOL 208 - Principles of Ecology
- ☐ CHEM 261 - Organic Chemistry I
- ☐ ZOOL 241 - Animal Physiology I: Homeostasis
- ☐ ZOOL 242 - Animal Physiology II: Intercellular Communication
- ☐ ZOOL 344 - Laboratory Exercises in Animal Physiology

3 units from:
BIOL 201 - Eukaryotic Cellular Biology
CELL 201 - Introduction to Molecular Cell Biology _____

3 units from:
BIOL 445 - Current Topics in Animal and Cell Physiology
BOT 445 - Molecular Plant Physiology
BOT 464 - Plant Functional Genomics
ZOOL 402 - Current Topics in Developmental Biology
ZOOL 441 - Current Topics on Homeostasis
ZOOL 442 - Current Topics in Intercellular Communication
ZOOL 452 - Topics in Parasitology _____

IP List A

BIOL 341	BOT 445	ZOOL 340	ZOOL 350	ZOOL 441
BIOL 445	BOT 464	ZOOL 342	ZOOL 352	ZOOL 442
BOT 340	IMIN 371	ZOOL 343	ZOOL 402	ZOOL 452

3 units from IP List A at the 300 or 400 level:

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IP List B

BIOL 310	BIOL 495	BOT 464	GENET 390	MA SC 415	PHYSL 400	ZOOL 303	ZOOL 370
BIOL 391	BIOL 498	CELL 300	GENET 412	MICRB 311	PHYSL 403	ZOOL 340	ZOOL 402
BIOL 398	BIOL 499	CELL 301	GENET 420	NEURO 410	PHYSL 404	ZOOL 342	ZOOL 441
BIOL 399	BOT 303	CELL 402	IMIN 371	NEURO 411	PHYSL 405	ZOOL 343	ZOOL 442
BIOL 409	BOT 340	GENET 301	IMIN 372	NEURO 472	PHYSL 444	ZOOL 352	ZOOL 452
BIOL 445	BOT 380	GENET 304	IMIN 401	NEURO 496	PMCOL 371		
BIOL 490	BOT 445	GENET 375	IMIN 405	PHYSL 372			

6 units from IP List B at the 300 or 400 level:

_____ _____

3 units from IP List B at the 400 level:

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- ☐ COMM
- ☐ COMM
- ☐ IND
- ☐ BO___
- ☐ BO___
- ☐ BSBS
- ☐ BSFS
- ☐ BSSS
- ☐ LAB