

I. Major in General Biology—42 hours

1. BIO 112, 210, 211, 215, 315, 318 or 328~~24~~ hours
2. Four 300-level BIO courses~~4~~ hours minimum
3. BIO 425, 426, 437, 498~~4~~-hours

(Majors are required to take CHE 111 from Group A list of laboratoryscience options in the general core.)

II. Major in Zoology—43–44 hours

1. BIO 112, 200, 210, 211, 301, 312, 316, 336~~32~~ hours
2. Select one from: BIO 304, 310, 315, 317, 323, 325, 326~~4~~-hours
3. Select one from: BIO 318 or 328, 324, 329, 356, 357~~3~~-or 4 hours
4. BIO 425, 426, 437, 498~~4~~-hours

(Majors are required to take CHE 111 from Group A list of laboratoryscience options in the general core.)

III. Major in Cell and Molecular Biology—72–73 hours

1. BIO 112, 211; 210 or 215~~42~~ hours
2. BIO 315, 323, 325, 397~~45~~ hours
3. Three of BIO 307, 309, 310, 316, 317, 320, 324, 326~~42~~ hours
4. One 300-level BIO Elective~~3~~-or 4 hours
5. CHE 111, 112, 314, 315, 324, 326, 319, 329~~26~~ hours
6. BIO 425, 426, 437, 498~~4~~-hours
7. No minor is required

IV. Major in Conservation Biology—66–68 hours

- A. Prerequisites or Corequisites: CHE 111; 2 MAT courses 111 or higher
- B. BIO 112, 200, 210, 215; PHY 112 or higher~~20~~ hours
- C. BIO 303, 304, 305, 318 or 328, 335, 355~~20~~ hours
- D. BIO 425, 426, 437, 498~~4~~-hours
- E. Tw of BIO 337, 358, 359~~8~~-hours
Four of BIO 301, 312, 315, 316, 324, 329, 336, 356, 357~~44~~16 hours
- F. No minor is required.

V. Major in Botany—42-44 hours

1. BIO 112, 211, 215, 337, 358, 359~~28~~ hours
2. Select three electives (at least one from each group):
Group A: BIO 304, 318 or 328, 355
Group B: BIO 315, 323, 325
3. BIO 425, 426, 437, 498~~4~~-hours

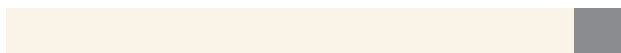
(Majors are required to take CHE 111 from Group A list of laboratoryscience options in the general core.)

VI. Teacher Licensure in Biology (Grades 6–12)

- A. Major requirements as show above with General BiologyMajor to include 316 (or 307 and 309).
- B. Students will take BIO 419 and an additional 300-level elective applicable to biologymajor in place of BIO 425, 426, 437.
- C. Additional requirements: PHY 111 and 112; CHE 111 and 112; MAT 114 or 208 (in B.S. core); CSC 105; and membership in BIOME.
- D. C5 DeTEEd

Biology majors are required to take two terminal courses as a requirement for graduation: BIO 410, Research Experience for Educators or BIO 437 Research Experience; and BIO 498, Seminar. The Department may administer the Major Field Examination to senior biology majors in BIO 419 and 437.

Biologists In Observation of the Master's Earth, BIOME, serves students interested in exploring the world of biology



323. Cell Biology (4) S

Prerequisite: BIO 112 and 8 hours of BIO courses applicable to the BIO major.

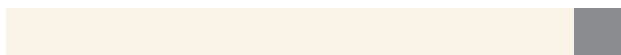
A study of biological systems at the cellular and subcellular levels emphasizing functional aspects such as protein processing and sorting, membrane systems, energy generation in mitochondria and chloroplasts, and cell signaling. Three hours lecture and three hours laboratory/week.

324. Medical Parasitology (4) W—Every Third Year

Prerequisite: BIO 112 and 8 hours of BIO courses applicable to the BIO major.

Parasitology is a course that will apply information learned in a variety of Biology courses to the study of parasites and parasitic diseases. Specifically this course will address the ecology, epidemiology, and biochemistry of parasites and

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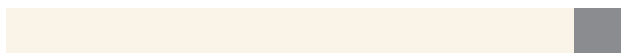


356. Marine Biology (3) W

Prerequisite: BIO 112 and 8 hours of BIO courses applicable to the BIO major.

Corequisite: BIO 357.

Lectures and labs on the nature of life in the ocean and in coastal environments. The first part of the semester is spent at Union University facilities and the second part is spent exploring the coastal environments of South Georgia and the



Environmental Applications for Geographic Information Systems (4)

Theory and application of spatial analysis for applied social and

