

NAME _____

ID _____

Franklin College Requirements**Regents/ University of Georgia Requirements**

Language 1, 2, 3 _____ Biological Science _____
 FA/PHY/REL 1 _____ Physical Science _____
 FA/PHY/REL 2 _____ Literature _____
 Social Science 1 _____ History _____
 Social Science 2 _____ Multicultural _____

US/Georgia Constitution Requirement _____
 US/Georgia History Requirement _____
 Environmental Literacy Requirement _____
 Cultural Diversity _____
 PEDB _____

EMAIL _____

EXPECTED GRADUATION DATE _____

Residency Requirement (45/60) _____

Marine Biology Area of Emphasis in the Biology Major

MAJOR REQUIREMENTS: A baccalaureate degree program must require at least 21 semester hours of upper division courses in the major field and at least 39 semester hours of upper division work overall. Students in the Franklin College must earn a grade of "C" (2.0) or better in major courses.

Required Courses (31-33 hours)

A minimum grade of "C" (2.0) is required

- BIOL 1108 (3) and BIOL 1108L (1) or BIOL 2108H (3) and BIOL 2108L (1)
- BCMB 3100 - (4 hrs) - Intro Biochemistry and Molecular Biology or BCMB 4020 - (3 hrs) - Biochemistry and Molecular Biology II
- GENE 3200 - (4 hrs) - Genetics
- CBIO 3600 - (4 hrs) - Developmental Biology or CBIO 3400 - (4 hrs) - Cell Biology or PBIO 3600 - (4 hrs) - Plant Cell & Developmental Biology
- ECOL 3500/L - (4 hrs) - Ecology or ECOL 3505H/L - (4 hrs) - Ecology Honors or GENE 3000 - (4 hrs) - Evolutionary Biology

Organismal Biology A minimum grade of "C" (2.0) is required.

Organismal _____

Choose one course from the following: (3-4 hours)

BIOL(WILD)3700 - (3 hrs) - Animal Behavior
 CBIO 4600 - (3 hrs) - Biology of Protists
 ECOL 3220 - (3 hrs) - Biology & Conservation of Marine Mammals
 ECOL 4050/L - (4 hrs) - Ichthyology
 ECOL 4070/L - (4 hrs) - Invertebrate Zoology
 ECOL(BIOL)MARS4330/L - (4 hrs) - Tropical Marine Invertebrates
 MARS 3450 - (3 hrs) - Marine Biology

Laboratory A minimum grade of "C" (2.0) is required.

Laboratory _____

Choose one course from the following: (3-5 hours)

BIOL 3110L - (4 hrs) - Basic Skills in the Laboratory
 BIOL 4960 or BIOL 4960H - (4 hrs) - Undergraduate Research
 ECOL(BIOL)MARS4330/L - (4 hrs) - Tropical Marine Invertebrates
 ECOL 4070/L - (4 hrs) - Invertebrate Zoology
 MARS 4500 - (3-5 hrs) - Field Study Oceanography & Marine Methods

Biology Major Electives (minimum of 9 hours) - A minimum grade of "C" (2.0) is required.

Only ONE semester of research can be used in the Biology major; all other research will count as a general elective.

Required:

- MARS 4200 - (3 hrs) - Chemical and Biological Oceanography

Choose two of the following from Category A or one from Category A and one from Category B:

Category A

ECOL 3220 - (4 hrs) - Biology and Conservation of Marine Mammals
 ECOL(BIOL)(MARS) 4330/L - (4 hrs) - Tropical Marine Invertebrates
 FISH(ECOL)(MARS)(WILD) 4300/L - (4 hrs) - Environmental Biology of Fishes
 MARS 3450 - (3 hrs) - Marine Biology
 MARS 3550 - (3 hrs) - Life in Fluids
 MARS 4500 - (5 hrs) - Field Study in Oceanography and Marine Methods
 MARS(MIBO) 4620/L - (3 hrs) - Microbial Ecology
 MARS 4810 - (3 hrs) - Global Biogeochemical Cycles

Category B

BIOL 3110L - (4 hrs) - Basic Skills in the Laboratory
 BIOL(WILD) 3700 - (3 hrs) - Animal Behavior
 BIOL 3710L - (3 hrs) - Animal Behavior Lab
 BIOL 3720L - (3 hrs) - Field Animal Behavior
 BIOL 4960 - (4 hrs) - Undergraduate Research in Biology
 BIOL 4960H - (4 hrs) - Undergraduate Research in Biology (Honors)
 CBIO 4600 - (3 hrs) - Biology of Protists
 ECOL(BIOL) 3500/L - (4 hrs) - Ecology
 ECOL 3505H/L - (4 hrs) - Ecology Honors
 ECOL 4050/L - (4 hrs) - Ichthyology
 ECOL 4070/L - (4 hrs) - Invertebrate Zoology
 GENE 3000 - (4 hrs) - Evolutionary Biology
 PBIO(GENE)(PATH) 4510 - (3 hrs) - Genome Evolution Across the Tree of Life