Marine & Aquatic Biology Track
Catalog Year: 2020-2021

5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM1025 Intro to Chemistry __________

Chemistry Fundamentals I 4
Chemistry Fundamentals II 3
Chemistry Fundamentals Lab __________ 3/5
CHM 2210 or CHM 2205
CHM 2211 or CHM 3120

PHY 2053C or PHY 2048C 4/3+1
PHY 2054C or PHY 2049C 4/3+1

Math Placement Test: MAT1033C, MAC1105C, MAC1114C, MAC 1140
MAC 2311 or MAC 2233 or MAC 2253 Calculus 4
STA 2023 Statistical Methods I 3

5B. Lab requirement - Two labs

At least one of these labs must come from section A - Core.

A. Core:
- PCB 3044L - Ecology lab
- PCB 3063L - Genetics lab
- PCB 4683L - Evolutionary Biology Lab

B. Non-Core: designated with ☑

6. 22 hours of restricted electives are required, with following stipulations:

- Courses must be selected from those listed below.
- Include one course exclusively on animals (marked a) __________ of 10
- At least 10 of the 22 hours must be courses offered by the Department of Biology (designated with an *), __________ of 10
- Independent Study/Directed Research: May include a maximum of 4 hours towards restricted electives. (Completed with Biology Faculty)
- 5000 level courses may be taken by seniors with prior permission of course instructor. You will be charged graduate level tuition.

Required Electives (choose one of the following courses) (3hr)

**Classes that satisfy the Biology requirements cannot duplicate towards this section. Any Required Electives taken in excess of 3hr will count here,**

Restricted Electives (12 hrs)

BSC 4312C ☑ Adv Marine Biol
BSC 4473C ☑ Scientific Diving
OCE 3008* Oceanography
PCB 3355L* Tropical Marine Bio
PCB 3442* Aquatic Ecology
PCB 4310C Wetland Eco & Biogeochem 4
PCB 4315C Marine Ecology of Florida 2
a. PCB 4324* Zoology of Aquatic Mammals 3
a. PCB 4340C Invertebrate Biodiversity 4
a. PCB 4310C Vet Eco and Ecol 4
a. PCB 4405C Sea Turtle Internship 3
a. PCB 4462C Herpetology 3
a. PCB 3454* Ichthyology 3

Additional Biology Electives (7 hours)

a. ANT 3550C Primatology
BCH 4024 Medical Biochemistry 4
BCH 4053 Biochemistry I 3

Name: ________________________________

UCFID: ________________________________

1. State General Education Core
   - Communication Foundation: ENC 110
   - Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MG1107, STA2023
   - Science Foundation: CHM 2045C, BSC 2010C

2. General Education Program (36 Hours)
   [See COSAS for assistance with GEP planning]
   - Communication Foundations
   - ENC 1101 - Composition I
   - ENC 1102 - Composition II
   - SPC 1603C - Fundamentals of Technical Presentations
   - Cultural & Historical Foundations
   - Mathematical Foundations
   - MAC 2311C - Calculus with Analytic Geometry I
   - STA 2023 - Statistical Methods I
   - Social Foundations
   - Science Foundations
   - BSC 2010C - Biology I
   - CHM 2045C - Chemistry Fundamentals I

3. University Requirements
   ❖ 9 hours of summer enrollment (total) in academic career. __________ of 9
   ❖ At least 2.0 needed: UCF GPA. Major GPA
   ❖ 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left (to be satisfied with free electives or minor) __________ of 13

4. Major Requirements
   ❖ A minimum of 2.0 in all UCF courses taken in common program prerequisites, Biology core, and upper division restricted electives.
   ❖ A minimum of a C (2.0) in all Biology offered Core Classes and Required Electives is required for graduation.
   ❖ Exit Exam- to be completed upon completion of Biology core courses
   ❖ Departmental Residency Requirement: __________ of 22

5. Biology core courses (21 hours)
   - BSC 2011C Gen Biology 4
   - BSC 2011C Gen Biology 2 4
   - PCB 3023 Molec Cell Bio 3
   - PCB 3044 Ecology 3
   - PCB 3063 Genetics 3
   - PCB 4683 Evolutionary Biology 4

Note: If all requirements are satisfied on the road map, your major is satisfied. Please consult with COSAS for a final graduation check on all university requirements.

Advisor________________________ Date _________