Marine & Aquatic Biology Track
Catalog Year: Summer 2021 to Present

5A. Cognate Sciences Core (31-33 hours)
Chemistry Placement Test: CHM1025 Intro to Chemistry _2_

CHM 2045C Chemistry Fundamentals I __________4
CHM 2046 Chemistry Fundamentals II __________4
CHM 2046L Chemistry Fundamentals Lab __________1

CHM 2210 CHM 2205 __________3/5
CHM 2211 or CHM 3120 __________3/5
CHM 2211L CHM 3120L __________2/1

PHY 2053C (or +L) or PHY 2048C (or +L) __________4/3 +1
PHY 2045C (or +L) or PHY 2049C (or +L) __________4/3 +1

Math Placement Test: MAT1033C__, MAC1105__, MAC1114__, 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: of 22 hours _______ RE GPA

• Courses must be selected from those listed below.
• Include one course exclusively on animals (marked a), and one exclusively on plants (marked b).
• 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 4hrs 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)
BSC 3512 Principles of Marine Biology __________3
OCE 3009 Oceanography __________3
PCB 3442 Aquatic Ecology __________3

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

Restricted Electives (12hrs)
BSC 4312C* Adv Marine Biol __________4
BSC 4473C* Scientific Diving __________4
OCE 3009 Oceanography __________3
PCB 3355L Tropical Marine Bio __________3
PCB 3442 Aquatic Ecology __________3
PCB 4301C* Wetland Eco & Biogeochem __________4
PCB 4315C Marine Ecology of Florida __________4
a. PAZ 4254* Zook Aquarium Mgt __________3
a. ZOO 4205C* Invertebrate Biodiversity __________3
a. ZOO 4310C* Vet Eco and Eco __________4
a. ZOO 4405C* Sea Turtle Internship __________3
a. ZOO 4462C* Herpetology __________4
a. ZOO 4476C* Ichthyology __________4
a. ZOO 4430C* Marine Environment __________3

Additional Biology Electives: (7 hours)
a. ANT 3550C Primatology __________3

Advisor________________________ Date _______

Name________________________ Date _______

1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, 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
- MAC 2311C - Calculus with Analytic Geometry I
Statistics
- 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
42 hours 3xxx-4xxx level - 35 Biology requires = 7 hours left (to be satisfied with free electives or minor) of 7

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
22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

5. Biology core courses (21 hours)
BSC 2010C Gen Biology __________4
BSC 2011C Biology 2 __________4
PCB 3023 Molec Cell Bio __________3
PCB 3044 Ecology __________3
PCB 3065 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.