SCHOOL OF FOREST, FISHERIES, AND GEOMATICS SCIENCES

For more Information:
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Marine Sciences - Curriculum Plan

All students majoring in Marine Sciences must complete this Curriculum Plan before the start of their second semester taking upper-division, major coursework. **This Plan includes all major coursework and must be approved and signed by your Faculty Mentor and then turned in to the SFFGS Academic Hub (on eLearning) for approval by an Academic Advisor.** If you need help finding a Faculty Mentor, please ask your Academic Advisor.

The Curriculum Plan must be written in ink, or typed with Adobe Signatures and include the following **Groups**:

DOWNLOAD AND SAVE THIS FORM PRIOR TO FILLING OUT. (Free Adobe Acrobat Version can be found here.)

- **Core courses (all 8 must be taken) (Group C)**

Course	Cr	Semester	Course	Cr	Semester
STA2023 *Introduction to Statistics*	3	Summer, Fall, Spring	GLY3083C *Fundamentals of Marine Science*	3	Spring (Junior)
FAS4175 *Biology and Ecology of Algae (online)*	3	Spring (Junior or Senior)	ZOO4205C *Invertebrate Biodiversity* *(*Sp ODD years: on-campus *Sp EVEN years: Bio Semester of Immersion)*	4	Spring* or Summer (J or S)
FNR4660 *Natural Resource Policy and Economics (online)*	3	Fall (Junior or Senior)	FAS4202C *Biology of Fishes*	4	Fall (Junior or Senior)
FNR3410C *Natural Resource Sampling* **or** STA3024 *Introduction to Statistics 2* **or** STA4210 *Regression Analysis* **or** STA4222 *Sample Survey Design*	3 3 3 3	Fall (Junior) **or** Sm,Fa,Sp **or** Fall	FAS4270 *Marine Ecological Processes* **or** ZOO4926 *Marine Ecology* *(*Sp ODD years: on-campus *Sp EVEN years: Bio Semester of Immersion)*	3 4	Fall **or** Spring* (Junior or Senior)

- **Approved Electives (Group A)** – at least 18 credits (from https://ufl.instructure.com/courses/303721/pages/approved-electives-courses-for-marine-sciences) approved by Faculty Mentor approval to provide additional academic preparation
- **Planned Courses (Group P)** – additional upper-division Planned Courses approved by Faculty Mentor, complementary to curricular focus. Upper-division are courses numbered in 3000-4000 level (junior/senior level, example FAS4175)

Core + Approved Electives + Planned Courses must equal at least **60 major credits**
(only up to 9 credits in a major can also be used towards a minor)

Once approved, this Plan is a contract of courses required for the major. Students may make changes to their Curriculum Plan in faculty-approved situations, such as a course has been canceled or a scheduling conflict occurs.

When creating your Curriculum Plan:

1. Based on your Statement of Interests and Goals, select relevant Approved Electives and Planned Courses.
2. Ask your Faculty Mentor to initial and date the bottom of the Approved Electives & Planned Courses page (you will plan for more credits than you need in case your preferred course(s) don't work with your schedule in a given term).
3. Submit your Curriculum Plan to the Academic Hub in Canvas for approval from Academic Advisor.
    - If you change your courses in a given term, recalculate the semester credits, and put your total Core, Approved, and Planned credits in the "Plan Update #1 or #2" boxes to make sure you still take enough major credits.

Student Name (please print) _____ **UFID** _____

Student Statement

Briefly explain your academic interests, your desired area of specialization, and your future goals. Describe how majoring in Marine Sciences will allow you to fulfill these interests and goals:

I understand that all courses in my approved Curriculum Plan must be completed to qualify for graduation. Changes to the Curriculum Plan are allowed in approved situations, such as courses have been canceled or semester scheduling conflicts, and **must be approved** by my Faculty Mentor and Academic Advisor prior to taking any courses that have not been approved on this document.

Student's Signature **Date**

Marine Sciences – Approved & Planned Electives

You must complete at least **18 credits of Approved Electives** from the chart below. Check next to the courses below that you intend to take, as well as some additional options that you may take instead, if necessary, all approved by your Faculty Mentor.

Ecology and Organismal Biology

- ☐ FAS 2024 Sustainable Fisheries (3)
- ☐ FAS 4305C Introduction to Fishery Science (3)
- ☐ FAS 4364 Marine Adaptations: Env Physiology (3)
- ☐ FAS 4105C Field Ecology of Aquatic Organisms (4)
- ☐ FAS 4932 Invasion Ecology of Aquatic Animals (3)
- ☐ FAS 4932 Marine Protected Areas (3)
- ☐ FAS 4014 Aquaculture 1 (3)
- ☐ FAS 4932 Field Marine Ecology (3) - *irregular offerings based on vessel availability*
- ☐ PCB 3063 Genetics (4)
- ☐ PCB 4043C General Ecology (4)
- ☐ PCB 4460 Ichthyology (4)
- ☐ PCB 4674 Evolution (4)
- ☐ WIS 3553C Introduction to Conservation Genetics (4)
- ☐ WIS 4203C Landscape Ecology and Conservation (3)
- ☐ VME 4012 Aquatic Animal Conservation Issues (3)
- ☐ VME 4013 Aquatic Wildlife Health Issues (3)
- ☐ VME 4016 Manatee Health and Conservation (3)
- ☐ ZOO 4403C Marine Biology (4)
- ☐ ZOO 4405 Sea Turtle Biology and Conservation (3)

Other Professional Skills

- ☐ FAS 4933 Seminar (1) - *repeatable (may be taken twice); max 1 credit may count as Approved Elective*
- ☐ GIS 3072C Geographic Information Systems (3)
- ☐ FAS 4911 Supervised Research (0-3)
- ☐ FAS 4915 Honors Thesis Research (0-3)
- ☐ FNR 4941 Internship in Natural Resources (1-4)
- ☐ PEN 2138C Advanced SCUBA Diving (3) - *maximum of 6 credits of SCUBA may count on Curriculum Plan; PEN1136 ineligible*
- ☐ FAS 4932 Scientific Diver (2) - *maximum of 6 credits of SCUBA may count on Curriculum Plan; PEN1136 ineligible*
- ☐ SUR 4345 Marine Geomatics (3)

Physical/Chemical Oceanography

- ☐ CHM 2210 Organic Chemistry I (3) - *many graduate programs require this as a prerequisite to admission*
- ☐ CHM 2211 Organic Chemistry II (3)
- ☐ CHM 2211L Organic Chemistry Lab (2)
- ☐ FAS 4304C Spatial Sciences for Marine Environmental Characterization (3)
- ☐ GLY 3074 Oceans and Global Climate Change (3) - *GE-P*
- ☐ GLY 4734 Coastal Morphology and Processes (3)
- ☐ GLY 4726 Geochemical Oceanography (3)
- ☐ GLY 6075 Global Climate Change, Past, Present, Future (3) - *graduate-level course; instructor permission required*
- ☐ OCE 3016 Introduction to Coastal and Oceanographic Engineering

Economics and Human Dimensions

- ☐ AEB 3450 Introduction to Natural Resource and Environmental Economics (3)
- ☐ FNR 3602 Society and Natural Resources (3) - *GE-S*
- ☐ GEO 4300 Environmental Biogeography (3)
- ☐ EVR 3004 Eco-Civic Engagement (3)
- ☐ WIS 4523 Human Dimensions of Natural Resource Conservation (3)

Quantitative Ecological Skills

- ☐ FAS 4932 Applied Fisheries Statistics (4)
- ☐ FAS 6337C Fish Population Dynamics (4) - *graduate-level course; instructor permission required*
- ☐ FNR 3410C Natural Resource Sampling (3)
- ☐ STA 3024 Introduction to Statistics 2 (3)
- ☐ STA 4210 Regression Analysis (3)
- ☐ STA 4211 Design of Experiments (3)
- ☐ STA 4222 Sample Survey Design (3)
- ☐ WIS 4501 Introduction to Wildlife Population Ecology (3)
- ☐ WIS 4601C Quantitative Wildlife Ecology (3)

Please list **8 Planned Courses** that you intend to complete, which will include 2 or more courses that may serve as alternatives options, if some of your preferred 14-16 credits of Planned Courses are unavailable.

1.	5.
2.	6.
3.	7.
4.	8.

Faculty Mentor Signature/ Print Name Date

“Group” is **C** = Core; **A** = Approved Elective; or **P** = Planned Course

Semester:			**Updates (Date)**		**Semester:**			**Updates (Date)**	
Group	**Course Number & Title**	Credits	**Deleted**	**Added**	Group	**Course Number & Title**	Credits	**Deleted**	**Added**
	Total Credits for Semester:					**Total Credits for Semester:**			

Semester:			**Updates (Date)**		**Semester:**			**Updates (Date)**	
Group	**Course Number & Title**	Credits	**Deleted**	**Added**	Group	**Course Number & Title**	Credits	**Deleted**	**Added**
	Total Credits for Semester:					**Total Credits for Semester:**			

Semester:			**Updates (Date)**		**Semester:**			**Updates (Date)**	
Group	**Course Number & Title**	Credits	**Deleted**	**Added**	Group	**Course Number & Title**	Credits	**Deleted**	**Added**
	Total Credits for Semester:					**Total Credits for Semester:**			

Semester:			**Updates (Date)**		**Semester:**			**Updates (Date)**	
Group	**Course Number & Title**	Credits	**Deleted**	**Added**	Group	**Course Number & Title**	Credits	**Deleted**	**Added**
	Total Credits for Semester:					**Total Credits for Semester:**			

“Group” is C = Core; A = Approved Elective; or P = Planned Course

Core, Approved Electives, and Planned Courses must equal at least 60 major credits*

*If you have a Minor, only up to 9 credits may double count for your MAS major and minor; at least 6 unique credits per minor (please use “P/M or C/M” to show “double counting” minor credits, and “M” for minor credits not counting towards the MAS major).

Total Credits for Major

Core Courses	
Approved Electives	
Planned Courses	
***Total Major Credits**	

Plan Update #1 Date:

Core Courses	
Approved Electives	
Planned Courses	
***Total Major Credits**	
Faculty Approval	
Date	

Plan Update #2 Date:

Core Courses	
Approved Electives	
Planned Courses	
***Total Major Credits**	
Faculty Approval	
Date	

Academic Advisor Date