

# Marine Biology Major with Chemistry Minor

## Major Core Requirements

BI 111 (4) Principles of Biology	_____
BI 112 (4) Principles of Biology	_____
BI 200W (1) Biological Literature	_____
BI 305 (4) Cell Biology	_____
BI 306 (4) Genetics	_____
BI 307 (4) Microbiology	_____
BI 498 (1) Senior Assessment Seminar	_____

## Organismal Biology (Protistans, Fungi, Plants):

BI 429 (4) Marine Botany (at DISL)	_____
------------------------------------	-------

## Organismal Biology (Protistans, Animals):

BI 403 (4) Marine Invertebrate Zoology (at DISL)	_____
BI 408 (4) Marine Vertebrate Zoology (at DISL)	_____

## Population Biology

BI 312 (3) Evolution	_____
----------------------	-------

**One** course selected from the following:

BI 411 (4) Coastal Wetlands (at DISL)	_____
BI 412 (4) Marine Ecology (at DISL)	_____
BI 413 (4) Marine Behavioral Ecology (at DISL)	_____

## Chemistry Minor (required)

CH 111 (3), 111L (1) General Chemistry	_____
CH 112 (3), 112L (1) General Chemistry	_____

**Chemistry Electives (minimum of 12 hrs)** selected from the following:

CH 311 (4), 311L (1) Organic Chemistry I	_____
CH 312 (4), 312L (1) Organic Chemistry II	_____
CH 321 (3), 321LW (2) Quantitative Analysis	_____
CH 322 (3), 322LW (2) Instrumental Analysis	_____
CH 341 (3), 341L (1) Applied Physical Chemistry	_____
CH 441 (3) Biochemistry	_____

DISL = Dauphin Island Sea Laboratory

## Required Supporting Courses

CIS 125 (3) Business Software Applications <b>or</b> CS 135 (3) Computer Skills for Problem Solving	_____
--	-------

MA 345 (3) Applied Statistics I <b>or</b> BI 333 (3) Biostatistics	_____
---	-------

Select one or more from the following, if required :

MA 112 (3) College Algebra	_____
MA 113 (3) College Trigonometry	_____
MA 115 (4) Pre-calculus Algebra & Trigonometry	_____

Select the following sequence or course:

MA 121 (3) Calculus for Business and Life Sciences I & MA 122 (3) Calculus for Business and Life Sciences II	_____
MA 125 (4) Calculus I	_____

Select **one** of the following sequences:

PH 241(4) General Physics I & PH 242 (4) General Physics II	_____
PH 251(5) Technical Physics I & PH 252 (5) Technical Physics II	_____

## Additional Graduation Requirements

General Education components completed ?	_____
Overall UNA GPA minimum of 2.0 ?	_____
Major and minor course GPA minimum of 2.0 ?	_____
Minimum 120 hours for graduation ?	_____
Minimum of 30 hours from UNA ?	_____
Minimum of 36 hours at 300-400 level ?	_____
Minimum of 60 hours at four-year institution ?	_____
Applied for Graduation ?	_____