# Unofficial Degree Planning Worksheet Catalog Year: 2023 – 2024

# Major: BS in Marine Science - Biology

This worksheet is designed to help you plan and track your progress toward your degree. It lists all graduation requirements. Course descriptions are available in the current catalog. More detailed descriptions of the program can be found in the [2023 – 2024 catalog](https://ut.smartcatalogiq.com/current/catalog/).

## University Graduation Requirements

Students must earn 124 hours to be eligible for graduation.

Students must maintain an overall minimum GPA of 2.0 to be eligible for graduation.

Students must maintain a major minimum GPA of 2.0 to be eligible for graduation.

Students must complete 31 credit hours in residency at UT to be eligible for graduation.

Students must complete 15 credit hours in residency at UT in their major coursework.

## Spartan Studies Requirements

### First-Year

| **First-year Requirement** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| UTAMPA 101 (1cr)/102 (1cr) – First-Year seminar two semester sequence **or** UTAMPA 103 (2cr) – Transfer student seminar  **or** UTAMPA 104 (2cr) Veteran student seminar  – must be taken in residency |  |  |
| AWR 101 (4cr) - Reading Locally & Globally  **or** AWR 110 (5cr) – Academic Writing for Multilingual Students |  |  |
| Math (4cr) Requirement (choose one):  MAT 155, MAT 160, MAT 170, MAT 201, MAT 225, MAT 260, MAT 261 | MAT 260 |  |

### Core

| **Core Requirement** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| AWR 201 (4cr) – Writing and Research: The Local and the Global  *Pre-requisite (one of the following): AWR 101, AWR 110, or equivalent* |  |  |
| [Core Humanities](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/SpartanStudies_CoreHumanitiesLink.pdf) (4cr) – must be taken in residency, AWR 201 is a prerequisite or must be taken concurrently |  |  |
| [Core Social Science](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/SpartanStudies_CoreSocialSciencesLink.pdf) (4cr) – must be taken in residency, AWR 201 is a prerequisite or must be taken concurrently |  |  |
| UTAMPA 200 (1cr) Digital Literacy: Coding  **or** one of the following: CSC 101, ITM 251, MAT 285, PHY 180 |  |  |
| UTAMPA 201 (0cr) Career Readiness |  |  |
| Spartan Studies Culminating Experience (4cr)  – must be taken in residency  *Pre-requisite: Spartan Studies First-year and Core Requirements(UTAMPA 101/02 or UTAMPA 103 or UTAMPA 104, AWR 101, Math, AWR 201, UTAMPA 200, UTAMPA 201, Core Humanities, Core Social Science); individual courses may have additional pre-requisites* |  |  |

### Distribution Requirements

Note that **one** of the distribution requirements may also be used to meet requirements in the major if there is overlap.

| **Distribution Requirement** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| [Social or Behavioral Science](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/SpartanStudies_SocialScienceDistributionLink.pdf) (4cr) |  |  |
| [Visual and Performing Arts](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/SpartanStudies_VisualandPerformingArtsLink.pdf) (3cr) |  |  |
| [Text-Based Humanities](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/SpartanStudies_Text-BasedHumanitiesDistributionLink.pdf) (4cr) |  |  |
| [Natural Science](https://www.ut.edu/uploadedFiles/Academics/Provost/SpartanStudies/Spartanstudies_NaturalScienceDistributionLink.pdf) (4cr) | CHE 152/3L |  |

## Marine Science – Biology Requirements (74-80 Credits)

### Biology Lower-Core Requirements

| **Biology Lower Core Requirements (16-20 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| CHE 152 (3cr) – General Chemistry I (1) (Can fulfill Spartan Studies Distribution Requirement)  *Pre-requisite: MAT 160*  *Pre/Co-requisite: CHE 153L (with a grade of “C” or better)* |  |  |
| CHE 153L (1cr) – General Chemistry I (1) Laboratory (Can fulfill Spartan Studies Distribution Requirement)  *Pre/Co-requisite: CHE 152 (with a grade of “C” or better)* |  |  |
| CHE 154 (3cr) – General Chemistry II (2)  *Pre-requisite: CHE 152 and CHE 153L (both with a grade of “C” or better)*  *Pre/Co-requisite: CHE 155L (with a grade of “C” or better) and MAT 170* |  |  |
| CHE 155L (1cr) – General Chemistry II (2) Laboratory  *Pre-requisite: CHE 152 and CHE 153L (both with a grade of “C” or better)*  *Pre/Co-requisite: CHE 154 (with a grade of “C” or better)* |  |  |
| BIO 198 (3cr) – General Biology I (1)  *Pre/Co-requisite: CHE 152 and CHE 153L*  *Co-requisite: BIO 198L* |  |  |
| BIO 198L (1cr) – General Biology I (1) Laboratory  *Pre/Co-requisite: CHE 152 and CHE 153L*  *Co-requisite: BIO 198* |  |  |
| BIO 199 (3cr) – General Biology II (2)  *Pre/Co-requisite: BIO 198 and BIO 198L (both with a grade of “C” or better)*  *Co-requisite: BIO 199L* |  |  |
| BIO 199L (1cr) – General Biology II (2) Laboratory  *Pre/Co-requisite: BIO 198 and BIO 198L (both with a grade of “C” or better)*  *Co-requisite: BIO 199L* |  |  |
| MAT 170 (4cr) – Precalculus (May be waived if student is placed directly into MAT 260 Calculus I (1))  *Pre-requisite: MAT 160 or equivalent* |  |  |

### Biology Upper Core Requirements

| **Biology Upper Core Requirements (9 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| BIO 200 (4cr) – Genetics  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 200L* |  |  |
| BIO 200L (0cr) – Genetics Laboratory  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 200* |  |  |
| MAT 260 (4cr) – Calculus I (1) (Can fulfill Spartan Studies Mathematics Requirement)  *Pre-requisite: MAT 170 with a grade of “C” or higher, or equivalent* |  |  |
| BIO 410 (1cr) – Senior Seminar  *Pre-requisite: Senior standing in biology or marine science*  **or** BIO 420 (1cr) – Recent Discoveries in Biology  *Pre-requisite: Students must have completed the biology lower-core and either General Genetics or Molecular Genetics and have a minimum GPA of 3.0 and have senior status or permission of instructor.* |  |  |
| BIO 411 (0cr) – Biology Outcomes Capstone  *Pre-requisite: Senior standing in all majors offered through the Department of Biology. Must be taken during graduation semester.* |  |  |

### Collateral Requirements

| **Collateral Requirements (16 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| CHE 232 (3cr) – Organic Chemistry I (1)  *Pre-requisite: CHE 154 and CHE 155L (both with a grade of “C” or better)*  *Pre/Co-requisite: CHE 233L (with a grade of “C” or better)* |  |  |
| CHE 233L (1cr) – Organic Chemistry I (1) Laboratory  *Pre/Co-requisite: CHE 232 (with a grade of “C” or better)* |  |  |
| CHE 234 (3cr) – Organic Chemistry II (2)  *Pre-requisite: CHE 232 and CHE 233L (both with a grade of “C” or better)*  *Pre/Co-requisite: CHE 235L (with a grade of “C” or better)* |  |  |
| CHE 235L (1cr) – Organic Chemistry II (2) Laboratory  *Pre/Co-requisite: CHE 234 (with a grade of “C” or better)* |  |  |
| PHY 200 (4cr) – General Physics I (1)  *Pre-requisite: MAT 170*  *Co-requisite: PHY 200L*  **or** PHY 205 (4cr) – General Physics with Calculus I (1)  *Pre-requisite: MAT 170 or equivalent*  *Co-requisite: MAT 260 and PHY 205L* |  |  |
| PHY 201 (4cr) – General Physics II (2)  *Pre-requisite: PHY 200*  *Co-requisite: PHY 201L*  **or** PHY 206 (4cr) – General Physics with Calculus II (2)  *Pre-requisite: MAT 260 and PHY 205 (with a grade of “C” or better)*  *Co-requisite: PHY 206L* |  |  |

### Ecology Requirement

| **Ecology Requirements (4 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| MAR 222 (4cr) – Marine Ecology  *Pre-requisite: Biology Lower Core and MAR 200*  *Co-requisite: MAR 222L*  **or** BIO 212 (4cr) – Ecology  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 212L*  **or** MAR 310 (4cr) – Biological Oceanography  *Pre-requisite: Biology Lower Core and MAR 200*  *Co-requisite: MAR 310L* |  |  |

### Cellular/Physiological Requirement

| **Cellular/Physiological Requirements (3-4 Credits)**  Choose a minimum of 3 credits from [Category I Options](https://ut.smartcatalogiq.com/en/current/catalog/college-of-natural-and-health-sciences/department-of-biology/departmental-degree-requirements/).  *Pre-requisites will depend on the course chosen.* | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| BIO Category I (1) (4cr) |  |  |

### Organismal Invertebrate Requirement

| **Organismal Invertebrate Requirements (4 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| BIO 224 (4cr) – Invertebrate Zoology  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 224L*  **or** MAR 225 (4cr) – Marine Invertebrate Zoology  *Pre-requisite: Biology Lower Core and MAR 200*  *Co-requisite: MAR 226L* |  |  |

### Organismal Vertebrate Requirement

| **Organismal Vertebrate Requirements (4 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| BIO 225 (4cr) – Vertebrate Zoology  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 225L*  **or** BIO 250 (4cr) – Comparative Vertebrate Anatomy  *Pre-requisite: Biology Lower Core*  *Co-requisite: BIO 250L* |  |  |

### Organismal Botany Requirement

| **Organismal Botany Requirements (4 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| MAR 327 (4cr) – Marine Botany  *Pre-requisite: Biology Lower Core and MAR 200*  *Co-requisite: MAR 317L* |  |  |

### Oceanography/Marine Science Requirements

| **Oceanography/Marine Science Requirements (6-7 Credits)** | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| MAR 200 (3cr) – Introduction to Marine Science |  |  |
| MAR 201 (4cr) – Marine Geology  *Pre-requisite: MAR 200*  *Co-requisite: MAR 201L*  **or** MAR 301 (4cr) – Physical Oceanography  *Pre/Co-requisite: PHY 201 or PHY 206*  **or** CHE 315 (3cr) – Chemical Oceanography  *Pre-requisite: BIO 198, BIO 198L, CHE 234, CHE 235L, and MAT 260 (each with a grade of “C” or better)* |  |  |

### Major Elective Requirements

| **Major Elective Requirements (8 Credits)**  Any upper division biology courses consisting of those courses above BIO 199, ENS courses above 200 or MAR courses above 200 may be used to fulfill the remaining elective requirements excluding BIO 410, BIO 440, BIO 445, BIO 450, BIO 480, BIO 490 and BIO 495. *Pre-requisites will depend on the course chosen.* | **Course Taken** | **Semester Taken** |
| --- | --- | --- |
| Major Elective (4cr) |  |  |
| Major Elective (4cr) |  |  |