

Biological Sciences BS Marine Biology

Suggested Course Outline

Freshman

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|---------------------------|------------|-----------|----------------------------|------------|-----------|
| Freshman Seminar | 71-101 | 1 | General Chemistry II & Lab | 24-116/117 | 4 |
| General Chemistry & Lab I | 24-114/115 | 4 | General Botany & Lab | 04-112/113 | 4 |
| Composition | 10-111 | 3 | Composition | 10-112 | 3 |
| General Zoology & Lab* | 04-114/115 | 4 | Fundamentals of Oral Comm | 29-102 | 3 |
| <u>Total</u> | | <u>12</u> | <u>Total</u> | | <u>14</u> |

Sophomore

| | | | | | |
|---------------------------|------------|-----------|---------------------------|------------|-----------|
| General Physics | 25-110/111 | 4 | Invertebrate Zoology | 04-312 | 4 |
| Organic Chemistry I & Lab | 24-342/343 | 5 | College Algebra | 17-118 | 3 |
| General Statistics | 17-114 | 3 | General Physics II & Lab | 25-112/113 | 4 |
| Electives | | 3 | Intro American Government | 34-102 | 3 |
| <u>Total</u> | | <u>15</u> | <u>Total</u> | | <u>14</u> |

Summer (First & Second Term)

| | | | | | |
|------------------|--------|----------|------------------|--------|----------|
| Oceanography 1** | 04-351 | 5 | Oceanography 2** | 04-352 | 5 |
| <u>Total</u> | | <u>5</u> | <u>Total</u> | | <u>5</u> |

Junior

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|------------------------------|--------|-----------|-------------------------|--------|-----------|
| Basic Ecology | 04-376 | 4 | Genetics | 04-350 | 3 |
| Cell Biology | 04-310 | 4 | Humanities Requirement | | 3 |
| America- A Historical Survey | 33-155 | 3 | Fine Arts Requirement | | 3 |
| Intro to Literature | 10-220 | 3 | General Psychology | | 3 |
| <u>Total</u> | | <u>14</u> | <u>Multicultural IR</u> | | <u>3</u> |
| | | | <u>Total</u> | | <u>15</u> |

Junior Summer

Additional hours at a marine lab are strongly recommended, which may replace "04-3xx" listings in the senior year.

Senior

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|-----------------------------|--------|-----------|-----------------------------|--------|-----------|
| Geographic Info Systems | 32-365 | 3 | Biological Science Seminar | 04-419 | 1 |
| Biology Practicum | 04383 | 1 | Biology electives above 300 | 04-3xx | 4 |
| Biology electives above 300 | 04-3xx | 3 | Elective | | 6 |
| Intro to Geography | 32-101 | 3 | Information Tech IR | | 3 |
| Elective | | 6 | <u>Total</u> | | <u>14</u> |
| <u>Total</u> | | <u>16</u> | | | |

* Prerequisite is Bio 102/103 General Biology & Lab or two solid years of high school biology. Students with two years of high school biology may still elect to take General Biology & Lab.

** Taught at the Gulf Coast Research Lab (or equivalent courses at another marine lab).

Students planning on graduate study are strongly encouraged to take 17-120 Calculus, 04-140 Microbiology, and either 27-114/115 Earth Science or (less preferably) 27-110/111 Geology.

(Please note this outline does not supersede the requirements listed in the Northwest Undergraduate Student Catalog nor does it constitute a contractual arrangement, rather it is for information only. It is the student's responsibility to be aware of and to meet all University and Department requirements as listed in the catalog.

Fall 2010