

MARINE & ENVIRONMENTAL SCIENCE UNDERGRADUATE CURRICULUM

FRESHMAN YEAR

FALL

| | | |
|---------|-------------------------|-----------|
| MES 105 | Environ Sci & Sustain | 3 |
| MES 101 | First Year Seminar | 1 |
| BIO 105 | Intro to Biology I | 3 |
| BIO 105 | Intro to Biology I Lab | 1 |
| MAT 151 | Calculus I | 4 |
| ENG 101 | Written Communication I | 3 |
| UNV101 | Individual and Life | 1 |
| | | 16 |

SPRING

| | | |
|---------|------------------------------------|-----------|
| MES 102 | Intro to Earth & Ocean Systems | 3 |
| MES 102 | Intro to Earth & Ocean Systems Lab | 1 |
| BIO 106 | Intro to Biology II | 3 |
| BIO 106 | Intro to Biology II Lab | 1 |
| MAT 152 | Calculus II | 4 |
| ENG 102 | Written Communication II | 3 |
| PE | Physical Education | 1 |
| | | 16 |

SOPHOMORE YEAR

FALL

| | | |
|---------|---------------------------------------|-----------|
| CHE 201 | General Chemistry I | 3 |
| CHE 201 | General Chemistry I Lab | 1 |
| MES 205 | Field & Lab Tech in Marine & Envi Sci | 3 |
| MES 210 | Eco Stats I | 3 |
| PHY 203 | Physics I w/Calculus | 3 |
| PHY 215 | Intro Physics I Lab | 1 |
| PE | Physical Education | 1 |
| | | 15 |

SPRING

| | | |
|---------|--------------------------|-----------|
| CHE 202 | General Chemistry II | 3 |
| CHE 202 | General Chemistry II Lab | 1 |
| MES 220 | Eco Stats II | 3 |
| HUM | Humanities Elective | 3 |
| COM 103 | Oral Communication | 3 |
| PHY 204 | Physics II w/calculus | 3 |
| PHY 216 | Intro Physics II Lab | 1 |
| | | 17 |

JUNIOR YEAR

FALL

| | | |
|---------|-----------------------------|-----------|
| CHE 301 | Gen Organic Chemistry I | 3 |
| CHE 301 | Gen Organic Chemistry I Lab | 1 |
| MES 452 | Marine Ecology | 4 |
| HUM 201 | Seminar in Humanities | 3 |
| HIS 106 | World Civilizations II | 3 |
| SOC | Social Science Elective | 3 |
| | | 17 |

SPRING

| | | |
|---------|------------------------------|-----------|
| CHE 302 | Gen Organic Chemistry II | 3 |
| CHE 302 | Gen Organic Chemistry II Lab | 1 |
| MES 420 | Fish and Fisheries | 3 |
| MES 304 | Thesis I | 1 |
| MES 320 | Climate Justice | 3 |
| SOC | Social Science Elective | 3 |
| | | 14 |

SENIOR YEAR

FALL

| | | |
|---------|---------------------------------|-----------|
| MES 404 | Thesis II | 3 |
| MES 525 | Chesapeake Bay Watershed Bio. | 4 |
| | SCI ELECTIVE* See Required List | 3 |
| MES 510 | Environmental Toxicology | 3 |
| | | 13 |

SPRING

| | | |
|---------|---------------------------------|-----------|
| MES 405 | Thesis III | 3 |
| MES 410 | Coastal and Oceanic Processes | 3 |
| | SCI ELECTIVE* See Required List | 3 |
| MES 535 | Ocean & Coastal Policy | 3 |
| | | 12 |

TOTAL CREDITS 120 (includes 6 credits of science electives)

Elective courses must be 200 level or higher, except for APS, EGR, CSC courses.

If MAT 117/118 must be taken, students should consider taking those courses at a Community College prior to attending Hampton University.