**Core Curriculum**

**Fundamentals (6 or 7 credits)**
Choose 3 Courses from List:
- MSCI 501A (2) – Physical Oceanography
- MSCI 501B (2) – Chemical Oceanography
- MSCI 501C (2) – Marine Geology
- MSCI 501D (2) – Biological Oceanography
- MSCI 501E (2) – Env Chem/Tox/Pathobiology
- MSCI 501F (2) – Marine Fisheries Science

**MSCI 521 (3)**
– Advanced Marine Geology (in lieu of MSCI 501C, not both)

**Interdisciplinary (3 credits)**
- MSCI 503 (2) – Interdisciplinary Research in Estuarine & Coastal Systems
- MSCI 507 (1) – Responsible Conduct of Research

**Quantitative (3 credits)**
Choose 1 Course from List:
- MSCI 504 (3) – Stats Methods & Data Analysis
- MSCI 554 (3) – Principles of Numerical Computing

**Seminar (2 credits)**
Choose from List:
Note: Seminar courses may be repeated.
- MSCI 515A (1) – Marine Sciences Seminar
- MSCI 515B (1) – Aquatic Health Sciences Seminar
- MSCI 515C (1) – Fisheries Science Seminar

**General Electives (1-2 credits)**
Based on your course plan, up to two credit hours of electives may be required.
(Any SMS Courses ≥ MSCI 500)

**Advanced Requirements**

**Advanced Specialty (3 credits)**
- Biological Sciences or Aquatic Health Sciences:
  Any dept course ≥ MSCI 550 with 3 or more credit hours
- Fisheries Science:
  Choose (1) Course from List:
  - MSCI 583 (3) – Bioinformatics
  - MSCI 667 (3) – Exp. & Quantitative Ecology
  - MSCI 669 (3) – Linear & Gen. Models in Ecology
- Physical Sciences:
  Any SMS course ≥ MSCI 550 in area of specialty with 3 or more credit hours

**Advanced Elective (3 credits)**
Any SMS course ≥ MSCI 550 in area of specialty

**Capstone Course (6 credits)**
- MSCI 598 (2-6) - Capstone

**Internship Course (4 credits)**
- MSCI 597 (4) - Internship