# Master of Arts in Marine Science Program Requirements

## Core Curriculum

### Fundamentals (6 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

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

### Quantitative (3 or 4 credits)
Choose 1 Course from List:
- MSCI 504 (4) – Statistical Methods & Data Analysis
- MSCI 554 (3) – Principles of Numerical Computing

### Seminar (2 credits)
Choose from List:
- MSCI 515A (1) – Biological Sciences
- MSCI 515B (1) – Aquatic Health Sciences
- MSCI 515C (1) – Fisheries Science
- MSCI 515D (1) – Physical Sciences

## 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
  - MSCI 670 (3) – Stock Assessment Methods
  - MSCI 671 (3) – Fisheries Population Dynamics
- 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 (6) - Capstone

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