

MASTER OF ARTS IN MARINE SCIENCE

PROGRAM REQUIREMENTS

(32 CREDIT HOURS)

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
- 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 (2-6) - Capstone

Internship Course

(4 credits)

MSCI 597 (4) - Internship