Master's Degree Programs in: Marine Environmental Sciences, Marine Biology, Coastal Zone Management 1997

Nova Southeastern University

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Master’s Degree (M.S.) Programs in:

- Marine Environmental Sciences
- Marine Biology
- Coastal Zone Management
Nova Southeastern University
M.S. in
• Marine Environmental Sciences
• Marine Biology
• Coastal Zone Management

DESIGNED FOR:
• Bioscientists and geoscientists
• Marine and coastal scientists and technicians
• Environmental managers
• Planners
• Secondary education teachers

PROGRAM BASICS:
• Evening three-credit courses
• 12-week terms
• Four terms/year
• Two courses per specialty each term
• Thesis or Capstone Review (nonthesis) options

“SPECIAL STUDENT” STATUS AVAILABLE
• Courses can be taken for credit or audit, without admission to degree program.
• Upon student's acceptance, credits are fully applicable to degree program or for transfer elsewhere.

DEGREE REQUIREMENTS:
• Thesis option: 39 credits minimum (30 course credits, minimum of nine thesis credits)
• Capstone Review option: 42 credits minimum (39 course credits, three-credit paper)
• Joint CZM-Marine Biology/Marine Environmental Sciences option (48-54 minimum credits, thesis and capstone options)
• A full-time student taking two, three-credit courses per term can finish course work in 21 months. Thesis research or the capstone option paper can begin concurrently with later stage course work.

1997/1998 COSTS:
• Tuition: $373/credit hour
• One-time application fee: $50
• Registration fee: $25/term
COURSES OFFERED (3 CREDITS EACH):

CORE (Required for all M.S. programs: CZM, MB, MES)
- Marine Chemistry
- Concepts in Physical Oceanography
- Environmental and Marine Geology (slightly modified)
- Marine Ecosystems
- Biostatistics

Marine Biology specialty courses include:
- Marine Ichthyology
- Methods in Plankton Ecology
- Marine Invertebrates
- Marine Microbiology
- Marine Phytoplankton
- Functional Morphology and Physiology of Fish
- Molecular Marine Biology
- Phytoplankton Ecology
- Dynamic Biological Oceanography
- Marine Biodiversity (also MES)
- Fish Ecology (also MES)
- Florida Coral Reefs (also MES)
- Coral Reef Ecology (also MES)
- Biological Effects and Risks of Chemicals in Aquatic Environment (also CZM/MES)
- Aquaculture (also CZM/MES)
- Marine Botany (also CZM/MES)

CZM Specialty Courses:
- Principles of CZM
- Law and the CZ
- Coastal Engineering and Protection
- Ports and Harbors

Marine Environmental Sciences Specialty Courses:
- Principles and Overview of Marine Environmental Science
- Marine Environmental Law
- Global Environmental Change
- Climatology
- The Marine Environment and Economics

CZM and/or MES Specialty Courses:
- Wetlands Ecology
- Dry Coastal Ecosystems
- Fundamentals of Aquatic Ecotoxicology
- Biological Effects and Risks of Chemicals in Aquatic Environment
- Fish and Wildlife Management
- Oil Pollution Effects
- Marine Mammal Management
- 5000 Days (via Distance)
- Beyond 5000 Days (via Distance)
- Marine Environmental Policy
- Marine Environmental Regulation (emphasizes Florida)
- Marine and Coastal Water Resources Impacts and Management
- Marine Ecosystem and Everglades Restoration
- Marine Environmental Impact and Health Assessment
- GIS & Environmental Remote Sensing
- Techniques in Marine Environmental Monitoring and Assessment
STUDENT HOUSING AVAILABLE:
- At Nova Southeastern’s Main Campus (Fort Lauderdale, Florida)
- In local area

FINANCIAL AID AVAILABLE:
- Student loans
- Limited workstudy
- Limited scholarships
- Limited teaching assistantships

APPLICATION/ADMISSION PROCEDURES:
Requirements:
- Baccalaureate degree (B.A./B.S.) from a regionally accredited institution
- Academic record indicating ability to pursue advanced study and research (for at least provisional acceptance, GPA in major should be at least 2.75; GREs should be at least 40 percent in all three tests)
- Applicants in marine biology should have majored in one of the natural sciences or science education
- Applicants in coastal zone management should have a solid background in one of the natural sciences or science education

Master of science group program consists
APPLICATION MATERIALS:

- Application form and application fee
- Three letters of recommendation
- Academic records (official transcripts from all postsecondary institutions attended)
- Graduate Record Examination scores (if available)
- Statement of career goals
- For foreign students: TOEFL of 550 or equivalent test results; financial statement (for I-20)

SEND ALL APPLICATION MATERIALS DIRECTLY TO:

Dr. Richard Dodge/Dr. Curtis Burney/Ms. Helene Taylor
Institute of Marine and Coastal Studies
Master’s Program
Nova Southeastern University
Oceanographic Center
8000 North Ocean Drive
Dania, Florida 33004-3078

If further information is desired, please write to the above address or call (954) 920-1909 or toll free 800-396-2326.
Fax (954) 921-7764
Internet: dodge@ocean.nova.edu
burney@ocean.nova.edu
Home Page: http://www.nova.edu/ocean/
ADJUNCT AND AFFILIATE TEACHING FACULTY

Dr. James Bohnsack, NOAA-National Marine Fisheries Service, Miami

Dr. M. Elizabeth Clarke, Fish Hatchery Director, University of Miami, Miami

Dr. Alan Craig, Professor of Geography, Florida Atlantic University, Boca Raton

Dr. Nancy J. Gassman, Water Resources Manager, Broward County Department of Natural Resource Protection

Dr. Steven C. Hess, Environmental Resource Management-South, Inc., Miami

Dr. Gary Hitchcock, Associate Professor, University of Miami, RSMAS

Stephen J. King, Esq., Practicing Attorney, Fort Lauderdale

Stacy Myers, M.S., South Florida Water Management District, Lake Worth

Dr. Donald McCorquodale, Spectrum Analytical Labs, Fort Lauderdale

Steven Somerville, M.P.A., Broward County Environmental Quality Control Board, Erosion Prevention District, Fort Lauderdale

Dr. William Venezia, U.S. Naval Surface Warfare Center, Hollywood/Fort Lauderdale

Dr. Keith Ronald, Fellow, Professor, University of Guelph, Canada

Dr. Gary M. Rand, Aquatic Toxicology, Florida International University

Alan Sosnow, M.S., Environmental Coordinator, Port Everglades Authority

NOTICE OF NONDISCRIMINATION

Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award bachelor’s, master’s, educational specialist, and doctoral degrees.
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<tr>
<th>Name</th>
<th>Title/Position/Additional Information</th>
<th>Research Area</th>
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<tr>
<td>Dr. Bart J. Baca</td>
<td>Director</td>
<td>Aquaculture Programs</td>
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<td>Dr. Patricia Blackwelder</td>
<td>Associate Professor</td>
<td>Geology/Biology</td>
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<tr>
<td>Dr. Curtis Burney</td>
<td>Associate Professor</td>
<td>Chemistry/Biology</td>
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<td>M.S., Program Associate Director</td>
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<td>Dr. Richard Dodge</td>
<td>Professor Associate Dean</td>
<td>Geology/Biology</td>
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<td>Administrative Director</td>
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<td>M.S., Program Director</td>
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<td>Dr. Joshua Feingold</td>
<td>Assistant Professor</td>
<td>Coral Reef Ecology</td>
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<td>Dr. Barry Klinger</td>
<td>Assistant Professor</td>
<td>Physical Oceanography</td>
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<td>Dr. Julian P. McCreary, Jr.</td>
<td>Professor Dean</td>
<td>Physical Oceanography</td>
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<td>Dr. Charles Messing</td>
<td>Associate Professor</td>
<td>Invertebrate Marine Biology</td>
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<td>Dr. Uma Narayanan</td>
<td>Assistant Professor</td>
<td>Chemistry</td>
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<tr>
<td>Dr. Robert Pomeroy</td>
<td>Assistant Professor</td>
<td>Chemistry</td>
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<tr>
<td>Dr. Russel Snyder</td>
<td>Professor</td>
<td>Physical Oceanography</td>
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<tr>
<td>Dr. Lyn Podseth</td>
<td>Visiting Assistant Professor</td>
<td>Biochemistry/Cell Biology</td>
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<td>Dr. Alexander Soloviev</td>
<td>Associate Professor</td>
<td>Physical Oceanography</td>
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<td>Dr. Richard Spieler</td>
<td>Professor</td>
<td>Biological Oceanography/Ichthyology</td>
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<td>Dr. Mahmood Shivji</td>
<td>Assistant Professor</td>
<td>Molecular Biology</td>
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<td>Dr. James D. Thomas</td>
<td>Associate Professor</td>
<td>Marine Biodiversity</td>
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<td>Marine Invertebrates Systematics</td>
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