Marine, Earth, and Atmospheric Sciences (MS)

Degree Requirements

Graduate programs are offered in Atmospheric Science, Earth Science, and Marine Science. Specific course requirements are determined by the advisory committee of each student.

Students can choose focus area tracks from the following:

- Atmospheric Science Track (p. 1)
- Earth Science Track (p. 1)
- Marine Science Track (p. 1)

Degrees earned will be distributed as: "Master of Science in Marine, Earth, and Atmospheric Sciences" without track specifications.

### Atmospheric Science Track

<table>
<thead>
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<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>MEA 601</td>
<td>Seminar</td>
<td>1</td>
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</table>

**Area of Focus Courses**

| Courses in the "Area of Focus" are determined in conjunction with the academic committee |

**Total Hours**

30

1 MEA 601 Seminar is required of all thesis M.S. students no later than the third semester in residence.

### Earth Science Track

<table>
<thead>
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<tbody>
<tr>
<td>MEA 601</td>
<td>Seminar</td>
<td>1</td>
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</tbody>
</table>

**Area of Focus Courses**

| Courses in the "Area of Focus" are determined in conjunction with the academic committee |

**Total Hours**

30

### Marine Science Track

Within marine sciences the subdisciplines include:

- Biological Oceanography
- Chemical Oceanography
- Geological Oceanography
- Physical Oceanography

<table>
<thead>
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<td>MEA 540</td>
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MEA 549 Principles of Biological Oceanography

MEA 570 Geological Oceanography

MEA 573 Principles of Chemical Oceanography

**Seminar Course**

| 1 |
| MEA 601 Seminar |

**Area of Focus Courses**

| Courses in the "Area of Focus" are determined in conjunction with the academic committee |

**Courses Outside Area of Focus**

| Courses Outside Area of Focus are determined in conjunction with the academic committee |

**Total Hours**

30

### Faculty

- Viney Pal Aneja
- DellWayne R. Bohnenstiehl
- David B. Eggleston
- David Paul Genereux
- Peter Jeurgen Harries
- Ruoying He
- David Kimmel
- Gary M. Lackmann
- Elana L. Leithold
- Jay Frederick Levine
- Jing-pu Liu
- David A. McConnell
- Nicholas Meskhidze
- Helena Mitasova
- Lewis Andrew Owen
- Matthew David Parker
- John Peters
- Markus Dirk Jan Petters
- Zhen Qu
- Walter A. Robinson
- William J. Showers
- Lian Xie
Sandra E. Yuter
Anantha Aliyer
Paul Kevin Byrne
Christopher Lee Osburn
Astrid Schnetzer
Karl William Wegmann
Carli Arendt
Stuart Bishop
Magdalena Alyssa Ellis Curry
Catherine Van Wie Davis
Lily Hughes
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Sarah Larson
Ryan William Paerl
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Alianna Soldati
Otis B. Brown
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Roberto Javier Mera
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Fredrick Semazzi
Charles Ernest Knowles
Satya Pal Singh Arya
Jerry M. Davis
David John DeMaster
Ronald Victor Fodor
John Crothers Fountain
James Patrick Hibbard
Thomas Sawyer Hopkins
Daniel Kamkowski
Leonard J. Langfelder
Leonard J. Pietrafesa
Sethu Raman
Allen J. Riordan
Dale A Russell
Ping-Tung Shaw
Edward F. Stoddard
Charles W. Welby,
Donna Lee Wolcott
Thomas G. Wolcott
William Howard Battye
Geoffrey Weszely Bell
Scott Anthony Braun
Michael Brennan
Subrahmaniam Bulusu
Brian A. Colle
Jeffrey Cunningham
Johannes Michael Leopold Dahl
Kathie Dello
David R. Easterling
Scott Howard Ensign
Troy Gilmore
Peter Hamilton
Russel S. Harmon
Barron Halton Henderson
Nam-Young Kang
David E. Kingsmill
Branko Kosovic
Emlyn Howard Koster
Benjamin Kravitz
Nicole Deneault LaDue
Romuald Lipcius
Huiqing Liu
David Mechem
Siddhartha Mitra
Maria Janeth Molina
Andrew Newell
Lester Perry
Sharon Phillips
Brandon Puckett
S. Trivikrama Rao
Joseph Rudek
Blake Schaeffer
Jenni Stanley
Robert Christopher Tacker
Susan White
Shaocai Yu
Yang Zhang
Yin San Zhang