

# Marine, Earth, and Atmospheric Sciences (PhD)

## 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.

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

## Marine Science Track

Within marine sciences the subdisciplines include:

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

Code	Title	Hours	Counts towards
<b>Core Courses</b> <sup>1</sup>			<b>12</b>
MEA 540	Principles of Physical Oceanography		
MEA 549	Principles of Biological Oceanography		
MEA 570	Geological Oceanography		
MEA 573	Principles of Chemical Oceanography		
<b>Seminar Course</b> <sup>2</sup>			<b>1</b>
MEA 801	Seminar		
<b>Area of Focus Courses</b>			<b>50</b>
Courses in the "Area of Focus" are determined in conjunction with the academic committee			
<b>Courses Outside Area of Focus</b>			<b>9</b>
"Courses Outside Area of Focus" are determined in conjunction with the academic committee			
<b>Total Hours</b>			<b>72</b>

## Earth Science Track

Code	Title	Hours	Counts towards
<b>Seminar Course</b> <sup>2</sup>			<b>1</b>
MEA 801	Seminar		
<b>Area of Focus Courses</b>			<b>71</b>

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

**Total Hours** 72

## Atmospheric Science Track

Code	Title	Hours	Counts towards
<b>Seminar Course</b> <sup>2</sup>			<b>1</b>
MEA 801	Seminar		
<b>Area of Focus Courses</b> <sup>1</sup>			<b>71</b>
Courses in the "Area of Focus" are determined in conjunction with the academic committee			
<b>Total Hours</b>			<b>72</b>

<sup>1</sup> Marine science students are required to take core courses in all three subdisciplines other than their own; this requirement may be fulfilled at the M.S. level.

<sup>2</sup> MEA 801 is required of all Ph.D. students no later than the fourth semester in residence.

## Faculty

Viney Pal Aneja

DelWayne R. Bohnenstiehl

David B. Eggleston

David Paul Genereux

Peter Jeurgens Harries

Ruoying He

Gary M. Lackmann

Elana L. Leithold

Jay Frederick Levine

Jing-pu Liu

David A. McConnell

Nicholas Meskhidze

Helena Mitsova

Lewis Andrew Owen

Matthew David Parker

Markus Dirk Jan Petters

Walter A. Robinson

William J. Showers

Lian Xie

Sandra E. Yuter

Anantha Aiyyer

Paul Kevin Byrne	Dale A Russell
Christopher Lee Osburn	Ping-Tung Shaw
Astrid Schnetzer	Edward F. Stoddard
Karl William Wegmann	Charles W. Welby,
Carli Arendt	Donna Lee Wolcott
Stuart Bishop	Thomas G. Wolcott
Magdalena Alyssa Ellis Curry	William Howard Battye
Catherine Van Wie Davis	Geoffrey Weszely Bell
Lily Hughes	Scott Anthony Braun
Ethan Gordon Hyland	Michael Brennan
Sarah Larson	Subrahmanyam Bulusu
Ryan William Paerl	Brian A. Colle
Andres Camilo Rey Sanchez	Jeffrey Cunningham
Arianna Soldati	Johannes Michael Leopold Dahl
Otis B. Brown	Kathie Dello
Curtis Congreve	David R. Easterling
Brian K. Eder	Scott Howard Ensign
Elisabeth Streit Falk	Troy Gilmore
Kenneth E. Kunkel	Peter Hamilton
Roberto Javier Mera	Russel S. Harmon
Carrie J. Thomas	Barron Halton Henderson
Joseph Brendan Zambon	Nam-Young Kang
Fredrick Semazzi	David E. Kingsmill
Charles Ernest Knowles	Branko Kosovic
Satya Pal Singh Arya	Emlyn Howard Koster
Jerry M. Davis	Benjamin Kravitz
David John DeMaster	Nicole Deneault LaDue
Ronald Victor Fodor	Romuald Lipcius
John Crothers Fountain	Huiqing Liu
James Patrick Hibbard	David Mechem
Thomas Sawyer Hopkins	Siddhartha Mitra
Daniel Kamykowski	Maria Janeth Molina
Leonard J. Langfelder	Andrew Newell
Leonard J. Pietrafesa	Lester Perry
Sethu Raman	Sharon Phillips
Allen J. Riordan	Brandon Puckett

S. Trivikrama Rao

Joseph Rudek

Blake Schaeffer

Jenni Stanley

Robert Christopher Tacker

Susan White

Shaocai Yu

Yang Zhang