

UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE

Student Outcomes

UMCES is one of twelve institutions within the University System of Maryland. UMCES is the premier research institution aimed at advancing scientific knowledge of the environment.



74

Faculty members who serve as graduate advisors and committee members

311

Graduate students mentored and graduated in the last 15 years

4 Research Laboratories Across the State

Appalachian Laboratory

supporting 13 faculty and 13 students

Horn Point Laboratory

supporting 27 faculty and 34 students

Chesapeake Biological Laboratory

supporting 25 faculty and 29 students

Institute of Marine and Environmental Technology

supporting 9 UMCES faculty and 18 students



UMCES STUDENTS

Graduate Student Enrollment Programs

UMCES graduate students reside and conduct research at one of the Center's four research laboratories through three programs:



Marine-Estuarine-Environmental Sciences (MEES) Graduate Program



Graduate Program in Life Science (GPILS)



Frostburg State University's Masters Programs in Wildlife and Fisheries and Applied Ecology

More than 90% of UMCES students are enrolled in the University System of Maryland's system-wide MEES Program.

Many of the statistics presented here are derived from the system-wide MEES database.

Statistics specific to UMCES are so indicated.

MEES Program

The MEES Program offers 4 Foundation Areas

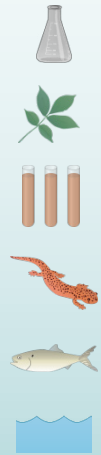
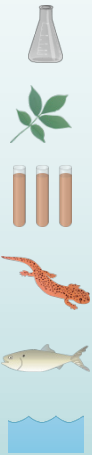
Environment and Society

Earth and Ocean Systems

Ecological Systems

Environmental Molecular Science and Technology

UMCES faculty members advise students in all 4 Foundation Areas



UMCES faculty teach more than **85%** of the courses offered by the MEES Program



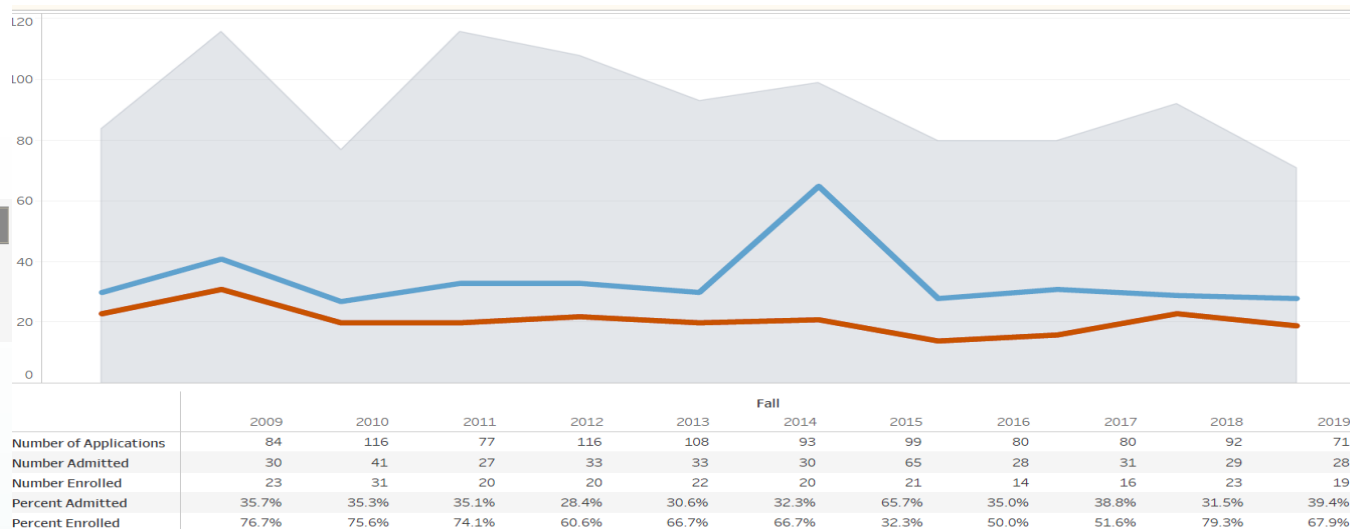
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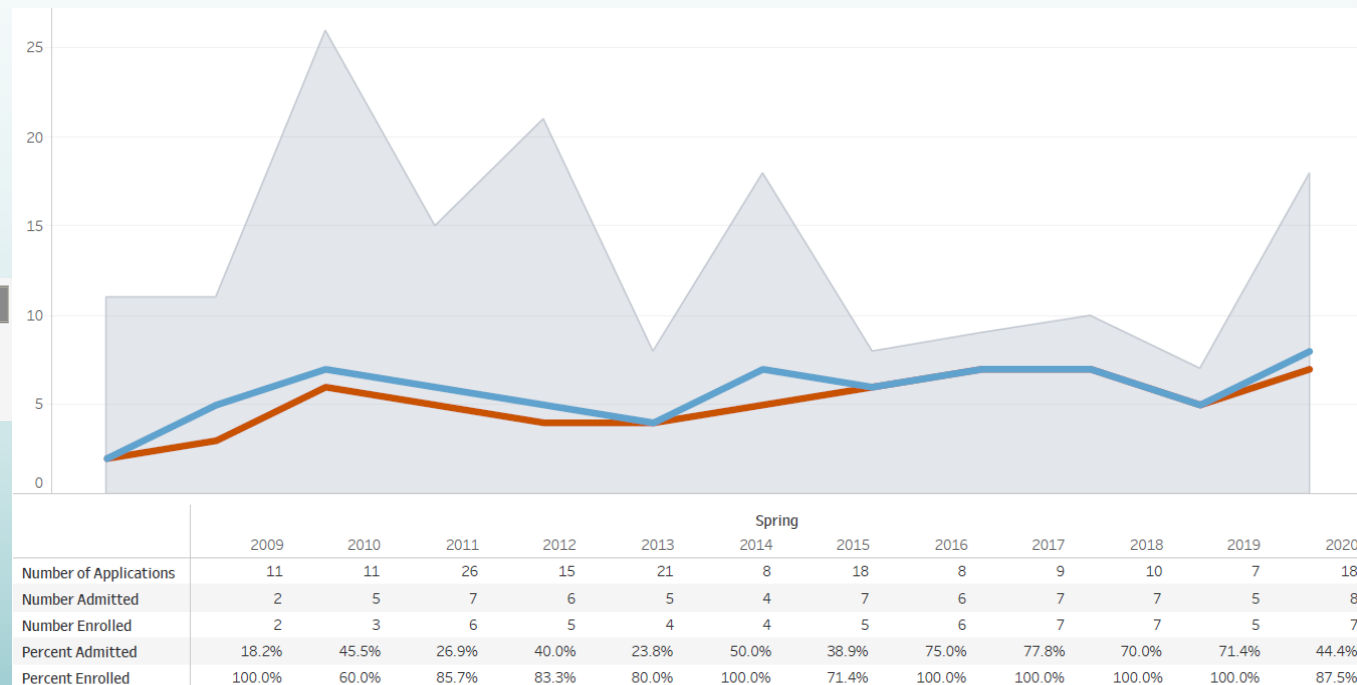
MEES GRADUATE STUDENT APPLICATION SUMMARY

Data from student applications to the MEES UMD system-wide program. More than 90% of UMCEs students applied to the MEES program.

Fall 2009-2019 MEES Application Information



Spring 2009-2019 MEES Application Information



Source: UMD Institutional Research, Planning, and Assessment

Note Regarding GRE Scores

As of summer 2018, the MEES Program has decided to no longer require students to submit GRE scores with their application. Students who have taken the GRE and would like to have their scores included in their application may choose to submit them.



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UMCES GRADUATE STUDENT ENROLLMENT SUMMARY

Number of UMCES Students Enrolled in MEES by Foundation Area	Masters Students		PhD Students	
	2016-2020	2020	2016-2020	2020
Environmental Chemistry	1	-	4	2
Ecology	6	-	3	-
Environmental Molecular Biology/Biotechnology	3	-	10	4
Environmental Science	8	-	13	7
Fisheries Science	14	1	7	2
Oceanography	8	1	20	-
<i>Earth and Ocean Systems</i>	12	8	18	16
<i>Ecological Systems</i>	25	20	10	10
<i>Environment and Society</i>	2	2	6	5
<i>Environmental Molecular Science and Technology</i>	5	4	12	10

Note on Italicized Foundation Areas

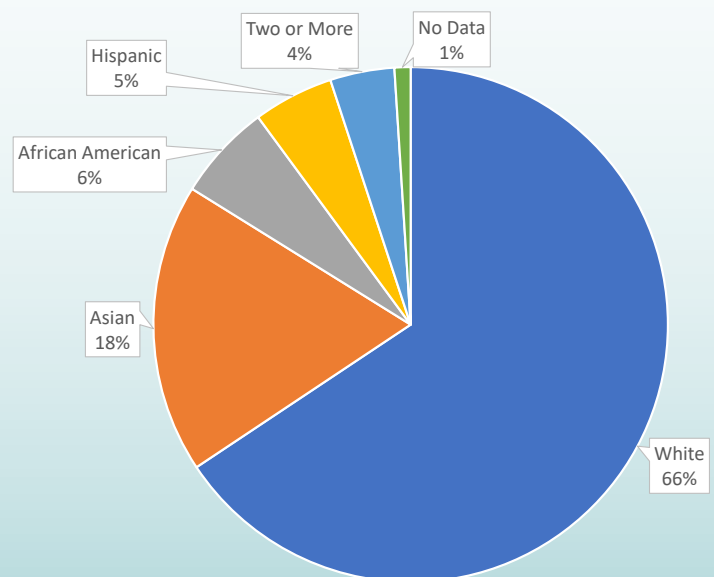
In 2016, the MEES Program implemented a new and overhauled curriculum, which included four new foundation areas (denoted by italics). Students matriculating in fall 2016 had the option of choosing between the old Areas of Specialization (non-italics) or the new foundation areas. Students matriculating since the fall 2016 have all been enrolled in the new foundation areas.



Total UMCES Student Enrollment by Location	2016-2020	2019-2020
Appalachian Laboratory	23	14
Chesapeake Biological Laboratory	65	36
Horn Point Laboratory	73	38
Institute of Marine and Environmental Technology	36	16

UMCES Student Diversity data from 2019-2020

18%
of enrollment consists of
International Students



note: this data includes all international students

Females
68% 

Males
32% 

100%
Student
Retention Rate
for students matriculating 2018

95%
Student
Success Rate
for students matriculating 2012-2018



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UMCES GRADUATE STUDENT DEGREE SUMMARY

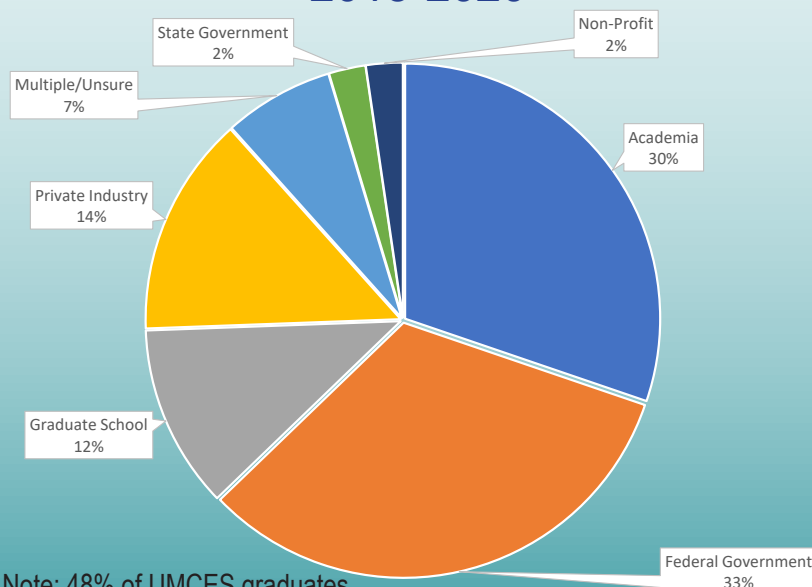
Degrees Awarded to UMCES Students by Area of Specialization	Masters Degrees		PhD Degrees	
	2014-2019	Fall 2019 - Summer 2020	2014-2019	Fall 2019 - Summer 2020
Environmental Chemistry	3	-	2	1
Ecology	10	-	2	-
Environmental Molecular Biology/Biotechnology	3	-	8	1
Environmental Science	10	1	9	1
Fisheries Science	17	0	5	0
Oceanography	4	1	12	6
<i>Ecological Systems</i>	-	5	-	1
<i>Earth and Ocean Systems</i>	2	5	1	-
<i>Environment and Society</i>	-	-	-	1
<i>Environmental Molecular Science and Technology</i>	-	1	-	-

*see note on page 4 regarding 2016 curriculum changes

UMCES Student Time to Degree

Masters Degree		Fall 2019- Summer 2020
Years to Completion		3.2
PhD Degree		Fall 2019- Summer 2020
Years to Completion		6.8

UMCES Student Employment Profile 2015-2020



Note: 48% of UMCES graduates responded to the exit survey



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DEFINITIONS

International Student

Based on the permanent residence and citizenship where a student is/was living at the time of application submission to the MEES office.

Student Retention Rate

The proportion of first-time, full-time, degree-seeking students who started in a given cohort year and are enrolled at UMCES the following year.

Student Success Rate

The proportion of graduate students who have enrolled that have either received their degree or are on track for graduation

For additional information please visit:

<https://www.umces.edu/graduate-program>

Images were provided by the Integration and Application Network
University of Maryland Center for Environmental Science (ian.umces.edu/imagelibrary/).

