

# University of Maryland Center for Environmental Science (UMCES)

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



73

Faculty members who serve as graduate advisors and committee members

215

Graduate students mentored and graduated in the last 11 years

## 4 Research Laboratories Across the State

- Appalachian Laboratory supporting 13 faculty
- Horn Point Laboratory supporting 29 faculty
- Chesapeake Biological Laboratory supporting 23 faculty
- Institute of Marine and Environmental Technology supporting 8 UMCES faculty



## Graduate Student Enrollment

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](#),
- [University of Maryland Baltimore Graduate Program in Life Science \(GPILS\)](#) and
- [Department of Biology at Frostburg State University](#).

### MEES Program



Most UMCES students, approximately 92%, 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.

### UMCES Faculty advise students in all 6 Areas of Specialization offered by the MEES Program

- |                           |   |
|---------------------------|---|
| • Environmental Chemistry | • Fisheries Science                             |
| • Ecology                 | • Oceanography                                  |
| • Environmental Science   | • Environmental Molecular Biology/Biotechnology |

UMCES faculty  
teach more than

**80%**

of the courses  
offered by the  
MEES Program



# MEES\* GRADUATE STUDENT APPLICATION SUMMARY

\* Data from MEES applications which include more than 90% of UMCES students as well as other USM students in MEES

MEES Masters Applications	2002-2012	2008-2012	2013
Total Applications	1003	391	92
Number Admitted	290	118	31
Number Enrolled	204	96	21
MEES Masters Undergraduate GPA			
Average for Applications	3.31	3.32	3.31
Average for those Admitted	3.41	3.41	3.35







MEES PhD Applications	2002-2012	2008-2012	2013
Applications	1118	435	84
Number admitted	390	146	32
Number enrolled	191	92	24
MEES PhD Undergraduate GPA			
Average for Applications	3.34	3.35	3.43
Average for those Admitted	3.36	3.39	3.47

MEES Average GRE Scores‡		2003-2011	2012-2013
Applied	Verbal GRE	154	154
	Quantitative GRE	152	158
Enrolled	Verbal GRE	154	155
	Quantitative GRE	151	155

‡ All scores are converted to the August 2011 GRE scoring metric

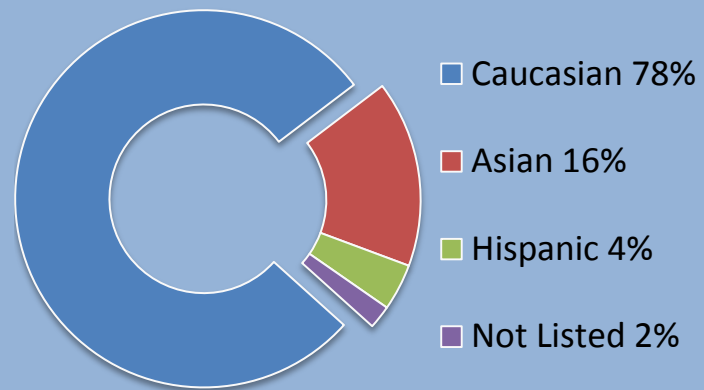


# UMCES GRADUATE STUDENT ENROLLMENT SUMMARY

Number of UMCES Students Enrolled in MEES by Area of Specialization	MASTERS Students		PhD Students	
	2008-2012	2013	2008-2012	2013
 Environmental Chemistry	17	2	7	2
 Ecology	26	3	18	2
 Environmental Molecular Biology/ Biotechnology	5	1	6	10
 Environmental Science	30	7	23	8
 Fisheries Science	25	10	14	6
 Oceanography	17	6	29	18

Total UMCES Student Enrollment by Location	2008-2012	2013
Appalachian Laboratory	35	9
Chesapeake Biological Laboratory	96	22
Horn Point Laboratory	95	32
Institute of Marine and Environmental Technology	10	14

## UMCES Student Body Diversity









**15%** of enrollment consists of International Students

UMCES has a **96%** Graduate Student Retention Rate

Females **65%**  Males **35%** 

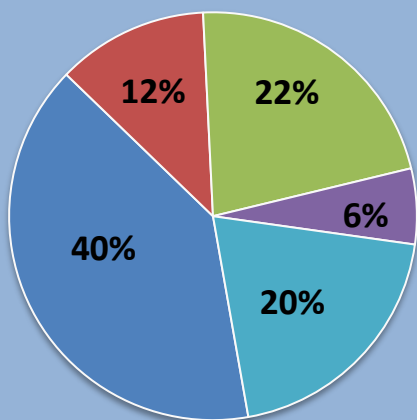


# UMCES GRADUATE STUDENT DEGREE SUMMARY

Degrees Awarded to UMCES Students by Area of Specialization	Masters Degrees			PhD Degrees		
	2002-2012	2008-2012	2013	2002-2012	2008-2012	2013
 Environmental Chemistry	22	6	1	15	5	-
 Ecology	16	7	1	14	6	-
 Environmental Molecular Biology/ Biotechnology	4	3	-	2	1	2
 Environmental Science	31	14	1	16	4	-
 Fisheries Science	28	12	1	13	7	1
 Oceanography	18	8	-	19	7	3

## UMCES Student Employment Profile

- Academia\*
- Private Industry‡
- Federal Government
- State Government
- Not Reported



Masters Degree	2008-2012	2013
Years to Completion	3.5	3.0
Average Grad GPA	3.6	3.6

PhD Degree	2008-2012	2013
Years to Completion	5.9	5.3
Average Grad GPA	3.8	3.6

### Employment Notes

\* includes continuing education (pursuing doctoral degree), postdoctoral employment, and faculty positions

‡ includes non-profits and environmental technology companies



# DEFINITIONS

## **Graduate GPA**

The mean grade point average earned by UMCES students upon obtaining their degree.

## **GRE Scores**

The mean Graduate Record Examination General Test score reported on the graduate applications to the MEES office. Scores for applications in 2012 were converted to the current GRE scoring system using the GRE Concordance Table [https://www.ets.org/s/gre/pdf/concordance\\_information.pdf](https://www.ets.org/s/gre/pdf/concordance_information.pdf)

## **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.

## **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.

## **Undergraduate GPA**

The mean undergraduate grade point average reported to the MEES office.

Images were provided by Trace Saxby and Jane Thomas from the Integration and Application Network  
University of Maryland Center for Environmental Science ([ian.umces.edu/imagelibrary/](http://ian.umces.edu/imagelibrary/)).

