

UMD COLLEGE PROFILE: A. JAMES CLARK SCHOOL OF ENGINEERING

UNDERGRADS: 3,663 GRAD STUDENTS: 2,048 T/TK FACULTY: 192 STAFF: 228

FALL 2012 STUDENT ENROLLMENTS

DEPARTMENT BREAKDOWN:

Department	Count	% of College	% of University
A. James Clark School of Engineering	159	4.3%	0.6%
Aerospace Engineering	396	10.8%	1.5%
Chemical & Biomolecular Engineering	297	8.1%	1.1%
Civil & Environmental Engineering	440	12.0%	1.7%
Electrical & Computer Engineering	789	21.5%	3.0%
Fire Protection Engineering	124	3.4%	0.5%
Fischell Department of Bioengineering	393	10.7%	1.5%
Materials Science & Engineering	112	3.1%	0.4%
Mechanical Engineering	953	26.0%	3.6%
TOTAL	3,663	100.0%	13.8%

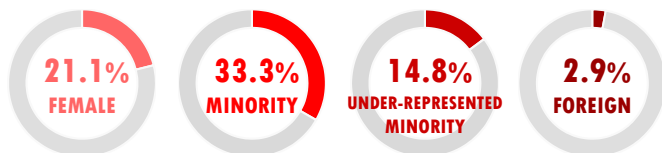
Aerospace Engineering	176	8.6%	1.6%
Chemical & Biomolecular Engineering	63	3.1%	0.6%
Civil & Environmental Engineering	218	10.6%	2.0%
Continuing & Distance Learning in Engr	531	25.9%	5.0%
Electrical & Computer Engineering	567	27.7%	5.3%
Fire Protection Engineering	30	1.5%	0.3%
Fischell Department of Bioengineering	63	3.1%	0.6%
Institute for Systems Research	19	0.9%	0.2%
Materials Science & Engineering	68	3.3%	0.6%
Mechanical Engineering	313	15.3%	2.9%
TOTAL	2,048	100.0%	19.1%

RACE/ETHNICITY & GENDER:

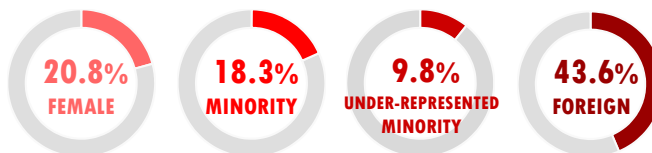
Race/Ethnicity	Female	Male	TOTAL
White:U.S.	468	1,752	2,220
Black or African American:U.S.	61	177	238
Asian:U.S.	127	551	678
American Indian or Alaska Native:U.S.	1	1	2
Native Hawaiian or Other Pacific Islander:U.S.	1	3	4
Hispanic:U.S.	40	143	183
Unknown:U.S.	23	94	117
Two or More:U.S.	29	85	114
Foreign	22	85	107
TOTAL	772	2,891	3,663

White:U.S.	123	591	714
Black or African American:U.S.	19	82	101
Asian:U.S.	37	135	172
American Indian or Alaska Native:U.S.	0	2	2
Native Hawaiian or Other Pacific Islander:U.S.	0	1	1
Hispanic:U.S.	22	48	70
Unknown:U.S.	11	56	67
Two or More:U.S.	10	18	28
Foreign	203	690	893
TOTAL	425	1,623	2,048

UNDERGRADS:



GRAD STUDENTS:



"Minority" includes: Asian, Hispanic, Black or African American, American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, and Two or More.
 "Under-represented minority" includes all of the preceding except Asian.

687 NEW FRESHMEN **528** **159**

SAT SCORES: 25TH PERCENTILE 75TH PERCENTILE

MATH **700** **760**

CRITICAL READING **610** **700**

COMBINED MATH + READING **1,320** **1,450**

AVERAGE HIGH SCHOOL WEIGHTED GPA: 4.26

90% ENTERED UMD WITH COLLEGE CREDIT **AVERAGE # OF CREDITS TRANSFERRED: 24.4**

OFFICAL EMPLOYEES:

	Female	Male	TOTAL
Faculty	77	475	552
Tenure/Tenure-Track (T/TK)	25	167	192
Neither Tenured nor On-Track	52	308	360
Staff	136	92	228
Graduate Assistants	177	595	772
Research Assistants	133	465	598
Teaching Assistants	44	130	174

Based on Primary Appointment. Affiliates are not included.

FACULTY HIGHLIGHTS

- 19** are National Academy of Engineering members (includes affiliate faculty).
- 6** are recipients of Presidential Early Career Award for Scientists and Engineers
- 51** are recipients of National Science Foundation CAREER awards
- 100+** are fellows of engineering professional societies
- 28** are UMD "Invention of the Year" Award winners
- 17** are Distinguished Scholar Teacher (DST) award winners
- 6** are Distinguished University Professors (DUP)
- 1** is a USM Regents Professor

ENGR STUDENT-FACULTY RATIO: 23:1

EMPLOYEES

UMD COLLEGE PROFILE: A. JAMES CLARK SCHOOL OF ENGINEERING

FY 2012 DEGREES: BACHELORS: 703 MASTERS: 416 DOCTORATE: 122

RETENTION & COMPLETIONS

DEGREES AWARDED by DEPARTMENT:

	Department	Degrees Awarded	% of College	% of University
BACHELORS	Aerospace Engineering	77	11.0%	1.1%
	Chemical & Biomolecular Engineering	53	7.5%	0.8%
	Civil & Environmental Engr	102	14.5%	1.4%
	Electrical & Computer Engineering	166	23.6%	2.4%
	Fire Protection Engineering	40	5.7%	0.6%
	Fischell Department of Bioengineering	54	7.7%	0.8%
	Materials Science & Engineering	16	2.3%	0.2%
	Mechanical Engineering	195	27.7%	2.8%
	TOTAL	703	100.0%	10.0%
MASTERS	Aerospace Engineering	38	9.1%	1.6%
	Chemical & Biomolecular Engineering	2	0.5%	0.1%
	Civil & Environmental Engr	39	9.4%	1.6%
	Continuing & Distance Learning in Engr	153	36.8%	6.2%
	Electrical & Computer Engineering	114	27.4%	4.7%
	Fire Protection Engineering	10	2.4%	0.4%
	Fischell Department of Bioengineering	2	0.5%	0.1%
	Institute for Systems Research	3	0.7%	0.1%
	Materials Science & Engineering	10	2.4%	0.4%
Mechanical Engineering	45	10.8%	1.8%	
	TOTAL	416	100.0%	17.0%
DOCTORATE	Aerospace Engineering	10	8.2%	1.6%
	Chemical & Biomolecular Engineering	4	3.3%	0.6%
	Civil & Environmental Engr	14	11.5%	2.2%
	Electrical & Computer Engineering	37	30.3%	5.9%
	Fischell Department of Bioengineering	10	8.2%	1.6%
	Materials Science & Engineering	12	9.8%	1.9%
	Mechanical Engineering	35	28.7%	5.5%
	TOTAL	122	100.0%	19.3%

UG RETENTION/GRADUATION RATES:

1-YEAR RETENTION RATE: 96.2%

- Retained in ENGR: **88.3%**
- Retained elsewhere: **7.9%**

4-YEAR GRADUATION RATE: 65.0%

- Graduated in ENGR: **53.5%**
- Graduated elsewhere: **11.5%**

6-YEAR GRADUATION RATE: 83.2%

- Graduated in ENGR: **64.1%**
- Graduated elsewhere: **19.2%**
- 1-year retention rate is based upon full time, degree-seeking new freshmen entering in Fall 2011. 4-year and 6-year graduation rates are based upon full time, degree-seeking new freshmen entering in Fall 2008 and Fall 2006 respectively.

DEGREES AWARDED BY GENDER:

BACHELORS: 112 ♀ 591 ♂

MASTERS: 89 ♀ 333 ♂

DOCTORATES: 20 ♀ 102 ♂

DOCTORATES AWARDED PER T/TK FACULTY: 0.64

Scan the QR codes below for more information on any of the topics below. Additional information can also be found in the News & Events section of the www.eng.umd.edu website.

ENGR SPOTLIGHT

SOLAR DECATHLON



University of Maryland's WaterShed took first place in the 2011 Solar Decathlon. The 800 sq.ft. solar home had been designed and built over the preceding two years by a team of students, faculty, and staff.

TERPS RACING TEAM



Members of the Clark School's Terps Racing team are the 2011 Sports Car Club of America Solo National Champions in the Formula SAE Class. Drivers from the team came in first and third, setting the fastest time by almost three seconds at the event.

CYBERSECURITY HONORS PROGRAM



The University of Maryland and the Northrop Grumman Corporation will launch a landmark honors program, ACES, designed to educate a new generation of advanced cybersecurity professionals.

GAMERA II – HUMAN-POWERED HELICOPTER



The National Aeronautic Association has certified the June 21, 2012 flight of Gamera II at 49.9 seconds, a new national record for human-powered helicopter flight duration. Gamera II was designed, built and piloted by students at the A. James Clark School of Engineering.

CHEM-E CAR COMPETITION



A group of Clark School students known as "Team Thirsty Turtles" took second place in the American Institute of Chemical Engineers' (AIChE) mid-Atlantic regional Chem-E Car Competition, held in Hoboken, New Jersey, in April 2012.

AUVSI ROBOSUB COMPETITION



The Robotics@Maryland team came in 3rd among U.S. teams and 6th overall with Tortuga IV at the 2012 Association for Unmanned Vehicle Systems International RoboSub competition. The team previously won the competition in 2008.