

# Partnering with Engineering Families

## An Introduction to Maryland Engineering

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UNIVERSITY OF  
MARYLAND

A. JAMES CLARK  
SCHOOL OF ENGINEERING

# Engineering Student Affairs & Academic Success Programs (<https://eng.umd.edu/student-affairs>)

**Center for  
Minorities in  
Science &  
Engineering**

**Engineering  
Career  
Services**

**Global  
Engineering  
Leadership**

**Keystone  
Program**

**Undergraduate  
Advising &  
Academic  
Support**

**Women in  
Engineering**

**Undergraduate  
Recruitment &  
Scholarship  
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# Advising Services

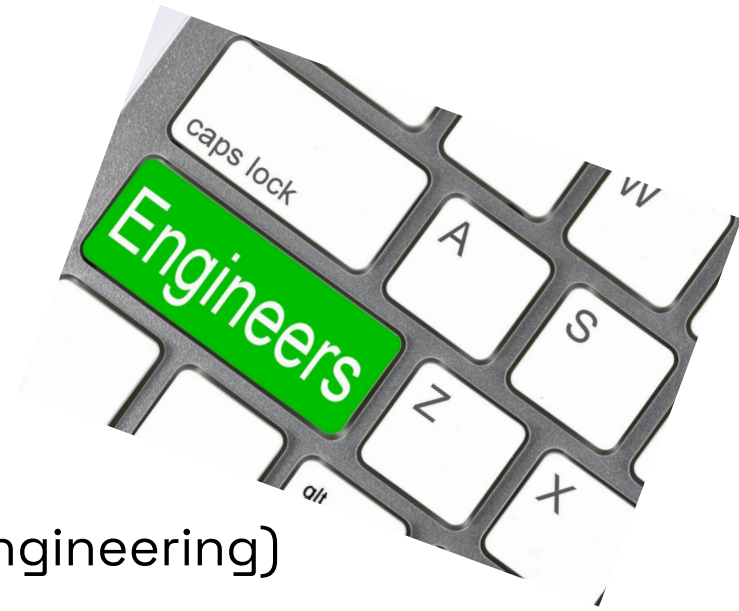
Every semester students are required to obtain advising

- **Departmental Advisor:**
  - For students with a declared engineering major, the departmental advisor is their primary advisor
- **UA&AS Advisor:**
  - For students who are undecided engineering, the UA&AS advisor is their primary advisor until they have declared their major

# Engineering Departments

Which major will your student choose?

- Aerospace
- Bioengineering
- Chemical & Biomolecular
  - (Earning a degree in Chemical Engineering)
- Civil & Environmental
  - (Earning a degree in Civil Engineering)
- Electrical & Computer
- Fire Protection
- Materials Science & Engineering
- Mechanical



# Academic Support Resources



***FACT: The transition from high school to college will be challenging, but your students are not alone! UMD offers free academic services to help:***

- Tutoring is available for most courses. Please refer to: <http://www.eng.umd.edu/advising/tutoring> or [tutoring.umd.edu](http://tutoring.umd.edu)
- The Keystone Program is available to help students with engineering courses
- The Teacher & Learning Transformation Center (TLTC) offers Guided Study Sessions for traditionally difficult courses including, but not limited to CHEM 135, MATH 140, MATH 141, MATH 246 and PHYS 161

# Frequent AP/IB Credit

Major Related Courses:

- MATH 140- Calculus I
- MATH 141- Calculus II
- CHEM 135- General Chemistry for Engineers
- ENGL 101- Academic Writing
- PHYS 161- General Physics



# Frequent AP/IB Credit

## General Education Courses:

- GVPT 170- American Government
- ECON 200- Principles of Microeconomics
- ECON 201- Principles of Macroeconomics
- HIST 200- American History: Beginnings to 1877
- HIST 201- American History: From 1865 to Present
- PSYC 100- Introduction to Psychology



# Advising on Orientation Date

- Group Advising
- UA&AS Staff
- Departmental Advisors
- Engineering Orientation Advisors
- University Orientation Advisors



# Registration Guidelines

- Typical registration range is between 14-17 credits per semester
- To be full time students must take at least 12 credits; 15 credits for some scholarships
- First semester engineering students can take a maximum of 17 credits (no exceptions)
  - After the first semester engineering students can take up to 18 credits
  - If a student wants to take more than 18 credits, they will need to submit a Credit Overload Request Form

# Sample Freshman Schedule

MATH_____	3-4 credits
(determined by Math placement, AP or IB Test)	
Basic Science Course	3-4 credits
(CHEM135 or PHYS161)	
Keystone Course	3 credits
(ENES100 or ENES102 depending on major)	
ENGL101	3 credits
Major Specific Course	1-4 credits
General Education	3 credits
General Education	3 credits
Honors/Scholars Course (optional)	
<b>Total</b>	<b>14-17 credits</b>

# TerrapinSTRONG ClarkLEAD

## ClarkLEAD

*All new Maryland Engineers are required to attend*

**When:** Sunday, August 28th 11am - 4:00pm

**Where:** The Hotel at The University of Maryland

**Complete by August 14th:**

- [Pre-registration form](#)
- CliftonStrengths Inventory

For more information about the event, please visit

<https://eng.umd.edu/terrapinstrong>



**Questions?**  
**Email [clarklead@umd.edu](mailto:clarklead@umd.edu)**

# Welcome to the Clark School of Engineering Families!

UA&AS Parent Site: <https://eng.umd.edu/parents>

UMD Parent Site: <https://terpfamily.umd.edu>

**Suggested computers/technology information:**

<https://eit.umd.edu/help/students/pc-recommendations>

# UA&AS Contact Information

Location:

Suite 1131S of Glenn Martin Hall

Website:

[www.eng.umd.edu/advising](http://www.eng.umd.edu/advising)

Phone:

301-405-9973

Email:

engrhelp@umd.edu

