Partnering with Engineering Families
An Introduction to Maryland Engineering

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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 Programs
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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
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
- 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH (determined by Math placement, AP or IB Test)</td>
<td>3-4</td>
</tr>
<tr>
<td>Basic Science Course (CHEM135 or PHYS161)</td>
<td>3-4</td>
</tr>
<tr>
<td>Keystone Course (ENES100 or ENES102 depending on major)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL101</td>
<td>3</td>
</tr>
<tr>
<td>Major Specific Course</td>
<td>1-4</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education Honors/Scholars Course (optional)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14-17</strong></td>
</tr>
</tbody>
</table>
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
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

Phone:
301-405-9973

Email:
engrhelp@umd.edu