Welcome to the College of Engineering!
Student Activities

This afternoon

1:45 PM  Engineering advising meeting (Marston)
3:00 PM  Adviser appointment cards
3:05 PM  Class registration information session
3:45 PM  Engineering reception in Howe Hall Atrium, Lower Level (rejoin your guests)

4:15 PM - 5:00 PM  Optional Engineering Tour
Students: Advising Meeting
2155 Marston Hall

Please take:

- Writing utensils
- COE Handouts
- All your materials
Guest Activities

1:30 – 3:05 PM  Academic College Meeting and Activities
   Hoover Auditorium
   • Engineering Student Services
   • Engineering Students - Cyclone Aides!
   • Engineering Career Services

3:15 – 4:15 PM  Reception
   Howe Hall Atrium

4:15 – 5:00 PM  Engineering Tours
   Howe Hall Atrium
Advocate Session

- College of Engineering Curriculum Options
- Advising/Course Registration Process
- Transitional Challenges for First-Year Students
  - Academic Resources
- How to Assist Your Student’s Academic Transition
Adviser Appointment

- Review high school background, placement tests, ACT/SAT scores, etc.
- **Review and Discuss ALEKS Placement scores**
- Make a personalized recommendation for courses to include in a schedule of classes for the fall term
- Make appropriate referrals
- Discuss learning community options
  - Non-residential options
Before Tomorrow’s Adviser Appointment

- **Make list of questions/things to tell your adviser.**
  - “I will be working “what number of” hours a week”
  - “I want to be in marching band and a learning team”
  - “Possible Major or Minor”
  - Any academic or accommodation concerns
  - How did I do in high school-academically?
  - AP, PSEO courses or Transfer credits?

- **Think about what social science/humanities (SSH) courses might be interesting.**
## Basic Program

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>Math 165  Calculus I</td>
</tr>
<tr>
<td>4.0</td>
<td>Math 166  Calculus II</td>
</tr>
<tr>
<td>3.0</td>
<td>Engl 150 Critical Thinking/Communication</td>
</tr>
<tr>
<td>3.0</td>
<td>Engl 250 WOVE Composition</td>
</tr>
<tr>
<td>4.0</td>
<td>Chem 167 Chemistry</td>
</tr>
<tr>
<td></td>
<td>or Chem 177 (Ch E, Mat E, Civil/Environmental)</td>
</tr>
<tr>
<td>3.0</td>
<td>Engr 160 Engr. Problems</td>
</tr>
<tr>
<td></td>
<td>(Dept. or Undeclared Sections)</td>
</tr>
<tr>
<td>5.0</td>
<td>Phys 221 Physics I</td>
</tr>
<tr>
<td>R</td>
<td>Engr 101 Orientation</td>
</tr>
<tr>
<td>1.0</td>
<td>Lib 160 Information Literacy</td>
</tr>
</tbody>
</table>

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**Iowa State University**

**College of Engineering**
Student Preparation for Engineering

Engineering Readiness Program

- Math placement will determine academic adviser assignment and required support programming
- Some students will join a specialized learning community (ENGR 131) and (ENGR 121) class designed to support math readiness
- Estimated 200 students each year
- Chemistry potentially delayed to 2nd or 3rd term
  - Co-registration in Calc. I is preferred
Calculus I Ready Students

- Most students who have had Calculus I over two semesters in high school, should consider taking it over.
  - Taking Calc. II your first semester here, at twice the rate students had Calc. I in high school can be a difficult adjustment for some students.
- Academic Advising in Department
Engineering Minors

- Biomedical Engineering
- Cyber Security
- Energy Systems
- Nondestructive Evaluation
- Nuclear Engineering
- Sales Engineering

- Engineering Leadership Certificate
Outside Minors or Double Majors

- There are over 100 majors as well as more than 100 minors at Iowa State University.
  - World language minor/major for engineering students—Languages and Cultures for Professions (LCP)
  - Other common minors:
    - Business, Economics, Math, Music Technology, Physics, Sustainability Studies, Entrepreneurial Studies
Registering for Classes

- After the adviser meeting, student will go to **2260 Hoover Hall** to register for classes online.
- Cyclone Aides and staff will be there to help students.
- Student will walk out with schedule for fall semester.
- **Help Book** process to resolve scheduling conflicts
Guest Activities

• Allow 2 hours for student to meet with adviser and register for classes

• Guests are encouraged to attend 2nd day activities!

• Your student will rejoin you after their registration of courses

Note: Computer labs have limited seating!
Pre-College Conversations
Student Academic Transition and Support - Engineering

• Academic expectations/student success
  • Class Attendance
  • Time Management
    • Avoiding Procrastination!
    • Study Time Allotment
    • Commitment
  • First 6 Weeks are Critical!

• Student Identity
  • Major/Career Decisions
  • Coops/Internships - Engineering Practitioner
  • Graduate School Options
    • Undergraduate Research

• Goal Setting for Educational Experience

Academic Support Resources

- **College Learning Communities**
  - Available to all first-year students
  - 80% of first-year students join a learning community
- **Engineering Student Services, 1300 Marston Hall**
- **College Multicultural Liaison**
  - LEAD Program
    - Services for underrepresented and women students in Engineering
    - Services for International students
- **Departmental Help Rooms**
- **Tutoring/Supplemental Instruction**
• Supports female engineering students through their entire adventure at Iowa State
• Scholarships
  • Open to undergraduate women in STEM majors
  • Can apply for scholarship each year
First Year Student Support

- First-Year Residential Learning Community
  - Live in Residence Halls with other Female Engineers
  - Peer Mentor Support
- Academic Support
  - Tutoring Funds Available & a Free Academic Planner
- Leadership Development
  - First-Year Course
  - CliftonStrengths™ for Students
- Study Abroad
  - Spring Break Study Abroad “Short”
Student Accessibility Services

• Coordinates reasonable accommodations for students with qualifying **documented** disabilities
  • Eligibility and accommodations in **college** are very different than in **high school**

• ‘Self Identify’ and Request Assistance
  [https://sas.dso.iastate.edu](https://sas.dso.iastate.edu)

• Eligible students work with SAS staff to communicate with their professors/instructors regarding reasonable accommodations needed
Student Accessibility Services

Dean of Students Open House
Orientation Day 2
1:00 – 2:30 PM

Location: Lobby of Student Services Building
Phone: 515.294.7220
Email: accessibility@iastate.edu
Website: sas.dso.iastate.edu
Academic Student Services

Academic Advising

Students are encouraged to consult with their adviser on a regular basis. Academic Advisers can help students with:
- Exploring engineering program options
- Registering for classes
- Transferring courses from other institutions
- Understanding degree program requirements
- Finding university resources
- Personal concerns

Visit the Webpage

College Events

Degree Programs

Four-Year Course Plans

Marston Hall Study Room

Student News

Zaffarano Award presented to Noelam Prabhuj Gaunkar
May 9, 2018

Iowa State civil and construction engineering graduates celebrate academic careers
May 7, 2018

Latest Tweets

Iowa State ENGR Retweeted
Clayton C. Anderson @Astro_Clay
35 years ago this month, I graduated (barely) from the @ISU_CoE in @ISU_Aerospace. As with @NASA, thanks for taking a chance on a student who knows nothing...
Helpful Texts

- Keys to success in Engineering Study
- Introduction to the Engineering Profession
- Teaching/Learning Process
- Personal Growth and Development
- Maximizing your Engineering Education
- Orientation to Engineering Education
Family Resources

- FERPA-Family Rights and Privacy Act
  - Financial Aid, Grades, Advising Information, etc.

- Engineering Scholarship Program
  - One common application available late December
  - Opportunity to compete for over 500 scholarships
  - Educational seminars late Fall – application overview
  - Required for renewal of eligible engineering scholarships

- Technology Resources

- Stay connected to Engineering

Source: Letting Go, A Parents’ Guide to Understanding the College Years (Authors) Coburn and Treeger (2009)
Study Abroad

- 30+ Options for Engineering Students
- Designed to Integrate with Engineering Majors
- Summer, Semester or Academic Year Options
- Affordable
- Scholarships Available!

Engineering Student Services
International Programs
1300 Marston Hall

Iowa State University
College of Engineering
Get Involved!

• Student Organizations
  • 900 Student Organizations
  • More than 80 in Engineering

• Learning Communities

• University Activities
We are here to help!
Let our knowledgeable staff help you and your student with questions!

Please contact us!
(515) 294-7186
engineer@iastate.edu
www.engineering.iastate.edu/student-services

Dr. Joel Johnson
Engineering Student Services
1300 Marston Hall
Evening Activities

4:15 – 5:00 PM  **College of Engineering tour**  
*Tour will depart from 1st floor Howe Hall*

5:00 – 6:00 PM  **Dinner**  
*Union Drive Community Center (UDCC)*

6:15 – 8:00 PM  **“What You Need to Know” session**  
*Students – South Ballroom, Memorial Union  
Family members – Sun Room, Memorial Union*

8:00 – 8:45 PM  **Munch and Mingle**  
*Memorial Union Food Court*