Iowa State University
College of Engineering

Welcome!
Hoover Hall: First Floor Emergency Map
**Student Activities**

*This afternoon*

**1:45 PM**  Engineering advising meeting (Marston)

**2:50 PM**  Class registration information session

**3:20 PM**  Adviser appointment cards

**3:30 PM**  Engineering reception  
Howe Hall Atrium (lower level)  
*Rejoin your guests*

**4:05 PM - 5:00 PM**  *Optional Engineering Tour*
Students: Advising Meeting

2155 Marston Hall

Please take:

• Writing utensils
• Engineering 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

4:05 – 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
- Engineering professional competency development
Adviser Appointment

- Review high school background, placement tests, ACT/SAT scores, etc.
- **Review and Discuss ALEKS Placement scores**
- 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>
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<tbody>
<tr>
<td>4.0</td>
<td><strong>Math 165</strong></td>
</tr>
<tr>
<td>4.0</td>
<td><strong>Math 166</strong></td>
</tr>
<tr>
<td>3.0</td>
<td><strong>Engl 150</strong></td>
</tr>
<tr>
<td>3.0</td>
<td><strong>Engl 250</strong></td>
</tr>
<tr>
<td>4.0</td>
<td><strong>Chem 167</strong></td>
</tr>
<tr>
<td>or <strong>Chem 177</strong> (Ch E, Mat E, Civil/Environmental)</td>
<td></td>
</tr>
<tr>
<td>3.0</td>
<td><strong>Engr 160</strong></td>
</tr>
<tr>
<td>5.0</td>
<td><strong>Phys 221</strong></td>
</tr>
<tr>
<td>R</td>
<td><strong>Engr 101</strong></td>
</tr>
<tr>
<td>1.0</td>
<td><strong>Lib 160</strong></td>
</tr>
</tbody>
</table>
Engineering Readiness

- Math placement determines 1st math course at ISU
- Some students will start in Math 140 or Math 143, prior to beginning Calculus course work
- Estimated 200 students each year
- Chemistry potentially delayed to 2nd or 3rd term
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**.
Engineering Minors

- Biomedical Engineering
- Cyber Security
- Energy Systems
- Engineering Sales
- Nondestructive Evaluation
- Engineering Leadership Certificate/Minor
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
- Student will walk out with schedule for fall semester
- Help Book process to resolve scheduling conflicts
Academic Transitions

- **Academic expectations/student success**
  - Class attendance
  - Time management
    - Avoiding procrastination!
    - Study time allotment
    - Commitment
  - Advocate for assistance
  - FERPA: Family Rights and Privacy Act

- **Student identity**
  - Major/career decisions
  - Coops/internships - engineering practitioner
  - Graduate school options
  - Undergraduate research

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 minority and women students
    - Services for international students

- **Departmental Help Rooms**

- **Tutoring/Supplemental Instruction**
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
University Department focused on supporting female-identifying STEM 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 Living Option
  - Live in Residence Halls with other first-year female engineers & STEM students
  - Locations in 10 different residence halls
- Academic Support
  - Tutoring funds available
  - Free academic planner
- Leadership Development
  - First-Year course
  - CliftonStrengths™ for Students
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
  • sas.dso.iastate.edu

• Eligible students work with SAS staff to communicate with their professors/instructors regarding reasonable accommodations needed
Walk in hours:
Orientation Day 2
1:00 – 4:00 PM

Location: 1076 Student Services Building
Phone: 515.294.7220
Email: accessibility@iastate.edu
Website: sas.dso.iastate.edu
Get Involved!

- Student organizations
  - 900 Student organizations
  - More than 90 in engineering
  - 12 Competition teams

- Great opportunity to develop professional work skills
Student Professional Competencies Development

15 Skills

Employers Most Want to See

- Engineering Knowledge
- Communication
- Planning
- Professionalism
- Quality Orientation
- Safety Awareness
- General Knowledge
- Cultural Adaptability
- Teamwork
- Innovation
- Analysis & Judgement
- Continuous Learning
- Customer Focus
- Integrity

Source: Engineering Career Services Office, Spring 2019
Study Abroad

• 30+ Options for engineering students
• Programs designed to integrate with engineering majors
• Winter break, summer, semester or academic year options
• Affordable
• Scholarships available!

Engineering Student Services
International Programs
1300 Marston Hall
Differential Tuition for Engineering

- Currently assessed junior and senior year
- ISU has proposed a higher tuition rate for **sophomore** students for 2019 – 2020
  - Engineering
  - Agricultural Systems Technology
  - Industrial Technology
- New rates will be implemented beginning Fall 2019, **pending** the Board’s **approval** in June.
Engineering Scholarship Program

- One common application
- Required for renewal of most engineering scholarships
- Opportunity to compete for over 500 scholarships
- Application available Fall 2019 for Fall 2020 – Spring 2021 funding

**Timeline: Academic Year 2020-2021**

- November 1, 2019: Application Opens
- February 3, 2020: Application Closes

Iowa State University

College of Engineering
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

4:05 – 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

Sunday CyRide service available from 4:00 – 5:00 PM
• Exit the NE doors of Howe, then cross Bissell Rd at the paved pathway
• Follow Bissell Rd to the south and follow the path along the north side of Hoover Hall
• Go around the east side of Hoover Hall and follow the path until you reach the Student Services Building
• Follow the path around the east side of the Enrollment Services Center and cross Union Drive
• Follow Union Drive to the Union Drive Community Center

All pathways are paved.