Welcome to the College of Engineering!
Student Activities

This afternoon

1:45 PM  Engineering advising meeting (Howe Hall)
3:00 PM  Advisor appointment cards
3:05 PM  Class registration information session
3:45 PM  Meet family in Howe Hall Atrium, (Lower Level)

4:15 PM - 5:00 PM  Optional Engineering Tour
Students

*Please take:*

- Writing utensils
- COE Handouts
- All your materials

You will be in the **Alliant Energy - Lee Liu Auditorium**, First Floor Howe Hall
Family Activities

1:30 – 3:05 PM  Academic College Meeting and Activities
   2055 Hoover Hall
   • Engineering Student Services
   • Engineering Students - Cyclone Aides!
   • Engineering Career Services

3:15 – 4:15 PM  Refreshments & Discussion
   Howe Hall Atrium

4:15 – 5:00 PM  Engineering Tours
   Howe Hall Atrium
Family/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 or PSEO courses-Transfer credits?

• **Think about what social science/humanities (SSH) courses might be interesting.**
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New Retention Program
Non-Calculus I Ready Students

- Math placement will determine academic adviser assignment and required support programming
- Some students will join a specialized learning community and ENGR 131 designed to support math readiness
- Estimated 500 students each year
- Chemistry potentially delayed to 2\textsuperscript{nd} or 3\textsuperscript{rd} term
  - Co-registration in Calc. I typically required
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
## Basic Program

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>4.0</td>
<td>Math 165</td>
<td>Calculus I</td>
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<tr>
<td>4.0</td>
<td>Math 166</td>
<td>Calculus II</td>
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<tr>
<td>3.0</td>
<td>Engl 150</td>
<td>Critical Thinking/Communication</td>
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<tr>
<td>3.0</td>
<td>Engl 250</td>
<td>WOVE Composition</td>
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<tr>
<td>4.0</td>
<td>Chem 167</td>
<td>Chemistry</td>
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<tr>
<td>or Chem 177 (Ch E, Mat E, Civil/Environmental)</td>
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<tr>
<td>3.0</td>
<td>Engr 160</td>
<td>Engr. Problems</td>
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<td></td>
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<td><em>(Dept. or Undeclared Sections)</em></td>
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<tr>
<td>5.0</td>
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<td>Physics I</td>
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<td>Orientation</td>
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<tr>
<td>1.0</td>
<td>Lib 160</td>
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Iowa State University  
College of Engineering
Engineering Minors

- Biomedical Engineering
- 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, Wind Energy
Registering for Classes

- After adviser meeting, student will go to 2260 Hoover 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
Family Activities

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

- Families 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

- **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

- **Homesickness**

- **Goal Setting for Educational Experience**

Academic Support Resources

- **College Learning Communities**
  - Available to all first year students
  - 80% of 1st year students join a learning community
- **Engineering Student Services, 2620 Howe Hall**
- **College Multicultural Liaison**
  - LEAD Program
  - Services for underrepresented and WiSE students
- **Departmental Help Rooms**
- **Academic Success Center**
- **Tutoring/Supplemental Instruction**
Open to female engineering students

Benefits:
- Peer Mentors
- Free Tutoring
- Scholarships
- Study Hours
- Course Clustering
- Leadership and Career Development
- Fun Events & Community Building

Students in WiSE are more likely to remain in engineering majors.
Student Disability Resources (SDR)

• 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
  • Provide valid documentation to establish eligibility
  • Meet with SDR staff during first week of semester

• Eligible students work with SDR staff to communicate with their professors/instructors regarding reasonable accommodations needed
Student Disability Resources (SDR)

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

Location: 1076 Student Services Building
Phone: (515) 294-7220
Email: disabilityresources@iastate.edu
Website: www.dso.iastate.edu/dr
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
2620 Howe Hall
Get Involved!

- Student Organizations
  - Over 850 Student Organizations
  - More than 60 in Engineering
- Learning Communities
- University Activities
Parent Resources & Transitions

- The summer will go quickly
  - Talk about the transition
    - How you are feeling?
    - How are they feeling?
  - August Transition: Set expectations
  - PLAN for the GOODBYE

- Finances
  - How to budget? Credit cards, etc.
  - Your expectations for provided funding
  - FERPA

Source: Letting Go, A Parents’ Guide to Understanding the College Years (Authors) Coburn and Treeger (2009)
Parent Resources & Transitions

- Academic Life
  - Students will have an academic transition
  - 1st year is filled with highs and lows

- What if things are not going well?
  - Expectations on how to communicate, your availability as an advocate
  - Contact Dean of Student Assistance, or Engineering Student Services
  - Please call us if concerns arise!

Source: Letting Go, A Parents’ Guide to Understanding the College Years (Authors) Coburn and Treeger (2009)
Resources for Parents/Advocates

• ISU Parent Association
• Differential Tuition
• Paying for College
• Career Services
• Resource List for Your Student
• PLTW College Credits and Transfer to ISU
• College News/Events
• Parent Newsletter
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

Dr. Joel Johnson
Engineering Student Services
2620 Howe Hall
Ames, Iowa 50011
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 – Gallery Room, Memorial Union*
*Family members – Sun Room, Memorial Union*

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