COLLEGE OF ENGINEERING
AGENDA

1. Advising preview
2. Components of the engineering degree (B.S.E.)
3. General education requirements
4. Typical course schedule
5. Advising resources
6. Opportunities
7. Questions
Students and advisors:
- Discuss course selection (*morning*)
- Register for courses (*afternoon*)
DEGREE COMPONENTS

Foundation
(Chem, Math, Physics)

Core
(Eng. Problem Solving I & II, Statics, Thermo, Circuits)

128 s.h.

General Education

Major & Elective Focus Area ("EFA")
GENERAL EDUCATION REQUIREMENTS

1. 3 s.h. from “Be Creative” list

2. 3 s.h. from the following General Education areas:
   1. Interpretation of Literature
   2. World Languages
   3. Historical Perspectives
   4. International & Global Issues
   5. Literary, Visual & Performing Arts
   6. Values, Society and Diversity
   7. Social Sciences

3. 9 s.h. from “Approved Subject Areas”

For list of Approved Subject Areas, go to the College of Engineering General Education Requirements Webpage

15 S.H. OF GENERAL EDUCATION REQUIRED
FIRST-SEMESTER COURSES

Engineering Problem Solving I 3 s.h.
Engineering Success for 1st Year Students 1 s.h.

and

Eng. Problem Solving II or Rhetoric 3-4 s.h.
Principles of Chem. or Introductory Physics 4 s.h.
A First-Year Seminar (optional, but encouraged) 1 s.h.

and based on test scores,

Engineering Math I or II 4 s.h.
FIRST-YEAR SEMINARS

• For first-year students ONLY
• Over 130 choices!
• Taught by faculty members
• Class size of 15-20

Sample Seminar Titles:
- Fascinated by Aviation? An Inside Look at Commercial Aviation
- Who Are You? Revelations from the Personal Genome
- Jazz Culture in Iowa City
- Human Dimensions of Big Data
- History Through the Novel
- The World in Iowa, Iowa in the World
Placement Exam Required!

ALEKS

or

Math Placement Test #3 (MPT3)
ALEKS

• For students who have not received credit for Calculus I
• The test:
  • Is adaptive
  • Can be taken up to five times within a year
  • Provides review material
• Score of 75% or higher needed to enroll in Engineering Math I
ALEKS

- Minimum goal of a 60% in each topic
Math Placement Test #3

• For students who have received credit for Calculus I
• The test:
  • Contains calculus material
  • Is multiple choice
  • Can be taken multiple times
• Score of 9 or higher needed to enroll in Engineering Math II
Build a Solid Foundation!

Students must earn a C- or better in Engineering Math I and II
Consider:

- AP/CLEP credits
- Placement tests
- Transfer credits
- Academic preparation
- Degree requirements
SAMPLE SCHEDULE

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Eng Math I (discussion)</td>
<td>Chemistry</td>
<td>Eng Math I</td>
<td>Eng Math I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:30</td>
<td></td>
<td>EPS I</td>
<td>EPS I</td>
<td>1st Year Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>EPS Project</td>
<td>EPS Project</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Chemistry (discussion)</td>
<td>Eng Math I (discussion)</td>
<td>Chemistry (discussion)</td>
<td>Chemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Rhetoric</td>
<td>Rhetoric</td>
<td>Rhetoric</td>
<td>Rhetoric</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:30</td>
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<td></td>
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</tr>
<tr>
<td>2:30</td>
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<tr>
<td>3:30</td>
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<tr>
<td>4:30</td>
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</tr>
<tr>
<td>5:30 - 9</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# SAMPLE SCHEDULE

<table>
<thead>
<tr>
<th>Day</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Eng Math I</td>
<td>Chemistry (discussion)</td>
<td>Eng Math I</td>
<td>Exercise</td>
<td>Eng Math I</td>
<td></td>
</tr>
<tr>
<td>9:30</td>
<td>Homework</td>
<td>EPS I</td>
<td>Homework</td>
<td>EPS I</td>
<td>1st Year Course</td>
<td>Football Game</td>
</tr>
<tr>
<td>10:30</td>
<td>EPS Project</td>
<td>Eat Lunch</td>
<td>EPS Project</td>
<td>Eat Lunch</td>
<td>Eat Lunch</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Chemistry</td>
<td>Eng Math I (discussion)</td>
<td>Chemistry</td>
<td>Eng Math I (discussion)</td>
<td>Chemistry</td>
<td>Football Game</td>
</tr>
<tr>
<td>12:30</td>
<td>Rhetoric</td>
<td>Homework</td>
<td>Rhetoric</td>
<td>Rhetoric</td>
<td>Rhetoric</td>
<td>Nap</td>
</tr>
<tr>
<td>1:30</td>
<td>Exercise</td>
<td></td>
<td>Exercise</td>
<td></td>
<td>Nap</td>
<td>Call Home</td>
</tr>
<tr>
<td>2:30</td>
<td>Nap</td>
<td>Work on campus</td>
<td>Nap</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30</td>
<td>Homework</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4:30</td>
<td>Eat Dinner</td>
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<td></td>
</tr>
<tr>
<td>5:30 - 9</td>
<td>Tutoring</td>
<td>Work on campus</td>
<td>Tutoring</td>
<td>Work on campus</td>
<td>Eat Dinner</td>
<td>Tutoring</td>
</tr>
</tbody>
</table>
TIME MANAGEMENT

For each 1 s.h., a student should expect at least 2-3 hours of time spent outside of class.

- Homework
- Group Projects
- Technical Writing Assignments
- Exam Preparation
Student Development Center (3124 Seamans Center)
- Academic advisors
- Curriculum & transfer guides
- Forms
- Peer Advisors
- Tutoring
ONLINE RESOURCES

ISIS (Iowa Student Information System)
- Class times, locations, scheduling
- Transfer credit
- Academic policies, procedures, programs

Office of the Registrar
- Academic calendar
- Forms
- GPA calculator
- Deadline dates
- Tuition and fees
FERPA

Family Educational Rights & Privacy Act

• Students are in charge of their own educational record
• They may give others permission to see grades, u-bill, and other information by filling out a form on ISIS

It is against the law for us to discuss grades or student information without an academic record consent form
ACADEMIC RECORD CONSENT FORM

ISIS

• isis.uiowa.edu
• Student Records tab
• Academic Record Consent Form
Related to academics
  • Study abroad
  • Honors
  • Co-op/internships
  • Research
  • Engineering Grand Challenges

Extracurricular Activities
  • Student organizations
  • Athletics/intramurals
  • Work
  • Marching band
The most successful engineering graduates will possess the skills to thrive in the emerging global environment...A global experience as an undergraduate will provide invaluable exposure to different cultures and new ways of thinking, and will set you on the path to success.

--Alec Scranton, Dean
Early opportunities

- Winter
  - India Winterim
- Summer
  - CIMBA (Italy)
  - John Cabot University (Italy)
  - Hong Kong University of Science & Technology
Scholarships & Grants

- Global Engineering, up to $2,000
- Merit-Based, up to $2,500
- Need-Based, up to $4,000
- Diversity Ambassador, up to $500
- Stanley Awards, up to $3,000
- CAPS Study Abroad in Asia, up to $2,000
- Iowa Abroad, $1,000

Allison Kindig pictured during her THREE global experiences!
Want to Learn More?

1:00 today in the Nebraska Room

facebook.com/(uiowaglobalengineering)

instagram.com/(uiowaglobalengineering)
University Honors
• 3.50 gpa
• 24 hours of honors credit
• Enter as first-year or later

Engineering Honors
• 3.33 gpa
• Research experience
• Honors thesis
• Jr and/or Sr year

TWO OPTIONS TO EARN HONORS!
Employer Outreach:
Engineering Career Fairs, Networking Events

Career Development:
Resume & Cover Letter Development, Interviewing Skills, Job & Internship Search Strategies, Professional Networking

Experiential Education:
Co-ops, Internships & Research
GET INVOLVED

30+ Engineering Student Organizations

- **Departmental**
  BMESS, AIChE, ASCE, IEEE, IIE, ASME

- **Industry Specific**

- **Honors/Professional**
  Pi Tau Sigma, Alpha Pi Mu, Theta Tau…

- **Diversity**
  Society of Women Engineers, National Society of Black Engineers, Society of Hispanic Professional Engineers…

AND MANY MORE!
Engineering Grand Challenges Scholars Program

- Conduct research related to one of the Grand Challenges
- Earn up to $3000 scholarship/program support for 3 years
- Prepare to be a better leader through exposure to service learning, global perspectives, entrepreneurship and a multi-disciplinary curriculum
- Make a difference!

GET INVOLVED
1. Update personal information in ISIS
2. Email is official means of communication (check daily!)
3. Your student ID card gives you 24/7 access to the Seamans Center
4. If you need technical help, visit the Engineering Computer Services, 1256 SC, 319-335-5055 or http://css.engineering.uiowa.edu
QUESTIONS?

Contact the Student Development Center

3124 Seamans Center
319-335-5763

www.engineering.uiowa.edu
WHAT HAPPENS NEXT?

Students
• Seamans Center
• Discuss courses with advisor
• Lunch
• Register

Family & Guests
• Please check your programs for options