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College of Engineering (CoE) Contacts and Websites

CoE transfer contact and undeclared engineering information:
Susie DeMoss, M.Ed.
Transfer Coordinator
sdemoss@iastate.edu
515-294-8208

Articulation agreement information:
Paul Castleberry, Ph.D.
Senior Classification Officer
paulca@iastate.edu
515-294-0364

CoE Departmental Academic Advisers:
See contact list on the following page.

CoE Departments:
College of Engineering: www.engineering.iastate.edu
Aerospace Engineering: www.aere.iastate.edu
Agricultural and Biological Systems Engineering: www.abe.iastate.edu
Chemical Engineering: www.cbe.iastate.edu
Civil, Environmental and Construction Engineering: www.ccee.iastate.edu
Computer, Electrical and Software Engineering: www.ece.iastate.edu
Industrial and Manufacturing Systems Engineering: www.imse.iastate.edu
Materials Science and Engineering: www.mse.iastate.edu
Mechanical Engineering: www.me.iastate.edu

Engineering Career Services:
www.engineering.iastate.edu/ecs

Additional Iowa State University Resources

Office of Admissions:
www.admissions.iastate.edu
800-262-3810
All other departments can also be reached by calling this toll-free number and asking to be transferred.

Office of Student Financial Aid:
www.financialaid.iastate.edu
515-294-2223

Department of Residence:
www.housing.iastate.edu
515-294-2900
Aerospace Engineering
2271 Howe Hall - 515-294-3776

Agricultural & Biological Systems Engineering
114 Industrial Education Building II - 515-294-1033

Chemical Engineering
2162 Sweeney Hall - 515-294-7643

Civil, Environmental and Construction Engineering
382 Town Engineering Building - 515-294-9926

Electrical, Computer and Software Engineering
2205 Coover Hall - 515-294-6092

Industrial Engineering
3004 Black Engineering Building - 515-294-0128

Materials Engineering
2220 Hoover Hall - 515-294-5927

Mechanical Engineering
2043 Black Engineering Building - 515-294-4932

Undeclared Engineering Student Services
110 Marston Hall - 515-294-7186
Iowa Community College: ISU Course Equivalency Guides

**Des Moines Area Community College (DMACC)**
- Ankeny Campus
- Boone Campus
- Carroll Campus
- Newton Polytechnic
- Urban Campus

**Eastern Iowa Community College**
- Clinton Community College
- Muscatine Community College
- Scott Community College

**Hawkeye Community College**

**Indian Hills Community College**
- Centerville Campus
- Ottumwa Campus

**Iowa Central Community College**
- Eagle Grove Campus
- Fort Dodge Campus
- Storm Lake Campus
- Webster City Campus

**Iowa Lakes Community College**
- North Campus
- South Campus

**Iowa Valley Community College**
- Ellsworth Community College
- Marshalltown Community College

**Iowa Western Community College**
- Council Bluffs Campus
- Clarinda Campus

**Kirkwood Community College**

**North Iowa Area Community College (NIACC)**
- Calmar Campus
- Peosta Campus

**Northeast Iowa Community College**

**Northwest Iowa Community College**

**Southeastern Iowa Community College**
- North Campus
- South Campus

**Southwestern Community College**

**Western Iowa Tech Community College**
Transfer Application Checklist
Summer and Fall Entry

September – December

- Visit the campus. In addition to regular campus visits, Iowa State University offers Transfer Student Visit Days.
- Submit your application. Be certain to check for application deadlines that may apply for the term you plan to enter.
- Request that each college or university through which you have attempted college credit send your official transcripts to the Office of Admissions.
- Review Iowa State University scholarships.
- Receive notification regarding your admission approximately three weeks after all of your application materials have been received.

January – May

- Submit the Free Application For Federal Student Aid (FAFSA). Iowa State's code number is 001869. (Submit the FASFA even if you miss the March 1 priority date!)
- By May 1, submit your admissions acceptance form and acceptance fee to confirm your enrollment in the summer or fall class.
- Submit your housing contract. The earlier you submit your contract, the more likely you are to get the housing you prefer.
- Respond to your orientation invitation. (Mailing of invitations begins in January.)
- If interested in the Twelve-Month Payment Plan, sign up by April 20.

June – August

- If you didn't do so in the spring, attend orientation, meet with your academic adviser, and register for your classes.
- Receive your registration confirmation and your billing statement in early August.
- Move into your residence hall on or after the Wednesday before classes begin.
- Attend Destination Iowa State just before classes begin in August.
Transfer Application Checklist

Spring Entry

January – September

- Visit the campus. In addition to regular campus visits, Iowa State University offers Transfer Student Visit Days.
- Submit your application. Be certain to check for application deadlines that may apply for the term you plan to enter.
- Request that each college or university through which you have attempted college credit send your official transcripts to the Office of Admissions.
- Review Iowa State University scholarships.
- Receive notification regarding your admission approximately three weeks after all of your application materials have been received.
- Submit the Free Application For Federal Student Aid (FAFSA). Iowa State's code number is 001869. (Submit the FASFA even if you miss the March 1 priority date!) If you are receiving financial aid for the fall semester at another institution, contact the federal processor at 800 433-3242 and request that your FAFSA information be sent to Iowa State University.

October – January

- By November 1, submit your admissions acceptance form and acceptance fee to confirm your enrollment in the spring class.
- Submit your university housing contract. The earlier you submit your contract, the more likely you are to get the housing you prefer.
- Respond to your orientation invitation. (Mailing of invitations begins in October.)
- Attend orientation, meet with your academic adviser, and register for your classes. Early orientation sessions are held in November.
- Receive your registration confirmation and billing statement in early December.
- Move into your residence hall on or after the Thursday before classes begin in January.
- Attend Destination Iowa State just before classes begin in January.
Four Year Plans for Engineering
Degree Programs

Fall 2012-2013 Catalog

Aerospace_Engineering_(AerE)
Agricultural_Engineering_(AE)
Biological_Systems_Engineering_(BSE)
Chemical_Engineering (ChE)
Civil_Engineering (CE)
Computer_Engineering (CprE)
Construction_Engineering (ConE)
Electrical_Engineering (EE)
Industrial_Engineering_(IE)
Materials_Engineering (MatE)
Mechanical_Engineering (ME)
Software_Engineering_(SE)
Basic Program Requirements
Basic Program Requirements

- Engineering Basic Program
- Foreign Language Requirement
- Additional Suggested Coursework

All students entering Iowa State’s College of Engineering begin with our “Basic Program;” 27 credits of requirements needed to move into upper level engineering coursework. All 12 engineering degree programs require these courses. Students attending an Iowa community college can take the majority of their basic program prior to transferring. Required basic program courses are listed below.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 165 Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>Math 166 Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>Engl 150 Critical Thinking/Comm</td>
<td>3</td>
</tr>
<tr>
<td>Engl 250 WOVE Composition</td>
<td>3</td>
</tr>
<tr>
<td>Chem 167 or Chem 177 Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Engr 160 Engineering Problems</td>
<td>3</td>
</tr>
<tr>
<td>Phys 221 Physics I</td>
<td>5</td>
</tr>
<tr>
<td>Engr 101 Engineering Orientation</td>
<td>R</td>
</tr>
<tr>
<td>Lib 160 Library Instruction</td>
<td>1</td>
</tr>
</tbody>
</table>

Additional requirements. Students attending Iowa State must complete the basic program coursework with a 2.0 GPA or higher in order to continue into upper level engineering coursework. Students transferring basic program course credit must receive a “C” or better in each class to receive transfer credit.

Students may begin anywhere in the math sequence; however, the degree programs begin with calculus. College algebra and trigonometry are prerequisites to calculus.

The College of Engineering has a foreign language requirement. Students must have completed two years of a single foreign language in high school OR two semesters of a single foreign language in community college (or other college/university) in order to meet this graduation requirement. Students are allowed to enter an engineering degree program without meeting this requirement, but must complete it prior to graduation.
General education, social sciences/humanities. Engineering degree programs at Iowa State require very few Gen Ed/SSH courses - typically not more than four or five. Each program has its own specific list of accepted/required courses (these can be found in this handbook under each specific major’s information section). Courses accepted by all engineering majors (as of 2012-13 catalog) are listed below. Courses denoted with a ¹ or ² also meet specific US Diversity or International Perspective requirements.

When completing Gen Ed/SSH courses prior to transferring, it is important to note how few of these course credits will be applicable to an engineering degree program.

<table>
<thead>
<tr>
<th>ISU Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthr 201 Intro to Cultural Anthropology ²</td>
<td>3</td>
</tr>
<tr>
<td>Econ 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Econ 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Hist 201 Introduction to Western Civilization I ²</td>
<td>3</td>
</tr>
<tr>
<td>Hist 202 Introduction to Western Civilization II ²</td>
<td>3</td>
</tr>
<tr>
<td>Hist 221 Survey of U.S. History I</td>
<td>3</td>
</tr>
<tr>
<td>Hist 222 Survey of U.S. History II</td>
<td>3</td>
</tr>
<tr>
<td>Music 102 Introduction to Music Listening ²</td>
<td>3</td>
</tr>
<tr>
<td>Phil 201 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Pol S 215 Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>Pol S 251 International Relations ²</td>
<td>3</td>
</tr>
<tr>
<td>Psych 101 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psych 230 Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HD FS 276 Human Sexuality ¹</td>
<td>3</td>
</tr>
<tr>
<td>Psych 280 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Relig 205 Survey of World Religions ²</td>
<td>3</td>
</tr>
<tr>
<td>Soc 134 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Soc 219 Intimate Relationships</td>
<td>3</td>
</tr>
<tr>
<td>Soc 235 Social Problems ¹</td>
<td>3</td>
</tr>
</tbody>
</table>
Tips for Student Success
Tips for Student Success

Recommended student success tips have emerged from the Student Enrollment and engagement through Connections (SEEC) project and associated research. SEEC was a collaborative effort between Des Moines Area Community College and Iowa State University funded by the National Science Foundation, Science, Technology, Engineering and Mathematics Talent Expansion Program (STEP), Directorate for Education and Human Resources, Division of Undergraduate Education, Grant No. 0653236.

Student success strategies have also been observed by current ISU academic advisers and their input has added to these recommendations.

Tip #1: Complete the math sequence prior to transfer

Added success has been found among students who complete the math sequence at a single institution (e.g., prior to transferring). This assures continuity of delivery, class size, and coverage of material. Completing calculus I and II prior to transferring is recommended.

Tip #2: Earn good grades

Transfer credits are accepted with a grade of “C” or better; however, it is strongly recommended that students earn a grade of “B” or higher in their community college math, physics, and chemistry courses. This pre-transfer level of success will assist in building a strong base upon which students will build throughout the engineering curriculum.

Tip #3: Talk to your academic adviser early and often

Maneuvering through the transfer process can sometimes prove stressful for students. Consistent communication with an academic adviser can assist in achieving a smoother process. Community college academic advisers offer students their expertise on transferable courses as well as other resources. Close planning of pertinent coursework allows students to complete more engineering program requirements prior to transfer.
Tip #4: Complete “other” degree requirements

Iowa State’s College of Engineering has additional graduation requirements that can be completed prior to transfer. The foreign language requirement can be completed either by successfully completing two years of a single foreign language in high school or two semesters at a community college. In addition, among the general education/social science and humanities courses, Iowa State requires an international perspective course and a U.S. diversity course. Options for completing these classes at the community college are available and allow for more non-problem-solving classes to complete and transfer.

Tip #5: Join Iowa State’s E-APP program

The Engineering Admissions Partnership Program (E-APP) is a free program for Iowa community college students. The program offers many opportunities; perhaps the greatest advantage is that students who join E-APP are assigned an ISU engineering academic adviser. Students can contact their ISU adviser with academic questions and are encouraged to work with their adviser as they plan each semester’s class schedule. Advisers can be reached by phone, email, or a scheduled visit to their office. In addition, peer mentors also offer guidance and student perspectives to E-APP members.

Tip #6: Visit Iowa State’s campus

Acclimating to a new, larger campus can be an additional hurdle for transfer students. Visit opportunities are offered throughout the year for transfer students to come to campus to connect with faculty, staff, and other students - and learn more about their major and the resources available to them.

Tip #7: Explore engineering fields

Students who are working to complete the basic program requirements prior to transferring should also explore the various engineering programs to begin the decision process to declare a specific engineering major. A variety of ways to explore the fields are offered in this handbook.
Engineering Work Experience
Internships and Co-ops

Internships and co-ops are important because they offer great learning and professional development opportunities and they lead to increased employability. Employers want to see experiential work experience on resumes, and companies regularly use their internship programs as pipelines for hiring full-time employees.

Internships are so important that one of the goals of the College of Engineering is that all undergraduate students will have relevant engineering work-related experience prior to graduation. Experiential education combines classroom studies with supervised work experiences. Students are employed by industry, business, and government organizations in positions related to their major field of study. Students must be employed and compensated by the company they work for, not a third party agency. Students are able to complete the requirements for their bachelor’s degree while acquiring valuable practical work experience and demonstrated workplace skills.

The College of Engineering has three programs in which students can acquire practical work experience. Please see our quick reference guide on the following page for detailed program information. When registering an internship or co-op students will maintain full-time student status without paying tuition or fees. Registering an internship requires the completion of a small amount of paperwork and three easy to complete assignments.

Student Benefits

- Enhanced career exploration and clarification of career goals
- Practical work experience that supplements classroom learning
- A greater understanding and appreciation of educational needs and objectives
- An improved ability to apply knowledge and make connections between theory and practice
- Opportunities to develop interpersonal and group communication skills
- Professional networking opportunities and the establishment of professional contacts
- A greater sense of responsibility, self-confidence, and maturity
- Employment in an engineering capacity with appropriate compensation that helps to defray college expenses
**Student Benefits (cont.)**

- Hours worked as part of an educational institution supervised internship or co-op can be counted towards the work experience requirements needed to qualify for a professional engineering license. The student must register the work experience so it will appear on the college transcript.
- Maintain full-time student status without tuition and fees.

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**Quick Reference Guide – Practical Work Experience Opportunities**

**Cooperative Education, Internship and Summer Programs**

**Definitions**

**Cooperative Education**: alternating academic classes with periods of engineering related full-time work experience of approximately equal length. A minimum of two semesters and one summer is required.

**Internship**: A single work period of engineering related full-time employment of at least one semester or one semester plus one summer.

**Summer**: A single work period of engineering related full-time employment of at least 10 weeks.

**Benefits**

A co-op, internship or summer program is an opportunity for students to explore their interests and career options. These programs also give students a chance to see what a real world work experience is like and to learn job skills that cannot be taught in the classroom. Other benefits are:

- Increase competitive edge for full-time employment
- Enhance career exploration and clarification of professional goals
- Develop greater responsibility and self-confidence
- Improve interpersonal and communication skills
- Create a process of development, assessment, and continuous professional growth
- Maintain full-time student status without paying tuition or fees
- Work experience reflected on transcript

**General Information**

When registering for a co-op, intern or summer work experience you are signing up for an academic class. The following will apply:

- You will be considered a full-time student
- There are no tuition and fees while in the work place
- No academic credit given
- This is a Pass/Fail course
- There are three academic requirements that **MUST** be completed to receive a passing grade on your transcript

**Quick Facts**

- The average starting salary for engineering interns is $2700 a month ($17/hour).
- Collectively, LSU engineering interns earned $9,400,000 in the 2007-2008 academic year.
- All work experiences must be paid to qualify as an internship, co-op or summer program
- All students must be compensated and employed by the direct employer and not a third-party agency

**Imagine the Opportunities**

[Engineering Career Services website](#)
Choosing an Engineering Major
Resources: Choosing an Engineering Major

Transfer students are encouraged to explore engineering majors prior to their transfer in order to declare a specific major upon arrival to the College of Engineering. Once the basic program is successfully completed, students move into program-specific courses, which are often designated only for major-declared students.

Iowa State University’s College of Engineering offers 12 engineering degree programs, listed below. Suggestions offered below can guide students in exploring the varying degree programs and identifying the programs they find most interesting.

- Aerospace Engineering
- Agricultural Engineering
- Biological Systems Engineering
- Chemical Engineering
- Civil & Environmental Engineering
- Computer Engineering
- Construction Engineering
- Electrical Engineering
- Industrial Engineering
- Materials Engineering
- Mechanical Engineering
- Software Engineering

1. A few engineering programs are heavily chemistry-based. If a student is particularly interested in chemistry, he/she may consider looking into: chemical engineering; environmental engineering (offered within the civil engineering program); or materials engineering.

2. Students should consider their interest level in the business-related aspects of engineering. The most business-based engineering major is industrial engineering; construction engineering also deals with many business aspects of the construction world.

3. Reviewing the four-year program plans allows students to see the types of classes each major requires. Further research can be accomplished by using the online catalog to look up specific course descriptions. Students may look for particular classes that most appeal to them.

4. Each engineering department’s website highlights current research and areas of focus. By familiarizing themselves with a department’s research, students can get a better idea of what types of interest areas fall within each degree program.
Each of the following sections includes academic adviser contact information for the department; a four-year plan for the varying tracks within majors; and a list of accepted general education social science/humanities (GenEd/SSH) courses for the degree program. GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.
Aerospace Engineering

**Department website:**  [www.aere.iastate.edu](http://www.aere.iastate.edu)

**Academic Advisers:**
Cameron Rayburn  [crayburn@iastate.edu](mailto:crayburn@iastate.edu)
Katrina Williams  [katrinaw@iastate.edu](mailto:katrinaw@iastate.edu)

**Four-Year Plan**

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

Current list of approved GenEd/SSH electives.
Agricultural and Biological Systems Engineering

Department website: www.abe.iastate.edu

Academic Advisers:
Lindsay Diers ldiers@iastate.edu
Tamara Kerns tkerns@iastate.edu

Four-Year Plans
Agricultural Engineering: Agriculture Power and Machinery Engineering Option
Agricultural Engineering: Agricultural & Environmental Systems Engineering Option

Four-Year Plans
Biological Systems Engineering: Bioenvironmental Engineering Option
Biological Systems Engineering: Food Engineering Option
Biological Systems Engineering: Pre-Professional and Pre-Graduate Option
Biological Systems Engineering: Biorenewable Resources Engineering Option

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

Current list of approved Agricultural Engineering GenEd/SSH electives.
Current list of approved Biological Systems Engineering GenEd/SSH electives.
Chemical and Biological Engineering

Department website:  www.cbe.iastate.edu

Academic Advisers:
Brenda Kutz  bkutz@iastate.edu
Shannon Grundmeier  shannong@iastate.edu

Four-Year Plan

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

See the current list of approved electives for CBE beginning on page 9 of this linked document: GenEd/SSH electives.
Civil, Construction & Environmental Engineering

Department website: [www.ccee.iastate.edu](http://www.ccee.iastate.edu)

**Academic Advisers:**
Civil, Construction, Environmental Engineering: Wendy Robinder [wendyr@iastate.edu](mailto:wendyr@iastate.edu)
Civil Engineering: Traci Goldberg [tracig@iastate.edu](mailto:tracig@iastate.edu)
Civil Engineering: Jenny Simba [jpsimba@iastate.edu](mailto:jpsimba@iastate.edu)
Construction Engineering: Kristin Mauro [kmauro@iastate.edu](mailto:kmauro@iastate.edu)

**Four-Year Plans**
- Four-Year Plan for Civil Engineering: General Program
- Four-Year Plan for Civil Engineering: Environmental Specialization
- Four-Year Plan for Construction Engineering: Building Emphasis
- Four-Year Plan for Construction Engineering: Electrical Emphasis
- Four-Year Plan for Construction Engineering: Heavy/Highway Emphasis
- Four-Year Plan for Construction Engineering: Mechanical Emphasis

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

Current list of approved [GenEd/SSH courses for Civil and Environmental Engineering](#).

Construction Engineering (all emphases) accepts the following GenEd/SSH courses:
- 3 credits from the following: Psych 101/230/250/280 or Soc 134
- 3 credits from the following: Econ 101 or 102
- 3 credits to meet the university international perspective requirement
- 3 credits to meet the university U.S. diversity requirement
Electrical and Computer Engineering and Software Engineering

Department website: [www.ece.iastate.edu](http://www.ece.iastate.edu)

**Academic Advisers:**
- Computer/Electrical/Software: Vicky Thorland-Oster  [vlthorl@iastate.edu](mailto:vlthorl@iastate.edu)
- Computer/Electrical: Carrie Graves-Warden  [cgraves@iastate.edu](mailto:cgraves@iastate.edu)
- Computer/Software: Deb Martin  [dlmartin@iastate.edu](mailto:dlmartin@iastate.edu)
- Electrical: Tony Moore  [awmoore@iastate.edu](mailto:awmoore@iastate.edu)
- Computer/Electrical: Cindy Sheehy  [lasheehy@iastate.edu](mailto:lasheehy@iastate.edu)

Four-Year Plans
- Electrical Engineering
- Computer Engineering
- Software Engineering

GenEd/SSH course lists are maintained by each individual department—some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

Current approved [GenEd/SSH electives](#).
Current list of GenEd/SSH electives [NOT approved](#).
Industrial and Manufacturing Systems Engineering

Department website: [www.imse.iastate.edu](http://www.imse.iastate.edu)

Academic Advisers:
Devna Popejoy-Sheriff [devna@iastate.edu](mailto:devna@iastate.edu)
Kelsey Smyth [ksmyth@iastate.edu](mailto:ksmyth@iastate.edu)

Four-Year Plan

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

See the current list of approved electives for IMSE beginning on page 33 of this linked document: [GenEd/SSH electives](#).
Materials Science and Engineering

**Department website:** [www.mse.iastate.edu](http://www.mse.iastate.edu)

**Academic Advisers:**
- Andrea Klocke  aklocke@iastate.edu
- Shannon Grundmeier  shannong@iastate.edu

**Four-Year Plan**

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

See the current list of approved electives for MSE beginning on page 9 of this linked document: [GenEd/SSH electives](#).
Mechanical Engineering

Department website:  www.me.iastate.edu

Academic Advisers:
John Wagner  jdwagner@iastate.edu
Jill Batten  jbatten@iastate.edu
Kevin Osgerby  osgerby@iastate.edu
Jessica Van Winkle  jessica@iastate.edu
Johna Wolfe  jswolfe@iastate.edu

Four-Year Plan

GenEd/SSH course lists are maintained by each individual department - some each academic year, some less often. We recommend course selections be discussed with a department academic adviser who can confirm the course will be accepted toward degree requirements.

See the current list of approved electives for ME beginning on page 29 of the Undergraduate Student Handbook found on this linked page: GenEd/SSH electives.