Welcome

Welcome and thank you for recruiting at the University of Illinois at Urbana-Champaign, College of Engineering! This Recruiters Resource Guide includes information to assist you in your recruiting efforts through Engineering Career Services (ECS).

ECS helps connect employers and students through on-campus interviews, job postings, career fairs, a résumé database, workshops, and alumni mentoring programs. ECS serves all engineering and computer science students, as well as students receiving degrees in physics, mathematics, and statistics. Chemistry and chemical engineering majors are recruited through the Chemical Sciences Placement Office http://scs.illinois.edu/ (217-333-1050). However, these students may also register with ECS and interview along with other engineering students through the ECS Office.

The best way to reach engineering students is through our online job system, I-Link, located at http://engineering.illinois.edu/careers. Registration, on-campus recruiting scheduling and job posting services are available at no cost through the I-Link system.

We look forward to helping you to make the most of your recruiting efforts at Illinois. Please contact any member of our team if you have questions or need assistance.

The Engineering Career Services Team

Amy Fruehling, Director, afruehli@illinois.edu
Lauren Stites, Senior Assistant Director, lstites@illinois.edu – Student advising
Lynnell Lacy, Assistant Director, lynnell@illinois.edu – Student advising
Kristina Wright, Assistant Director, wrightk@illinois.edu – Student advising
Deon Robin, Assistant Director, dnrobin@illinois.edu – Employer Engagement
Katherine Darr, Senior Recruiting Coordinator, kdarr@illinois.edu – I-Link for employers, on-campus recruiting
Donna Shubert, Recruiting Coordinator, shubert@illinois.edu – Career fair, career partner program
Elaine Goss, Administrative Assistant, egoss@illinois.edu – Receptionist, office management, general student and employer questions

Engineering Career Services
Suite 3270 Digital Computer Lab, MC 270
1304 West Springfield Avenue
Urbana, IL 61801
engineering.illinois.edu/ecs
Phone: (217) 333-1960
Fax: (217) 244-4456
Recruiting Principles & Guidelines for Employment Offers and Acceptances

We endorse the National Association of Colleges and Employers’ principles for professional conduct and the policies of the University of Illinois Career Services Council. (Full text may be reviewed at http://www.naceweb.org/principles/ and http://hireillini.com/recruitment-policies/, respectively.) These principles provide a framework for professional relationships among colleges/universities, employing organizations, and candidates. The principles follow from three basic precepts for career planning, placement, and recruitment:

- All parties benefit when there is open and free selection of employment opportunities in an atmosphere conducive to objective thought, i.e., where job candidates can choose optimum long-term uses of their talents that are consistent with personal objectives and all relevant facts;
- All parties benefit when the recruitment process is fair and equitable; and
- All parties benefit when candidates make informed and responsible decisions.

If you must rescind an offer, you shall contact the students and appropriate career services office immediately. Internship or full-time offer reneges are a serious breach of the student use agreement; should this occur, please contact the appropriate career services office immediately.

All employers should extend offers in writing and be prepared to exhibit written offers to the appropriate career services office. Illinois does not condone the use of exploding offers or any other practice that puts unreasonable pressure on student. These offers do not afford a candidate the appropriate amount of time to either accept or decline and put enormous pressure on students to make a decision before they have completed the interviewing process. We understand that firms need to know their hiring needs prior to the start of recruiting, however, it is in the firm’s and students’ best interest if students are granted ample time to make informed decisions.

<table>
<thead>
<tr>
<th>Offers resulting from:</th>
<th>For:</th>
<th>Cannot expire before:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internships or Co-ops</td>
<td>Full-time conversion offers OR extension of internship offers resulting from previous internship/co-op.</td>
<td><strong>October 1</strong> or three weeks after the offer is made, whichever comes later.</td>
</tr>
<tr>
<td>Fall Interviews</td>
<td>Full-time or internship offers</td>
<td><strong>December 1</strong> or three weeks after the offer is made, whichever comes later.</td>
</tr>
<tr>
<td>Spring Interviews</td>
<td>Full-time or internship offers</td>
<td><strong>April 1</strong> or three weeks after the offer is made, whichever comes later.</td>
</tr>
</tbody>
</table>

On occasion, students may request an extension beyond the dates given. Each request should be considered on a case by case basis, and be accommodated if possible. Please feel free to reach out to a member of the Recruiting Team to discuss any questions or concerns related to this policy. The possibility of negotiating decision deadlines should be clearly stated to students at the time the offer is made for both full-time and internship positions.
2015-2016 Recruiting Calendar

**Fall Semester 2015**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
</tr>
<tr>
<td>Consulting Forum</td>
<td>September 4</td>
</tr>
<tr>
<td>Labor Day - No Classes</td>
<td>September 7</td>
</tr>
<tr>
<td>ECS Career Fair</td>
<td>September 9-10</td>
</tr>
<tr>
<td>On-Campus Recruiting *</td>
<td>September 14 – December 9</td>
</tr>
<tr>
<td>Business Career Fair</td>
<td>September 16-17</td>
</tr>
<tr>
<td>Employment Expo</td>
<td>September 21-22</td>
</tr>
<tr>
<td>Civil and Environmental Engineering Job Fair</td>
<td>September 24</td>
</tr>
<tr>
<td>Thanksgiving Break</td>
<td>November 23-27</td>
</tr>
<tr>
<td>Reading Day</td>
<td>December 10</td>
</tr>
<tr>
<td>Final Exams</td>
<td>December 11-18</td>
</tr>
<tr>
<td>Winter Break</td>
<td>December 19 – January 18</td>
</tr>
</tbody>
</table>

**Spring Semester 2016**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes resume</td>
<td>January 19</td>
</tr>
<tr>
<td>ECS Career Fair</td>
<td>February 9–10</td>
</tr>
<tr>
<td>On-Campus Recruiting*</td>
<td>February 15–May 4</td>
</tr>
<tr>
<td>Business Career Fair</td>
<td>February 3–4</td>
</tr>
<tr>
<td>Employment Expo</td>
<td>February 18</td>
</tr>
<tr>
<td>Civil and Environmental Engineering Job Fair</td>
<td>February 25</td>
</tr>
<tr>
<td>Illini Career and Internship Fair</td>
<td>March 9</td>
</tr>
<tr>
<td>Engineering Open House</td>
<td>March 11–12</td>
</tr>
<tr>
<td>Research Park Career Fair</td>
<td>March 15</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 21–25</td>
</tr>
<tr>
<td>ECS Employer Reception</td>
<td>TBD</td>
</tr>
<tr>
<td>Illinois Recruiter’s Forum</td>
<td>April 12</td>
</tr>
<tr>
<td>Reading Day</td>
<td>May 5</td>
</tr>
<tr>
<td>Final Exams</td>
<td>May 6–13</td>
</tr>
<tr>
<td>Commencement</td>
<td>May 15</td>
</tr>
</tbody>
</table>

*On-campus recruiting dates: Although official on-campus recruiting is held during these dates, positions may be posted on the online job board at any time. In addition, interview rooms are available outside on-campus recruiting dates upon request, with exception of career fair weeks.

Please note that there are no “officially defined” midterm exam periods, and different courses may have different exam schedules.
WELCOME TO ENGINEERING CAREER SERVICES

CHECK-IN:

On the morning of your interview day, you will either park at a PayByPhone meter in a campus lot or a coin meter on the street (parking information below). Recruiters will check-in in room 3300 Digital Computer Laboratory (DCL) which is third floor, east side. We will have iPads available for you to enter your check-in information, including making your lunch selection (lunch is only offered during official OCR recruiting dates), if you haven’t already submitted a pre-registration form. All lunch orders need to be placed prior to check-in (or before the 9:30am deadline day of interview, no exceptions).

PARKING:

You can choose from several parking options:

- **PayByPhone**: This is the most convenient option. No more coins or pay & display receipts! Call the number on the meter from your cell phone. Or you can Download the free app, or use the mobile web (paybyphone.com). PayByPhone users love the text message reminders as well as the ability to add more time from anywhere without having to rush back to the meter. Other great features include email receipts (ideal for submitting travel expenses), managing your account online, and adding multiple vehicles.

- **Metered parking**: Metered parking is available throughout campus, including on the streets adjacent to DCL (Springfield Avenue and Mathews Avenue). Additional visitor meters are located in the University Avenue parking deck B4 or on the south side of the permit lot B1. All metered parking is $1.00 per hour. A change machine is available in Grainger Library.

- **Other options**: Hampton Inn Hotel and the Illini Union Hotel both offer complimentary parking to hotel guests and are within a 5-minute walk to DCL. Holiday Inn Express Hotel and Eastland Suites also offer complimentary parking and shuttle service, and are located about 10 minutes from the Engineering campus.

PRINTED SCHEDULES:

Our office has gone paperless. We no longer provide a paper copy of the schedules and resumes. You will be able to access your schedules and resumes two days prior to your interview day in I-Link (http://engineering.illinois.edu/careers). For Room Only reservations, please be prepared to hand us a copy of your updated interview schedule at check-in or feel free to email them to Katherine Darr at kdarr@illinois.edu.
TRAVEL INFORMATION

All College of Engineering interviews scheduled through ECS are held in our 39-room interview suite in room 3300 Digital Computer Laboratory (DCL), located at 1304 W. Springfield Avenue in Urbana, IL.

- DCL is located 4 blocks west of Lincoln Avenue on the north side of the street, across from the Grainger Engineering Library, at the corner of Springfield and Mathews Avenue.
- Engineering Career Services is located within DCL in the southeast corner of the building on the 3rd floor

DRIVING INSTRUCTIONS TO DCL (DIGITAL COMPUTER LAB) & ECS

ADDRESS:
1304 W. Springfield Avenue (corner of Springfield & Mathews)
Urbana, IL 61801
(217) 333-1960

From I-74

- Take Lincoln Avenue (exit 183) from I-74
- Travel south on Lincoln Avenue to Springfield Avenue and turn right
- DCL is located 4 blocks west of Lincoln Avenue on the north side of the street
- ECS is located within DCL in the southeast corner of the building on the 3rd floor in Suite 3270

From I-72

- As you arrive in Champaign, I-72 becomes University Avenue
- Follow University Avenue to the second traffic light at Mattis Avenue and turn right
- Follow Mattis Avenue south to Springfield Avenue and turn left
- Follow Springfield Avenue east for approximately 4 miles
- DCL is located across the street from the Grainger Engineering Library, at the corner of Springfield and Mathews Avenue
- ECS is located within DCL in the southeast corner of the building on the 3rd floor in Suite 3270

From I-57

- Exit at the University Avenue exit and follow the directions from I-72

HOTELS

*The following hotels are within walking distance of DCL or provide shuttle service to campus. Please note that Engineering Career Services does not endorse specific hotels. For a complete listing of local accommodations, please visit [http://engineering.illinois.edu/corporations/travel-information](http://engineering.illinois.edu/corporations/travel-information).
**Hampton Inn**  
1200 W. University Avenue, Urbana  
Reservations: (217) 337-1100

**Amenities:**
- Double room
- Located 3 blocks north of DCL and ECS
- High speed wireless internet access throughout hotel
- Indoor pool, exercise room, and spa
- Free parking
- Complimentary hot breakfast
- Adjacent to Perkins restaurant

**Illini Union Hotel**  
1401 W. Green Street, Urbana  
Reservations: (217) 333-1241

**Amenities:**
- Single room
- Located 2 blocks south of DCL and ECS
- Free parking
- Access to food court and cafes
- Conference rooms available

**TownePlace Suites by Marriott**  
524 East Green Street, Champaign  
Reservations: (217) 344-1600 (Ask for recruiter rate $129/$139)

**Amenities**
- Queen/King studio suites or One bedroom suites with fully equipped kitchens
- Ample well-lit work desk, personalized voicemail and free high speed Internet access
- Oversized windows in every suite to enhance natural lighting
- Sundry/Convenience store and free breakfast
iHotel & Conference Center

1800 S. First Street, Champaign, IL
Reservations: www.stayatthei.com or 217/819-5000
Recruiters visiting campus for University events can request a discounted University rate of $109. You must book at https://reservations.ihotelier.com/istay.cfm?hotelid=15044&rateplanid=539822 or call the I Hotel Sales Office at (217) 819-5484 to request the discounted rate.

Amenities:
- AAA Four Diamond Quality Standards
- Complimentary luxury transportation services to/from Willard Airport and campus buildings
- High speed internet access
- 24-hour Business Suite
- Onsite full-service restaurant and coffee bar

Holiday Inn Express Hotel & Suites

1001 Killarney Street, Urbana
Reservations: (217) 328-0328

Amenities:
- Onsite fitness center
- High speed internet access
- Indoor pool and hot tub
- Complimentary continental breakfast
- Onsite Business Center
- Free campus shuttle services

Other hotels in the Champaign-Urbana area:
- Best Western
- Country Inn and Suites by Carlson
- Courtyard by Marriott
- Hawthorn Suites by Hyatt
- Hilton Garden Inn
- Holiday Inn
- Homewood Suites by Hilton

AIRPORTS

The University of Illinois is serviced by the University of Illinois Willard Airport (CMI) and three major carriers: American Airlines, Delta, and Northwest Airlines. For flight information, please visit their website at www.flycmi.com.

Willard is located approximately 5 miles southwest of campus. It offers a variety of transportation options, including a mass transit shuttle and taxi service.
Other major airports within a 160-mile radius of Champaign-Urbana include Chicago O’Hare (ORD), Chicago Midway (MDW), Bloomington, IL (BMI), and Indianapolis (IND).

**CAR RENTAL**

On-site car rental is available at Willard Airport from the following providers:

- Avis - (217) 359-5442
- Budget - (217) 378-8584
- Hertz - (217) 359-5413
- National/Enterprise - (217) 359-5259

**I-LINK INSTRUCTIONS**

I-Link is located at [http://engineering.illinois.edu/careers](http://engineering.illinois.edu/careers). I-Link is a free service provided by Career Service Offices and is the primary source for posting all full-time, co-op, and internship employment for undergraduate and graduate students within the College of Engineering. On-campus recruiting activities are communicated to students through I-Link. Positions may be posted for alumni and recent graduates, as well.

If at any time you experience difficulties using the system, please contact the ECS office at (217) 333-1960 or ecs@engr.illinois.edu.

**DIRECTIONS TO POST A NON-OCR JOB:**

To enter job descriptions:

Click “Jobs” tab which is located across the top blue location bar
This puts you at the “Job Postings (non-OCR)” tab
Click “+ Add New” button
Click “Post to This School Only”
Proceed to fill out required information
Click “Submit” button when complete

To view resume submissions:

Click “Jobs” tab which is located across the top blue location bar
Click on “Student Resumes (non-OCR)” tab
Click the student’s name you would like to view and here you can view the student’s resume
Or you can select a specific job under the “Position” pull down to see only those applicants for that position

**Please note that you will automatically receive resumes via e-mail once the posting has expired if you selected this option on the job posting form when you posted the position.**

*All of the following instructions assume that you have already signed on to the I-Link system.*
To request On-Campus Recruiting Interview schedule(s):

- Click on the “On-Campus Recruiting (OCR)” tab (located across the top blue location bar)
- Click on the “Schedules” tab
- Click the “Request A Schedule” button
- Click the appropriate Recruiting Session
- Fill in the information and click “Submit” button

To attach a position to an OCR Schedule:

You will receive an e-mail to attach a position once your request has been approved in I-Link.

- Click on the “On-Campus Recruiting (OCR)” tab
- Click on the Schedules tab
- Click on the interview date you are attaching a position for
- Click the “Create/attach positions” button
- Click the “Copy/create A New position” button
- Fill in the information and click “Save & Finish” button or if you choose to attach another job to the same schedule, click the “Save & Attach Another” button

To preselect student applicants:

- Click on the On-Campus Recruiting (OCR) tab
- Click on Positions tab and select the position you are choosing candidates for
- Click on Applicants tab
- To preselect a student, click the “status” drop down button and select Invited, Alternate, or Not Invited.
- To preselect a student who is not on the list, type in a few letters of the student’s name and click Search, then check the box next to the student’s name, and click the Status button

To view interview schedules:

- Click on On-Campus Recruiting (OCR) tab
- Click on Schedules tab
- Click the box to the left of the interview date you need
- Click on “View Interview Schedule” on left side under ‘Tasks’
- You can e-mail the students on your schedule and print their documents from this page

To request an Information Session:

- Click on the Events tab
- Click on the Info Sessions tab
- Click on Add New
- Complete this form and click Submit

You will be contacted by our Senior Recruiting Coordinator to confirm the details of your event.

Most Information Sessions coordinated by ECS are held in the Illini Union rooms. Catering and AV equipment are available at an additional charge by making arrangements through the Illini Union staff. If you schedule a company Information Session through another campus office or at a non-campus facility, please provide ECS with the details so we can post the information online and help promote your event to students.
**ENGINEERING STUDENTS & ALUMNI RESUME BOOK**

*(note: third party recruiters/staffing agencies do not get access to the resume books)*

To access Resume Book in I-Link:

- Sign on to the I-Link system at [https://engineering.illinois.edu/careers](https://engineering.illinois.edu/careers)
- Select the Resume Book tab (along the top blue location bar)
- Scroll down page to Engineering Students & Alumni and click to open
- Click the Advanced Resume Search tab to sort by grad date, major, etc.
- *Email Blasts* can be sent by clicking the + symbol to highlight students and then click on Mail to Checked tab. Enter the information you would like students to know about and click continue.

**ECS CAREER PARTNER PROGRAM**

The ECS Career Partner Program is a unique opportunity for companies seeking to strengthen their relationships with students, to support ECS efforts in preparing students for a successful career, and to expand their presence on campus.

**Sponsorship**

Your investment in our office enables us to enhance the technology, programs, and resources we provide for the more than 10,000 graduate and undergraduate students our office serves. The additional resources that your gift provides means that we will be able to better prepare our students to be valuable and effective employees.

**Contribution**

The annual sponsorship contribution depends on the level selected. The sponsorship year begins on July 1st of each year and ends on June 30th of the following year.

Your contribution will be receipted by the University of Illinois Foundation. Your receipt will reflect the fair market value of the goods and services received in exchange for your sponsorship.

**Program Packages**

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ORANGE</th>
<th>BLUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early registration for Career Fair</td>
<td>1 table at Career Fair</td>
<td>1 table at Fall Career Fair</td>
</tr>
<tr>
<td>Desired Placement at Career Fair</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Information Session hosted in Digital Computer Lab</td>
<td>1 Information Session in Fall</td>
<td>1 Information Session in Spring</td>
</tr>
<tr>
<td>Preferred registration / dates for on-campus interviews</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Free parking during on-campus interviews</td>
<td>1 Hang Tag per Interview Room</td>
<td>1 Hang Tag per Interview Room</td>
</tr>
<tr>
<td>Investment</td>
<td>$3500</td>
<td>$6500</td>
</tr>
</tbody>
</table>


**ECS Spring 2016 Engineering Career Fair/Startup Career Fair**

ECS Career Fair is Tuesday and Wednesday, February 9 and 10, 2016  
Startup Career Fair is Thursday, February 11, 2016

This career fairs are open to University of Illinois at Urbana-Champaign students and alumni only. It is for all engineering and computer science grads, undergrads, and alumni seeking full-time positions, internships, or co-ops.

For additional information please go to: [http://ecs.engineering.illinois.edu/career-resources/career-fairs/](http://ecs.engineering.illinois.edu/career-resources/career-fairs/).

**COLLEGE OF ENGINEERING DEPARTMENTS**

As one of the leading engineering schools in the world, the College of Engineering attracts the best and brightest students from across the state, the nation and the world.

At Illinois, you can choose from among 15 top-ranked degree programs in 12 engineering departments. Several minors and dual-degree programs offer even more opportunities to explore your interests.

- Aerospace Engineering - [aerospace.illinois.edu](http://aerospace.illinois.edu)
- Agricultural and Biological Engineering - [aces.illinois.edu](http://aces.illinois.edu)
- Bioengineering - [bioengineering.illinois.edu](http://bioengineering.illinois.edu)
- Chemical & Biomolecular Engineering - [chbe.illinois.edu](http://chbe.illinois.edu)
- Civil and Environmental Engineering - [cee.illinois.edu](http://cee.illinois.edu)
- Computer Engineering - [ece.illinois.edu](http://ece.illinois.edu)
- Computer Science - [cs.illinois.edu](http://cs.illinois.edu)
- Electrical Engineering - [ece.illinois.edu](http://ece.illinois.edu)
- Engineering Physics - [physics.illinois.edu](http://physics.illinois.edu)
- General Engineering - [ise.illinois.edu](http://ise.illinois.edu)
- Industrial Engineering - [ise.illinois.edu](http://ise.illinois.edu)
- Materials Science and Engineering - [matse.illinois.edu](http://matse.illinois.edu)
- Mechanical Engineering/Engineering Mechanics - [mechanical.illinois.edu](http://mechanical.illinois.edu)
- Nuclear, Plasma, and Radiological Engineering (NPRE) - [npre.illinois.edu](http://npre.illinois.edu)

ECS provides career management services and resources to the following undergraduate and graduate programs. Additional program information is available online at [http://www.engineering.illinois.edu](http://www.engineering.illinois.edu).

- Aerospace Engineering
- Agricultural & Biological Engineering
- Bioengineering
- Chemical & Biomolecular Engineering
- Civil & Environmental Engineering
- Computer Science
- Electrical & Computer Engineering
- Financial Engineering-MSFE
- General Engineering
- Geology
- Industrial & Enterprise Systems Engineering
### Engineering Department Guide

<table>
<thead>
<tr>
<th>Department &amp; Contact Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aerospace Engineering</strong>&lt;br&gt;306 Talbot Laboratory&lt;br&gt;104 S. Wright Street, MC-236&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-2651&lt;br&gt;www.ae.illinois.edu&lt;br&gt;e-mail: <a href="mailto:aerospace@illinois.edu">aerospace@illinois.edu</a></td>
<td>Aerospace Engineers are involved in all phases of research, development, integration, and production of aerospace systems, and have chief responsibility for the design and performance of aircraft and spacecraft and their propulsion systems. Study areas include propulsion, aerodynamics, fluids, flight mechanics and avionics, heat transfer, structures, cost analysis, reliability, survivability, maintainability, operations research, marketing, or airspace management.</td>
</tr>
<tr>
<td><strong>Agricultural &amp; Biological Engineering</strong>&lt;br&gt;338 Agricultural Engineering Sciences Building&lt;br&gt;1304 W. Pennsylvania Avenue, MC-644&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-3570&lt;br&gt;www.abe.illinois.edu&lt;br&gt;e-mail: <a href="mailto:abe@illinois.edu">abe@illinois.edu</a></td>
<td>Agricultural and Biological Engineers apply scientific and engineering principles to agricultural and food production systems; natural resources; environmental protection and control for plants, animals, and humans; and related biological systems. They develop technologies and apply management strategies to increase agricultural productivity, generate renewable energy, and provide a sustainable environment. Technical Systems Management graduates are technically competent businesspeople. Study areas include Power and Machinery, Soil and Water, Structures and Environment, Electric Power and Processing, and Food and Bioprocess Engineering.</td>
</tr>
<tr>
<td><strong>Bioengineering</strong>&lt;br&gt;3120 Digital Computer Laboratory&lt;br&gt;1304 W. Springfield Avenue, MC-278&lt;br&gt;Urbana, IL 61801&lt;br&gt;www.bioengineering.illinois.edu&lt;br&gt;e-mail: <a href="mailto:bioengineering@illinois.edu">bioengineering@illinois.edu</a></td>
<td>Bioengineers apply the analytical and experimental methods of engineering with the biological and medical sciences to achieve a more detailed understanding of biological phenomena and to develop new techniques and devices. Areas include Biosignals, Systems, Control, &amp; Modeling Electronics, Imaging, Cellular and Molecular Microengineering, Computational Biology, Biomaterials, Biomechanics, Biomolecular Engineering, Cell and Tissue Engineering, and Premedical.</td>
</tr>
<tr>
<td>Chemical &amp; Biomolecular Engineering</td>
<td>Chemical Engineers study and practice the transformation of substances at large scales for the tangible improvement of the human condition. Such transformations are executed to produce other useful substances or energy, and lie at the heart of vast segments of the chemical, petroleum, pharmaceutical, and electronic industries. Biomolecular engineering is a subset of chemical engineering focusing on biological applications. Areas of focus and research include Materials Synthesis and Processing, Semiconductor Processing, Nanotechnology, Drug Delivery, Tissue Engineering and Microsystem Fabrication.</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>Civil and Environmental Engineers have the key responsibility for the design and construction of the nation's civil and marine infrastructure (e.g. buildings, bridges, offshore structures, highway systems, airports, energy transport systems, dams-locks-levees-canals, all water treatment and distribution systems, all aspects of environmental management, pollution prevention and remediation). Because civil &amp; environmental engineers receive a broad education, they frequently find successful employment outside of engineering in business, law, and research fields. Concentration areas include Construction Engineering and Management, Construction Materials Engineering, Environmental Engineering, Geotechnical Engineering, Environmental Hydrology and Hydraulics, Structural Engineering, and Transportation Engineering. Ranked #1 nationally.</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Scientists design, implement, and analyze computing systems, with an emphasis on software systems ranging from embedded software to information systems to interactive systems. Main study areas include Software Architecture Foundations, Numerical Analysis, Hardware, and Artificial Intelligence.</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>Electrical and Computer Engineers design, construct, and maintain products and services and perform research to create new ideas, particularly in the areas of electrical and electronic equipment and computer systems. Speciality areas include Power and Energy Systems, Physical and Quantum Electronics, Circuits, Analog and Digital Sound Processing, Bioengineering and Acoustics, Electromagnetics and Optics, Communications, Control Systems, and Space Science and Remote Sensing.</td>
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### Industrial & Enterprise Systems Engineering

<table>
<thead>
<tr>
<th>Details</th>
<th>Description</th>
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<tbody>
<tr>
<td>117 Transportation Building</td>
<td>Enterprise Systems Engineers work to solve real world problems through the integration of engineering and business principles. They are often technical people who can manage budgets and projects and lead other people. Industrial Engineers work to improve quality and productivity, solving problems through a systems approach. They often serve as a link between engineering and management. Concentrations include Operations Research, Quality Control, and Human Factors. Secondary fields allow for greater specialization.</td>
</tr>
<tr>
<td>104 S. Mathews Avenue, MC-238 Urbana, IL 61801</td>
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<tr>
<td>(217) 333-2731</td>
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<tr>
<td><a href="http://www.ise.illinois.edu">www.ise.illinois.edu</a></td>
<td></td>
</tr>
<tr>
<td>e-mail: <a href="mailto:ise@illinois.edu">ise@illinois.edu</a></td>
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### Materials Science & Engineering

<table>
<thead>
<tr>
<th>Details</th>
<th>Description</th>
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<tbody>
<tr>
<td>201 Materials Science and Engineering Building</td>
<td>Materials Science Engineers develop new types of metal alloys, ceramics, plastics, composites, and other materials. They also adapt existing materials to new uses by changing the properties and performance of materials. Areas include Metals, Ceramics, Electronic Material, Biomaterial, and Polymers.</td>
</tr>
<tr>
<td>1304 W. Green Street, MC-246 Urbana, IL 61801</td>
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<tr>
<td>(217) 333-1441</td>
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<tr>
<td><a href="http://www.matse.illinois.edu">www.matse.illinois.edu</a></td>
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</tr>
<tr>
<td>e-mail: <a href="mailto:matse@illinois.edu">matse@illinois.edu</a></td>
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### Mechanical Science & Engineering

<table>
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<tbody>
<tr>
<td>140 Mechanical Engineering Building</td>
<td>All students in Mechanical Science &amp; Engineering apply mathematical, scientific, and engineering principles to study forces acting on bodies of solid or fluid material, and the resulting dynamic motion of those bodies. Mechanical Engineers use these principles to design and control machines that create motion, apply loads, transport matter and energy, and convert one form of energy to another. Engineering Mechanics and Theoretical &amp; Applied Mechanics students are deeply grounded in these basic principles, and are able to use them to solve a broad range of problems in solid mechanics, fluid mechanics, and dynamics. Specializations include Solid Mechanics, Fluid Mechanics, Experimental Mechanics, Computational Mechanics, and Mechanics of Materials.</td>
</tr>
<tr>
<td>1206 W. Green Street, MC-244 Urbana, IL 61801</td>
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<tr>
<td>(217) 333-1176</td>
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<tr>
<td><a href="http://www.mechanical.illinois.edu">www.mechanical.illinois.edu</a></td>
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</tr>
<tr>
<td>e-mail: <a href="mailto:mechse-ss@illinois.edu">mechse-ss@illinois.edu</a></td>
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### Nuclear, Plasma & Radiological Engineering

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<tbody>
<tr>
<td>214 Nuclear Engineering Laboratory</td>
<td>Nuclear, Plasma, and Radiological Engineers research and develop processes, instruments, and systems that derive benefits from nuclear energy and radiation. Study areas include Nuclear Power, Nuclear Safety and Reliability, Environmental Applications of Nuclear Technology, Nuclear Fusion, Plasma Engineering and Applications, Radiological Engineering and Applications, and Instrumentation and Process Control.</td>
</tr>
<tr>
<td>103 S. Goodwin Avenue, MC-234 Urbana, IL 61801</td>
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<tr>
<td>(217) 333-2295</td>
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<tr>
<td><a href="http://www.npre.illinois.edu">www.npre.illinois.edu</a></td>
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<tr>
<td>e-mail: <a href="mailto:nuclear@illinois.edu">nuclear@illinois.edu</a></td>
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</table>
Physicists perform and apply research to develop solutions to problems of national importance or of significant commercial value by improving existing products, processes, and instruments or by creating new ones. Studies include Nuclear and Elementary Particle Physics, Condensed Matter Physics, Biomolecular Physics, and Astrophysics. Applied physics areas include Applied Nuclear Physics, Bioengineering, Fluids and Plasma, Optical Physics and Lasers, Physical Electronics, and Systems Analysis and Control Theory.

### Engineering Student Organizations

#### Engineering Council
Engineering Council is the students’ voice in the College of Engineering and is designed to help serve the needs of the engineering student body. Engineering Council consists of an executive board that oversees 13 committees and over 50 professional and honorary societies. For more information and links to the following student organizations, visit [http://ec.illinois.edu/inv/societies.php](http://ec.illinois.edu/inv/societies.php)

#### Aerospace Engineering
- American Institute of Aeronautics/Astronautics
- IL Space Society
- Women in Aerospace
- Design, Build, Fly
- Illinois Robotics in Space
- Cubesat
- AE Undergrad Advisory Board

#### Agricultural & Biological Engineering
- Alpha Epsilon
- American Society of Agricultural Engineers

#### Bioengineering
- Engineering in Medicine and Biology Society

#### Chemical & Biomolecular Engineering
- American Institute of Chemical Engineers
- Chemical Engineering Graduate Student Advisory Council
- Omega Chi Epsilon, Chemical Engineering Honorary Society
- Tau Beta Pi, Engineering Honor Society
- National Organization of Black Chemists & Chemical Engineers

#### Civil & Environmental Engineering
- American Concrete Institute
- American Railway Engineering and Maintenance-of-Way Association
- American Society of Civil Engineers
- American Society for Engineering Education
- Concrete Canoe Team
• Construction Management Association of America
• Deep Foundations Institute
• Earthquake Engineering Research Institute
• Emerging Green Builders
• Geotechnical Engineering Student Organization
• International Association for Hydraulic Research
• Institute of Transportation Engineers
• International Water Resources Association
• Structural Engineers Association

College of Engineering
• Alpha Omega Epsilon (Engineering Sorority)
• Tau Beta Pi
• National Society of Black Engineers
• Society of Hispanic Professional Engineers
• Society of Women Engineers
• National Organization for Business and Engineering
• Office for Technical Consulting Resources
• Engineers Without Borders
• IAESTE
• Illinois Outreach Society

Computer Science
• Association for Computing Machinery
• !BANG
• Women in Computer Science
• Computer Science Graduate Student Organization
• The Latino/a Computer Science Club
• Graduate Student Academic Council

Electrical & Computer Engineering
• Institute of Electrical and Electronics Engineers
• Women in Electrical and Computer Engineering
• Eta Kappa Nu

Industrial & Enterprise Systems Engineering
• Gamma Epsilon
• Illinois Society of General Engineers
• Alpha Pi Mu
• Institute of Industrial Engineers
• Illinois Systems and Entrepreneurial Engineering Graduate Organization

Materials Science & Engineering
• Keramos
• Material Advantage

Mechanical Science & Engineering
• American Society of heating, Refrigeration and Air Conditioning Engineers
• American Society of Mechanical Engineers
• Pi Tau Sigma
• Society for Experimental Mechanics
• Society of Automotive Engineers

**Nuclear, Plasma & Radiological Engineering**
• American Nuclear Society
• Women in Nuclear

**Physics**
• Physics Society
• Society of Women in Physics
• Physics Van