**Welcome**

Welcome and thank you for recruiting at the University of Illinois 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 (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](http://engineering.illinois.edu/careers). Registration and job posting services are available at no cost on the system, and you can also schedule On-Campus Recruiting (OCR) through the 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. And once again, thank you for choosing to recruit at Illinois!

**The Engineering Career Services Team**

Lauren Stites, Senior Assistant Director, Interim Assistant Dean & Director, [lstites@illinois.edu](mailto:lstites@illinois.edu)

Jennifer Ehrnthaller, Assistant Director, [jenehrn@illinois.edu](mailto:jenehrn@illinois.edu)

Jerome Ng, Assistant Director, [jeromeng@illinois.edu](mailto:jeromeng@illinois.edu)

Keely Ashman, Recruiting Assistant, [kashman@illinois.edu](mailto:kashman@illinois.edu)

Heather Glanzer, Recruiting Coordinator, [hglanzer@illinois.edu](mailto:hglanzer@illinois.edu)

Elaine Goss, Administrative Assistant, [egoss@illinois.edu](mailto:egoss@illinois.edu)

Engineering Career Services

Suite 3270 Digital Computer Lab, MC 270
1304 West Springfield Avenue

Urbana, IL 61801

[www.engr.illinois.edu/ecs](http://www.engr.illinois.edu/ecs)

Phone: (217) 333-1960

Fax: (217) 244-4456
**RECRUITING PRINCIPLES & GUIDELINES**

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/principles.html](http://www.naceweb.org/principles/principles.html) and [http://www.careerservices.uiuc.edu/aboutus/policies.asp](http://www.careerservices.uiuc.edu/aboutus/policies.asp), 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.

The following Guidelines have been established to support these principles and to ensure that undue pressure is not placed on students by employing organizations. We recognize that students should have the opportunity to investigate all employment options of interest to them when making their career decisions.

**Full-time positions**

Offers for full-time positions made to **students who did not intern with the firm** may be extended anytime during the fall and spring on-campus recruiting periods. Offers extended during the fall semester will not expire before December 1. Offers extended during the spring semester will not expire before May 1.

Offers for full-time positions made to any **previous intern with the firm** may be extended anytime after the internship begins. To give students an opportunity to explore alternative employment opportunities, such offers will not expire before December 1. Signing bonuses and other incentives associated with these offers may expire beginning October 1.

**Internships**

Summer internships: Interviews may take place during the fall and/or spring on-campus recruiting periods. Offers extended in the fall semester will not expire before December 1. Offers extended in the spring semester will not expire before April 1.

Semester internships: Interviews may take place during the spring on-campus recruiting period, no more than one year in advance of the internship. Interviews may also take place in the fall on-campus recruiting period immediately preceding the internship. Offers extended during the fall semester will not expire before November 1. Offers extended during the spring semester will not expire before May 1.

**Please note that to keep the lines of communication open with students, 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.**
IDENTIFYING CANDIDATES & RAISING AWARENESS

Many companies have found that coming to campus helps to improve the success of their recruiting efforts. If you are interested in visiting the campus, you can choose from a number of opportunities to identify potential candidates and to raise awareness of your company.

<table>
<thead>
<tr>
<th>Opportunity</th>
<th>Dates</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment Expo</td>
<td>Fall: September 23-25</td>
<td>Career fair sponsored by Engineering Council, a student group in the College of Engineering. This event is held at the Illini Union, and more than 1,000 students attend each day. Limited on-site interview space is available upon request. <a href="http://expo.ec.illinois.edu/">http://expo.ec.illinois.edu/</a></td>
</tr>
<tr>
<td></td>
<td>Spring: February 10-11</td>
<td></td>
</tr>
<tr>
<td>ECS Engineering Career Fair</td>
<td>Fall: September 9-10</td>
<td>Career fair sponsored by Engineering Career Services for internship, co-op, and full-time positions. More than 1,000 students attend each day. Limited on-site interview space is available. <a href="http://engineering.illinois.edu/careers">http://engineering.illinois.edu/careers</a></td>
</tr>
<tr>
<td></td>
<td>Spring: February 18-19</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering Fair</td>
<td>Fall: September 26 Spring:</td>
<td>Career fair for civil engineering students sponsored by the Department of Civil &amp; Environmental Engineering. Participation by invitation only. <a href="http://cee.illinois.edu/jobfair">http://cee.illinois.edu/jobfair</a></td>
</tr>
<tr>
<td></td>
<td>(generally held in February)</td>
<td></td>
</tr>
<tr>
<td>Company presentations</td>
<td>Select based on your schedule</td>
<td>Presentation by company representatives scheduled by your recruiting team. Company presentations are an excellent opportunity to promote your company to students and to share information about available positions and recruiting dates. To schedule a presentation, visit <a href="http://www.illinoisengineeringjobs.com">www.illinoisengineeringjobs.com</a> or contact our office at (217) 333-1960.</td>
</tr>
<tr>
<td>Student organizations</td>
<td>Various</td>
<td>Presentation, workshop, or other activity hosted by your company in conjunction with a student organization. Student organizations often seek corporate representatives to participate, present, speak, and/or lead activities for their members. This is another great opportunity to promote your company to students with a specific interest. <a href="http://ec.illinois.edu/inv/societies.php">http://ec.illinois.edu/inv/societies.php</a></td>
</tr>
<tr>
<td>(Additional information on student organizations appears near the end of the guide.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student career development activities</td>
<td>Various/multiple</td>
<td>Workshops, seminars, and other activities sponsored by Engineering Career Services that provide opportunities for students to develop their recruiting and career skills. Opportunities include participating in resume reviews, mock interviews, recruiting workshops, and other activities. To learn more about available opportunities, contact ECS at (217) 333-1960 or <a href="mailto:ecs@engr.illinois.edu">ecs@engr.illinois.edu</a>.</td>
</tr>
</tbody>
</table>
# 2013-2014 RECRUITING CALENDAR

## Fall Semester 2013:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 16-November 14</td>
<td>On-campus recruiting*</td>
</tr>
<tr>
<td>August 26</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 2</td>
<td>Labor Day-No Classes</td>
</tr>
<tr>
<td>September 9-10</td>
<td>ECS Fall Engineering Career Fair</td>
</tr>
<tr>
<td>September 23-25</td>
<td>Fall Engineering Expo</td>
</tr>
<tr>
<td>September 26</td>
<td>Civil Engineering Fair</td>
</tr>
<tr>
<td>November 25-29</td>
<td>Thanksgiving Break</td>
</tr>
<tr>
<td>December 13-20</td>
<td>Final exams</td>
</tr>
</tbody>
</table>

## Spring Semester 2014:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 21</td>
<td>Classes resume</td>
</tr>
<tr>
<td>February 3-March 21</td>
<td>ECS On-campus recruiting Season*</td>
</tr>
<tr>
<td>February 4-5</td>
<td>Business Career Fair</td>
</tr>
<tr>
<td>February 10-11</td>
<td>Engineering Employment Expo</td>
</tr>
<tr>
<td>February 18-19</td>
<td>ECS Spring Engineering Career Fair</td>
</tr>
<tr>
<td>February 27</td>
<td>Civil Fair</td>
</tr>
<tr>
<td>March 18</td>
<td>All Campus Career Fair</td>
</tr>
<tr>
<td>March 22-28</td>
<td>Spring Break</td>
</tr>
<tr>
<td>April 2</td>
<td>Research Park Fair</td>
</tr>
<tr>
<td>April 10</td>
<td>Recruiting Forum</td>
</tr>
<tr>
<td>May 9-16</td>
<td>Final exams</td>
</tr>
<tr>
<td>Commencement</td>
<td>May 18</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.

Also, please note that there are no “officially defined” midterm exam periods, and different courses may have different exam schedules.
**USING I-LINK - ONLINE JOB SYSTEM**

[http://engineering.illinois.edu/careers](http://engineering.illinois.edu/careers)

I-Link is a free service provided by most 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](mailto:ecs@engr.illinois.edu).

**Getting Started**

New user account set-up:

Go to [http://engineering.illinois.edu/careers](http://engineering.illinois.edu/careers)

- Click on the “Employer” icon on the left side of the screen
- Complete a corporate profile, as prompted by the system

Returning user login to I-Link:

- Go to [www.engineering.illinois.edu/careers](http://www.engineering.illinois.edu/careers) Sign in using your username and password

To enter/update information in I-Link:

- Sign on to the system
- Select **Edit Registration Information** on the left side of the page
- Click the **Submit** button at the bottom of the page when complete

**On-Campus Recruiting**

All of the following instructions assume that you have already signed on to the system.

To request on-campus interview date(s)/schedule(s):

- For *interviews*, click on **Schedule On-Campus Interviews** on left side of the page
- Fill in the information and click the **Submit Form** button
- For *company presentations*, click on **Schedule Company Info Session**
- You will receive an e-mail when your request has been approved

To enter a job description:

- You will receive an e-mail to enter your job description once your reservation(s) for your visit has been entered into the I-Link system
- Click on the link under **Delegate Job Positions**
- Either add a position that has already been entered in Box 2 under **Add Positions**, OR create a new job description under **Add Job Description**
If you create a new job description, click the box **Add Qualifications to Apply** to enter any applicable qualifications.

Click the **Preview then Post Job** button at the bottom of the page.

Review the description and click **Post this Job** button.

To preselect student applicants:

- Click on the link under **Interview Applications**
- View a student’s resume by clicking on the name
- To preselect a student, click the radio button and select **preselect, alternate, or not selected**
- Click the **Update** button
- 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 **Add to Schedule** button
- To preselect a student not in the EASE database, please contact the ECS office at (217) 333-1960

To view interview schedules:

- Under the **Upcoming Events** section, click on the title of your interviews and click **View Schedule**
- You can e-mail the students on your schedule and print their documents from this page

** Please note that you will receive a packet with your printed schedule and student resumes when you arrive on campus for your interviews. Also, interview schedules are subject to change up to four days in advance of the schedule.

**System-Only Job Postings** (NON-OCR Job posting)

To enter job descriptions:

- Click on **Post a Job/Internship for online Job Board** on the left side of the page
- Complete the online form and click the **Add Qualifications to Apply** button to enter your criteria
- When complete, click the **Preview then Post Job** button at the bottom of the page
- Review the description and then click the **Post this Job** button

To view resume submissions:

- On the welcome page, scroll down and your job titles will be listed
- Under students applied, click the number
- Click the student’s name you would like to view and here you can view the student’s resume

** 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.
Information Session Requests: Option 1 and Option 2

Information Sessions (presentations) are a great way to introduce your company to campus or provide information for students who are interviewing with your company. Information Sessions can be designed for specific majors, degree levels or as a general session to provide information about your company or positions that are available. Information Sessions can be requested through I-Link (formerly Symplicity). I-Link is a free service provided to employers by Engineering Career Services. On-campus recruiting activities are communicated to students through I-Link.

To request an Information Session:

- If you are not a registered user please follow [https://engineering.illinois.edu/careers](https://engineering.illinois.edu/careers) to register.
- Once registered, Click on the Employer Home Page that reads "Schedule Company Info Session." After completing this form, you will be contacted by our Recruiting Coordinator, Heather Glanzer to confirm the details of your event. Our Recruiting Coordinator will discuss options (attachment link to Option 1 & 2) that are available and make the request to the appropriate venue.

**Most Information Sessions are held in Illini Union conference rooms or at the Digital Computer Laboratory (DCL) in Rm 2240. Catering and AV equipment are available at an additional charge. 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.**

On-Campus Recruiting Logistics

There are three [interview schedule templates](#) available:

- Preselect 30-minute schedule: interviews begin at 8:30 a.m. and end at 4:15 p.m.
- Preselect 45-minute schedule: interviews begin at 8:30 a.m. and end at 4:15 p.m.
- Preselect 60-minute schedule: interviews begin at 8:30 a.m. and end at 4:30 p.m.

Lunch and coffee breaks are automatically built into each schedule template. We are happy to work with you to customize your interview schedule to your specifications if the template schedules do not meet your needs, but please note that the interview suite hours are 8:00 a.m. to 6:00 p.m. daily.

On the morning of your interviews, please [check in](#) with ECS staff in Suite 3270 of the Digital Computer Lab (DCL) to receive our interview room assignment and folder containing your schedule(s) and resumes. Interviews take place in the interview suite across the hall. During official on-campus recruiting dates, you have the option of ordering a boxed lunch for $10 to be delivered to the ECS office during the lunch hour. Orders must be placed by 9:30 a.m. the day of your interviews. Please check out in Suite 3270 DCL when your interviews are complete.

Resume Books

Student resumes are available online and can be paid for via our online payment system at [https://my.engr.illinois.edu/ecs-resume-book](https://my.engr.illinois.edu/ecs-resume-book) There is an annual fee of $250 per company to receive and share unlimited access to the resume database for the academic year July 1st to June 30th. This fee is discounted once the spring semester begins – please contact the ECS office to find out the current rate. Users can search by degree, major, graduation date, resume keywords, and much more. Access to the database is provided through June 2014.
**TRAVEL INFORMATION**

All College of Engineering interviews scheduled through ECS are held in our 39-room interview suite adjacent to the ECS office at 3270 Digital Computer Lab, located at 1304 W. Springfield Avenue in Urbana.

**Driving Instructions to DCL (Digital Computer Lab) & ECS**

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

**Parking Information**

You can choose from several parking options:

- **Hang Tag parking:** We also offer hangtags to park all day at select University meters (meters in lot B4 and B1 with the “I” logo on them). You may purchase in the ECS office or online at https://my.engr.illinois.edu/ecs/kiosk/ for a $12 fee

- **Reserved parking:** (Bagged meter) Available near DCL with a 6 business day notice for a $15 fee. Reservations can be made online at http://my.engr.illinois.edu/ecs/parking using a major credit card. To confirm reservations, please contact ECS during business hours at (217) 333-1960.

- **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 are $1.00 per hour, and a change machine is available in the ECS office.

- **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.
• **Career Fair parking**: Parking for ECS Engineering Career Fairs held at the Illini Union is available at **ORANGE** bagged meters near the Illini Union and is complimentary for participating companies.

**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

*iHotel & Conference Center*
1800 S. First Street, Champaign, IL
Reservations: [www.stayatthei.com](http://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](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
THE COLLEGE OF ENGINEERING
ECS provides career management services and resources to the following undergraduate and graduate programs:

- 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
- Materials Science & Engineering
- Mechanical Science & Engineering
- Nuclear, Plasma & Radiological Engineering
- Physics
- Theoretical Engineering
## Estimated Enrollment by Curriculum, 2012-2013

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Undergrad 2012</th>
<th>Grad 2012</th>
<th>Undergrad 2013</th>
<th>Grad 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>356</td>
<td>132</td>
<td>410</td>
<td>124</td>
</tr>
<tr>
<td>Agricultural &amp; Biological Engineering</td>
<td>115</td>
<td>70</td>
<td>93</td>
<td>68</td>
</tr>
<tr>
<td>Bioengineering</td>
<td>187</td>
<td>72</td>
<td>208</td>
<td>68</td>
</tr>
<tr>
<td>Chemical &amp; Biomolecular Engineering</td>
<td>539</td>
<td>105</td>
<td>668</td>
<td>100</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>791</td>
<td>558</td>
<td>775</td>
<td>626</td>
</tr>
<tr>
<td>Computer Science</td>
<td>947</td>
<td>439</td>
<td>1040</td>
<td>474</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>1860</td>
<td>473</td>
<td>1961</td>
<td>494</td>
</tr>
<tr>
<td>Financial Engineering</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Engineering</td>
<td>368</td>
<td></td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>Industrial &amp; Enterprise Systems Engineering</td>
<td>223</td>
<td>65</td>
<td>258</td>
<td>67</td>
</tr>
<tr>
<td>Materials Science &amp; Engineering</td>
<td>384</td>
<td>187</td>
<td>410</td>
<td>192</td>
</tr>
<tr>
<td>Mechanical Science &amp; Engineering</td>
<td>936</td>
<td>296</td>
<td>966</td>
<td>328</td>
</tr>
<tr>
<td>Nuclear, Plasma &amp; Radiological Engineering</td>
<td>190</td>
<td>67</td>
<td>171</td>
<td>68</td>
</tr>
<tr>
<td>Physics</td>
<td>177</td>
<td>254</td>
<td>197</td>
<td>255</td>
</tr>
<tr>
<td>Theoretical &amp; Applied Mech.</td>
<td>51</td>
<td></td>
<td>58</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7,073</strong></td>
<td><strong>2,869</strong></td>
<td><strong>7,477</strong></td>
<td><strong>3,020</strong></td>
</tr>
</tbody>
</table>

*Total includes students in programs administered jointly with other colleges

Additional program information regarding undergraduate and graduate programs of study is available online at [http://www.engineering.illinois.edu](http://www.engineering.illinois.edu).
## 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><strong>Chemical &amp; Biomolecular Engineering</strong>&lt;br&gt;114 Roger Adams Laboratory&lt;br&gt;600 S. Mathews Avenue, MC-712&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 244-9214&lt;br&gt;<a href="http://www.chbe.illinois.edu">http://www.chbe.illinois.edu</a>&lt;br&gt;<a href="mailto:chemeng@illinois.edu">chemeng@illinois.edu</a></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>Department &amp; Contact Information</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| **Civil & Environmental Engineering**  
1114 Newmark Civil Engineering Laboratory  
205 N. Mathews Avenue, MC-250  
Urbana, IL 61801  
(217) 333-8038  
www.cee.illinois.edu  
e-mail: civil@illinois.edu | 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 & 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. |
| **Computer Science**  
2232 Siebel Center for Computer Science  
201 N. Goodwin Avenue, MC-258  
Urbana, IL 61801  
(217) 333-3426  
www.cs.illinois.edu  
e-mail: admin@cs.illinois.edu | 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. |
| **Electrical & Computer Engineering**  
155 Everitt Laboratory  
1406 W. Green Street, MC-702  
Urbana, IL 61801  
(217) 333-2300  
www.ece.illinois.edu  
e-mail: ecehead@ece.illinois.edu | 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. Specialty 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. |
| **Industrial & Enterprise Systems Engineering**  
117 Transportation Building  
104 S. Mathews Avenue, MC-238  
Urbana, IL 61801  
(217) 333-2731  
www.ise.illinois.edu  
e-mail: ise@illinois.edu | 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. |
<table>
<thead>
<tr>
<th>Department &amp; Contact Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Materials Science &amp; Engineering</strong>&lt;br&gt;201 Materials Science and Engineering Building&lt;br&gt;1304 W. Green Street, MC-246&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-1441&lt;br&gt;www.matse.illinois.edu&lt;br&gt;e-mail: <a href="mailto:matse@illinois.edu">matse@illinois.edu</a></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><strong>Mechanical Science &amp; Engineering</strong>&lt;br&gt;140 Mechanical Engineering Building&lt;br&gt;1206 W. Green Street, MC-244&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-1176&lt;br&gt;www.mechanical.illinois.edu&lt;br&gt;e-mail: <a href="mailto:mechse-sso@illinois.edu">mechse-sso@illinois.edu</a></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><strong>Nuclear, Plasma &amp; Radiological Engineering</strong>&lt;br&gt;214 Nuclear Engineering Laboratory&lt;br&gt;103 S. Goodwin Avenue, MC-234&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-2295&lt;br&gt;www.npre.illinois.edu&lt;br&gt;e-mail: <a href="mailto:nuclear@illinois.edu">nuclear@illinois.edu</a></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><strong>Physics</strong>&lt;br&gt;211 Loomis Laboratory of Physics&lt;br&gt;1110 W. Green Street, MC-704&lt;br&gt;Urbana, IL 61801&lt;br&gt;(217) 333-3760&lt;br&gt;www.physics.illinois.edu&lt;br&gt;e-mail: <a href="mailto:physdept@physics.illinois.edu">physdept@physics.illinois.edu</a></td>
<td>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.</td>
</tr>
</tbody>
</table>