

ENGINEERING PACKET

This guide is for students who plan to transfer and major in engineering. It contains the following information:

1. Sample Transfer Plan for engineering majors. This transfer guide meets the requirements for the Associate in Engineering Science (AES) degree and the Illinois Articulation Initiative's recommendations for Engineering major.
2. Information about engineering programs at the following schools in Illinois:
 - Bradley University
 - Illinois Institute of Technology
 - Northern Illinois University
 - Southern Illinois University Carbondale
 - Southern Illinois University Edwardsville
 - University of Illinois at Chicago
 - University of Illinois at Urbana-Champaign

Requirements change frequently; students are encouraged to check current information with their Academic Advisor or with the transfer school directly.

Final responsibility for verifying all transfer information lies with the student.

SAMPLE TRANSFER PLAN FOR ENGINEERING MAJORS

This guide is for students to transfer and major in business. Requirements change frequently, so please check current information with the Student Development Centers or with the school directly.

Transfer Notes

- A bachelor's degree in engineering is generally acceptable for beginning engineering jobs. Most engineering degrees are granted in branches such as electrical, mechanical, or civil engineering. However, engineers trained in one particular branch may work in another.
- Some colleges offer degrees in engineering technology which prepare students for practical design and production work rather than for jobs that require more theoretical scientific and mathematical knowledge. These technology degrees have course requirements that differ from the sample program shown below.

Course Placement Information

Placement in English and math is dependent upon ACT scores, previous courses or assessment scores.

Suggested Courses

This sample transfer planning guide meets the requirements of the A.E.S. degree and follows the Illinois Articulation Initiative engineering baccalaureate major recommendations. Students should have a strong background in mathematics and the physical sciences. Transfer institution requirements may vary-students should check individual college/university requirements before completing the sample plan as outlined. Baccalaureate admission may be competitive; completion of these courses does not guarantee admission.

First Semester

ENG 101 English Composition I	3
MTH 200 Calculus with Analytic Geometry I	5
Social and Behavioral Science – ECO 211 is recommended	3
CHM 121 General Chemistry I	5
EGR 100 Introduction to Engineering or other FYS course	1

Second Semester

ENG 102 English Composition II	3
MTH 201 Calculus with Analytic Geometry II	5
PHY 201 General Physics I: Mechanics	5
Engineering – See the AES Degree and transfer school information	3-4
<i>EGR 105 is recommended for all specializations. EGR 110 is recommended for Computer Engineering, Computer Sci, Egr Physics, Materials Sci, Electrical and Computer Engineering</i>	
<i>EGR 210 is recommended for Aerospace, Agricultural & Biological, Civil, Energy Management, Mechanical, Nuclear, Egr Mechanics, General, and Industrial Engineering</i>	

Third Semester

MTH 202 Calculus with Analytic Geometry III	5
PHY 202 General Physics II: Electricity and Magnetism	5
CSC 121 Computer Science I	4
Humanities and Fine Arts - See the AES Degree and transfer school information	3

Fourth Semester

MTH 212 Differential Equations	3
Engineering - See the AES Degree and transfer school information	5
<i>PHY 203 General Physics III Thermal & Quantum Physics recommended</i>	
Engineering - See the AES Degree and transfer school information	6
<i>EGR 211 is recommended for Aerospace, Agricultural & Biological, Civil, Energy Management, Mechanical, Nuclear, Egr Mechanics, General, and Industrial Engineering</i>	
<i>EGR 212 is recommended for Aerospace, Agricultural & Biological, Civil, Energy Management, Mechanical, Nuclear, Egr Mechanics, General, and Industrial Engineering</i>	
<i>EGR 240 is recommended for Chemical, Civil, Materials, Computer, Electrical, Egr Physics, Mechanical Engineering</i>	
<i>EGR 265 is recommended for Biological, Industrial, and Material Engineering</i>	

BRADLEY UNIVERSITY

Peoria, IL 61625

1-800-447-6460

www.bradley.edu

<https://www.bradley.edu/academic/colleges/egt/>

CONTACT

Office of Undergraduate Admissions

800-447-6460

309- 677-1000

admissions@bradley.edu

MAJORS

Civil Engineering (Environmental option)

Construction

Electrical Engineering (Computer option)

Industrial Engineering

Manufacturing Engineering

Manufacturing Engineering Technology (Design & Systems option)

Mechanical Engineering (Biomedical or Energy Concentration)

ADMISSION

The minimum grade point average for admission into Engineering is 2.5 (actual admission GPA may be higher for some majors). For Mechanical, Electrical, and Engineering Physics majors, demonstrated strength in math and science courses will be important. Applications of students with lower GPA's will be accepted and reviewed on an individual basis.

COURSES

To be directly admitted into Bradley's engineering majors, students must complete the following courses:

- MTH 200, 201, 202, 212
- CHM 121, 122
- PHY 201, 202, 203

Students who have not completed the courses above will not be admitted directly into their major and will need to complete those courses at Bradley.

RESOURCES

Civil Engineering Major Info - <https://www.bradley.edu/academic/departments/cec/major/civil-engineering/>

Construction Major Info - <https://www.bradley.edu/academic/departments/cec/major/construction/>

Electrical Engineering Info - <https://www.bradley.edu/academic/departments/ece/major/ee/>

Industrial Engineering Info - <https://www.bradley.edu/academic/departments/imet/major/ie/>

Manufacturing Engineering Info - <https://www.bradley.edu/academic/departments/imet/major/mfe/>

Manufacturing Engineering Technology Info - <https://www.bradley.edu/academic/departments/imet/major/met/>

Mechanical Engineering Info - <https://www.bradley.edu/academic/departments/me/major/me/>

PROGRAM INFORMATION

<https://www.bradley.edu/academic/undergradcat/20192020/>

ACCREDITATION

Accreditation Board for Engineering Technology (ABET).

ILLINOIS INSTITUTE OF TECHNOLOGY

Chicago, IL 60616

312-567-3000

<https://web.iit.edu/>

<https://engineering.iit.edu/>

CONTACT

Office of Admissions

312-567-3025

admission@iit.edu

MAJORS

Aerospace Engineering

Computer Engineering

Biomedical Engineering

Architectural Engineering (*may be completed on full-time basis only*)

Environmental Engineering

Chemical Engineering

Mechanical Engineering

Civil Engineering

Metallurgical & Materials Engineering

ADMISSION

Admission to the Illinois Institute of Technology is competitive. Transfer students must have completed at least 30 semester hours and have a minimum 3.0 GPA. D grades do not transfer to IIT.

Transfer applicants with less than 30 transferable credit hours must submit high school transcripts and ACT scores.

COURSES

Transfer Guides and course equivalencies can be found at: <https://web.iit.edu/ugaa/transfer-credits>

PROGRAM INFORMATION

Detailed program requirements as well as sample curriculum plans can be found on the Armour College of Engineering web page under Majors & Programs:

<https://www.iit.edu/engineering/programs>

ACCREDITATION

Accreditation Board for Engineering and Technology (ABET).

NORTHERN ILLINOIS UNIVERSITY

DeKalb, IL 60115

1-800-892-3050

815-753-2256

<https://www.niu.edu/>

<http://www.niu.edu/CEET/>

CONTACT

College of Engineering and Engineering Technology

590 Garden Rd, DeKalb, IL

815-753-1442

ceet@niu.edu

MAJORS

Electrical Engineering

Industrial and Systems Engineering

Mechanical Engineering

ADMISSION

Students are encouraged to complete as many of the required engineering courses with a 2.0 GPA at the community college before transferring to NIU. Early application is strongly suggested.

COURSES

Transfer guides for specific Harper courses can be found at: <https://www.niu.edu/ceet/admissions/transfer/transfer-guides.shtml>

Students may take EGR 100 at Harper. Otherwise NIU's UEET 101 must be taken during the student's first fall or spring term at Northern.

All engineering majors must meet the specific engineering general education requirements for the Accreditation Board for Engineering and Technology (ABET).

SAMPLE PLANS

<https://www.niu.edu/advising/your-advising-plan/degree-paths/2019-2020/engineering/index.shtml>

Guidelines for Students Transferring With an AA or AS:

- Transferring under the compact agreement, you will have fulfilled the university general education requirements. Although transfer students with A.A or A.S degree may already have completed the university's general education requirements as discussed in "Admission" in the Northern Illinois University Catalog, their course work must include a minimum of 18 semester hours in humanities, arts, social sciences, and interdisciplinary areas (*Please see the NIU Engineering Transfer Guide mentioned above*). The rationale behind this statement is that although ABET sequencing is no longer required, A.S or A.A students need to demonstrate 9 hours in humanities and arts, 6 hours in social sciences, and 3 hours in interdisciplinary studies.
- Refer to the transfer guide for Harper courses that transfer under the humanities and arts and the social sciences.

Guidelines for Students Transferring Without an AA or AS:

- You will be required to meet all NIU university general education requirements in addition to ensuring you have 18 hours in the humanities and arts and the social sciences. By combining the university general education information provided this transfer guide with the information that follows you will be able to minimize the course work necessary to meet all requirements. Because of the number of hours involved, some of this course work may need to be completed after transferring to NIU.
- You also must have a minimum of 6 hour sequences in the social sciences and a 3 hour course in interdisciplinary studies to bring you to the 18 hour total.

ACCREDITATION

Accreditation Board for Engineering and Technology (ABET).

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE

Carbondale, IL 62901

618-536-4405

<https://siu.edu/>

<https://engineering.siu.edu/>

CONTACT

College of Engineering

618-453-7789

Chris Pearson

Coordinator of Undergraduate Recruitment, College of Engineering

618-453-7712

cpearson@siu.edu

Jenise Wilson

Chief Academic Advisor

618-453-2261

jwilson@siu.edu

MAJORS

Civil Engineering (Environmental Specialization available)

Computer Engineering

Electrical Engineering (Computer Engineering Specialization available)

Engineering Technology (Electrical Specialization available)

Industrial Technology (Manufacturing Technology Specialization available)

Mechanical Engineering

ADMISSION

AA or AS degree completed

Students that have completed the AA or AS degree with a GPA of 2.0/4.0 will be automatically admitted to the engineering program.

26 hours or more completed

Students who have completed 26 semester hours and have an overall GPA of 2.0 (computing all earned grades including repeated courses) may be admitted directly into an engineering program.

Less than 26 hours completed

Students transferring with less than 26 semester hours must also have a 2.0 GPA on all college coursework, and must also meet the freshmen admission requirements (in which case high school records and ACT scores should be sent when applying).

COURSES

Transfer students entering an Engineering program (not Engineering Technology or Industrial Technology) with a transfer Associate Degree are not required to complete the SIUC University General Education requirements. However, each is required to complete the following minimum general requirements for engineering majors. Please note that students are advised to complete the calculus, chemistry and physics course sequences before transferring. Often times, students miss essential information when changing institutions if a sequence is interrupted.

- 15 semester hours of approved social sciences and humanities required by ABET accreditation.
- 6 semester hours of oral and written communications, which can include English composition and speech.
- Civil and mechanical engineering majors require 8 semester hours of university physics and 7 semester hours of chemistry. Electrical and computer engineering majors require 8 semester hours of physics and an additional 4 semester hours of modern physics or other approved science course. For Mining Engineering majors, 6 semester hours of natural sciences must be taken in geology (Harper's GEO 101 and SIUC's GEOL 390) in addition to the 8 hours of physics and chemistry (4 hours of physics and 4 hours of chemistry—one semester each).
- 17 semester hours of mathematics (beginning with Calculus I) are required.

If a student has less than a "C" grade in mathematics, science or engineering courses, he/she will need to repeat the course at SIUC.

PROGRAM INFORMATION

<https://catalog.siu.edu/programs/ce/>

Helpful Information for Engineering Transfer Students

Students who have not completed an AA or AS degree from a baccalaureate-oriented program must complete the University's Core Curriculum requirements.

Calculus I (**Harper's MTH 200**), II (**Harper's MTH 201**) and Mechanics (statics and dynamics—**Harper's EGR 210 and EGR 211**) are prerequisites for most junior-level mechanical, mining and civil engineering courses. (Statics and dynamics are not prerequisites for electrical or computer engineering courses).

Mechanical Engineering students are strongly encouraged to complete statics (**Harper's EGR 210**), dynamics (**Harper's EGR 211**), calculus III (**Harper's MTH 202**), and differential equations (**Harper's MTH 212**) prior to transfer.

A minimum of six semester hours of Statics (**Harper's EGR 210**) and Dynamics (**Harper's EGR 211**) are required for all engineering majors except Electrical and Computer Engineering.

If a transfer student lacks Calculus III (Math 251=**Harper's MTH 202**) and Differential Equations (Math 305=**Harper's MTH 212**) this should not create a problem since most of the junior-level courses do not require Math 251 or 305 as a prerequisite.

Transfer students may substitute an approved drafting course (CAD based) for (ENGR 102=**Harper's EGR 120 or EGR 121**) (Computer-Aided Engineering Drawing) or (ECE 101=**No Harper Equivalent**) (Intro to Electrical and Computer Engineering).

In some instances, a student may have a strong background in areas covered by the 300-level courses in an engineering curriculum, but the method of obtaining that background may not allow transfer credits, e.g. non-ABET accredited courses, military or vocational training. In such cases, a student may apply for and take proficiency examinations. A minimum grade of a "C" on the examination gives the student credit for the course.

Helpful Information for Engineering Technology (with Electrical Engineering Technology Specialization) Transfer Students

Prior to transfer, it is recommended that any student wishing to major in Engineering Technology complete mathematics through Applied Calculus to include **Harper's MTH 103, MTH 104, MTH 134** and Statistics (**Harper's MTH 165 or MTH 265**), the college physics sequence (**Harper's PHY 121 and PHY 122**), a computer science course in "C ++" language (**Harper's CIS 166 or CSC 211**) and technical report writing (**Harper's ENG 103**). Also, **Harper's ELT 103** is helpful to complete as SIU's equivalent course (ET245a) is only offered in the spring.

If students have less than a "C" grade in mathematics, science or engineering technology courses, they should be encouraged to repeat these courses either at SIUC or at the community college.

Transfer students in engineering technology with an AA or AS degree from an approved baccalaureate-oriented program are not required to complete the University's Core Curriculum requirements; however each is required to complete the following minimum general requirements for the engineering technology major:

- A. Fourteen semester hours of approved social sciences and humanities are required by ABET accreditation. Approved departmental courses in social sciences and humanities may be taken rather than University Core Curriculum courses.
- B. Nine semester hours of oral and written communications are required and can include English composition and speech.

Students who have not completed an AA or AS degree from a baccalaureate-oriented program must complete the University's Core Curriculum requirements.

In some instances, a student may have a strong background in areas covered by the 300-level courses in an engineering technology curriculum, but the method of obtaining that background may not allow transfer credit; e.g., military or vocational training. In such cases, a student may apply for and take proficiency examinations. A minimum grade of "C" on the examination gives the student credit for the course.

To avoid possible loss of transfer credit, students in an AA or AS program who are planning to enroll in Electrical Engineering Technology should avoid non-baccalaureate-oriented technical courses. Students planning to transfer to electrical engineering are strongly encouraged to complete an electrical circuits class with laboratory (**Harper's ELT 103**) before transferring to enable them to enroll in junior level electrical engineering technology courses.

Helpful Information for Industrial Technology Transfer Students

Transfer students in Industrial Technology with an Associate Degree from an approved baccalaureate-oriented program are not required to complete the University's Core Curriculum requirements. However, the Industrial Technology program accreditation requires as a minimum, nine semester hours of English composition, speech, social sciences and humanities.

Students with an associate in applied science degree from a regionally accredited institution may qualify for the Capstone Option. A special application is required for Capstone and must be submitted no later than the completion of the student's first semester in Industrial Technology at SIUC.

ACCREDITATION

Accreditation Board for Engineering and Technology (ABET). The Electrical Engineering degree has received the highest level of accreditation ABET awards.

MISCELLANEOUS

Harper has a compact agreement with Southern Illinois University.

SOUTHERN ILLINOIS UNIVERSITY-EDWARDSVILLE

Edwardsville, IL 62026

1-800-447-SIUE

<http://www.siu.edu/>

<http://www.siu.edu/engineering/>

CONTACT

School of Engineering

618-650-2541

618-650-2534 (Tonja-secretary)

Loen Graceson-Martin

Director

618-650-5300

lgraces@siue.edu

MAJORS

Civil Engineering

Construction Management

Computer Engineering

Computer Science

Electrical Engineering

Manufacturing Engineering

Industrial Engineering

Mechanical Engineering

ADMISSION

In order to be admitted to the School of Engineering, students must complete the following:

- College algebra with a C or better
- Minimum GPA required is 2.0/4.0
- 30 semester hours

Helpful courses to include as part of an AA, AS, or an AES for all Engineering students

- General chemistry (**Harper's CHM 121**)
- Calculus based physics I and II (**Harper's PHY 201 and PHY 202**)
- Calculus I, II, III (**Harper's MTH 200, MTH 201 and MTH 202**) and differential equations (**Harper's MTH 212**)
- Mechanics I and Mechanics II, or Statics/Dynamics (**Harper's EGR 120, 210, 211, 212**)
- **For Electrical and Computer Engineering take EGR 260 and EGR 270 (instead of EGR 120, 210, 211 and 212)**
- Macroeconomics (**Harper's ECO 212**)

Helpful courses to include as part of an AA, AS for Computer Science

- Calculus I and II (**Harper's MTH 200 and MTH 201**) and a math elective, such as Calculus III (**Harper's MTH 202**) or linear algebra (**Harper's MTH 203**)
- Discreet math (**Harper's MTH 220**) is helpful because students must take the course at SIUE
- Any combination of three lab science courses from general chemistry I and II (**Harper's CHM 121 and CHM 122**), calculus based physics I and II (**Harper's PHY 201 + PHY 202**) or biology with a lab (**Harper's BIO 110**) (courses have to be a pair of physics, or a pair of chemistry out of the combination)
- A course in C++ language (any C language based course) (**Harper's CIS 166 and CS 176**)

PROGRAM INFORMATION

<http://siue.edu/engineering/programs-departments/index.shtml>

ACCREDITATION

The Civil, Computer Science, Computer Engineering, Electrical, Industrial, Manufacturing and Mechanical Engineering B.S. programs are all ABET accredited. The Construction Management program is ACCE accredited.

UNIVERSITY OF ILLINOIS AT CHICAGO

Chicago, IL 60607

312-996-4350

<http://www.uic.edu/>

<http://engineering.uic.edu/>

CONTACT

College of Engineering

312-996-3463

MAJORS

Bioengineering

Chemical Engineering

Civil & Materials Engineering

Computer Engineering

Computer Science

Electrical Engineering

Engineering Management

Engineering Physics

Industrial Engineering

Mechanical Engineering

ADMISSION

The admission requirement to transfer into the College of Engineering is a minimum GPA of 2.5 (A=4.0) for Illinois residents and 2.75 for nonresidents. Both cumulative GPA, and the GPA for science, math, and engineering courses, must meet this requirement.

COURSES

All Engineering Majors Except Computer Science:

- ENG 101 and 102
- MTH 200, 201, 202, 212
- PHY 201 and 202
- CHM 121

Computer Science majors only

- ENG 101 and 102
- MTH 200, 201, 202
- 10 hours of lab science – choose from BIO 110, 120, 140, 115, 116; GEO 101 or 102; CHM 121, 122; PHY 201, 202

Students with the most courses completed at the time of application as well as the highest GPA will be given priority for admission.

CSC 121 and CSC 122

CSC 121 = UIC's CS 111

CSC 122 = UIC's CS 141

Computer Science majors need to take the equivalent to UIC's CS 109 or CS 111 prior to applying. The 2 course sequence at UIC is CS 109 or 111 and CS 141. Computer Science majors should have these done.

Students with the equivalent to UIC's CS 111 or 141 will need to take a 1 hour 5-week MatLab (CS 110) in order to get credit for CS 109. Electrical and Computer Engineering need CS 107 but will use CS 141 and will get credit for CS 107 (if short hours, will need to take additional hours at UIC in Electrical or CS).

Specific questions regarding CSC 121 and 122 transferring to UIC should be directed to UIC's College of Engineering Advising staff:

Elena Diaz – ddiaz2@uic.edu

Letreurna Owens – lowens2@uic.edu

Specific majors in the College of Engineering have varied requirements in chemistry, physics, and engineering courses. UIC recommends utilizing Transferology (www.transferology.com) to determine how your courses will transfer.

Although D grades transfer to UIC they will not be applied towards an Engineering degree.

TAG (TRANSFER ADMISSION GUARANTEE)

Transfer Admission Guarantee (TAG) – The TAG Program offers guaranteed admission into select undergraduate majors in the College of Engineering. Students who actively participate in the TAG Program receive advising and benefits that exceed those of a regular transfer student and a guaranteed admission opportunity. For detailed information, see your Harper academic advisor or counselor and refer to this website:

<http://tag.uic.edu>

- Apply for TAG participation no later than the first two weeks of your final year at Harper.
- Earn a minimum transfer GPA of 3.00 overall and in required major preparation courses
- Successfully complete the Harper equivalent of required courses
- Transfer to UIC within three years of signing the TAG participation form
- Meet with the Harper TAG representative and create a Transferology account (see <http://tag.uic.edu> for details)
- Apply to UIC in either February or September depending upon the semester you plan to enter UIC

Note: If you do not wish to be a TAG participant or do not qualify, UIC welcomes a regular transfer application.

PROGRAM INFORMATION

<https://catalog.uic.edu/ucatalog/degree-programs/degree-minors/>

ACCREDITATION

Bioengineering, Chemical, Civil, Computer Engineering, Electrical, Industrial, and Mechanical Engineering are accredited by the Accreditation Board for Engineering and Technology (ABET).

MISCELLANEOUS

University of Illinois at Chicago offers the Cooperative Engineering Education Program, which is a coordinated alternating work-and-study program.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Urbana, IL 61801

217-333-0302

<http://illinois.edu/>

<https://engineering.illinois.edu/>

CONTACT

Grainger College of Engineering

Undergraduate Programs

217-333-2280

MAJORS

Aerospace Engineering

Agricultural Engineering

Chemical Engineering (*see the College of Liberal Arts and Sciences*)

Civil and Environmental Engineering

Computer Engineering

Computer Science

Electrical Engineering

Engineering Mechanics

Engineering Physics

General Engineering

Industrial Engineering

Materials Science and Engineering

Mechanical Engineering

Nuclear, Plasma and Radiological Engineering

ADMISSION

All programs require a 3.0 technical and 3.0 cumulative GPA.

Overall GPA: Admitted Student Average by Major, Fall 2019

Aerospace Engineering, 3.77

Agricultural and Biological Engineering, 3.87

Civil Engineering, 3.86

Computer Engineering, 3.88

Computer Science, 3.84

Electrical Engineering, 3.86

Engineering Mechanics, 3.81

Engineering Physics, 3.77

Industrial Engineering, 3.85

Materials Science and Engineering, 3.78

Mechanical Engineering, 3.91

Nuclear, Plasma, and Radiological Engineering, 3.98

Systems Engineering and Design, 3.74

Admission is not guaranteed and depends upon the strength of the applicant pool and space available. **Courses being completed during the summer prior to fall admission will not be considered as part of the application review**

Students should always consult the Transfer Handbook: <http://admissions.illinois.edu/apply/Transfer/handbook>

Any transfer student who intends to complete a major, including a dual-degree, in The Grainger College of Engineering

COURSES

To be eligible for sophomore level admission, applicants are required to complete the following coursework:

- ENG 101 and 102
- CHM 121 and 122
- MTH 200 and 201
- PHY 201

Recommended Course:

ECO 211 or 212

To be eligible for junior level admission, applicants must have all sophomore level coursework and complete as much additional transfer coursework below, as possible.

Applicants with all required courses completed will be given priority.

AEROSPACE ENGINEERING

- MTH 202, 203, 212
- PHY 202 and 203
- EGR 210 and 211

Also recommended

- CSC 121 or CIS 106
- Foreign language

AGRICULTURAL AND BIOLOGICAL ENGINEERING

- MTH 202, 203, 212
- PHY 202 and 203
- EGR 210 and 211
- CSC 121 or CIS 106

Also recommended

- Foreign language

CIVIL ENGINEERING

- MTH 202, 203, 212
- PHY 202 and 203
- EGR 210, 211, 212
- CSC 121

Also recommended

- EGR 120
- Foreign language

COMPUTER ENGINEERING

CLOSED for sophomore admission

- MTH 202 and 212
- PHY 202 and 203
- MTH 220
- CSC 122
- EGR 110

Also recommended

- Foreign language

COMPUTER SCIENCE

CLOSED for sophomore admission

- MTH 202
- MTH 203
- PHY 202
- CSC 122
- MTH 220

Also recommended

- Foreign language

ELECTRICAL ENGINEERING

CLOSED for sophomore admission

- MTH 202 and 212
- PHY 202 and 203
- CSC 122
- MTH 220
- EGR 110

Also recommended

- Foreign language

ENGINEERING MECHANICS

- MTH 202
- PHY 202 and 203
- EGR 210, 211, 212
- CSC 121 or CIS 106

Also recommended

- Foreign language

ENGINEERING PHYSICS

- MTH 202 and 212
- PHY 202 and 203
- CSC 121 or CIS 106

Also recommended

- Foreign language

INDUSTRIAL ENGINEERING

- MTH 202 and 212
- PHY 202 and 203
- EGR 210, 211, 212
- CSC 121 or CIS 106

Also recommended

- EGR 120
- Foreign language

MATERIAL SCIENCE AND ENGINEERING

- MTH 202, 203, 212
- PHY 202 and 203
- CSC 121 or CIS 106

Also recommended

- Foreign language

MECHANICAL ENGINEERING

CLOSED for sophomore admission

- MTH 202 and 212
- PHY 202
- EGR 210, 211, 212
- CSC 121 or CIS 106

Also recommended

- Foreign language

NUCLEAR, PLASMA AND RADIOLOGICAL ENGINEERING

- MTH 202 and 212
- PHY 202 and 203
- EGR 210, 211
- CSC 121 or CIS 106

Also recommended

- Foreign language

SYSTEMS ENGINEERING AND DESIGN

- MTH 202 and 212
- PHY 202 and 203
- EGR 210, 211, 212
- CSC 121

Also recommended

- EGR 120
- Foreign language

PROGRAM INFORMATION

Aerospace Engineering

<http://catalog.illinois.edu/undergraduate/engineering/aerospace-engineering-bs/>

Agricultural and Biological Engineering

http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/

Civil Engineering

<http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/>

Computer Engineering

<http://catalog.illinois.edu/undergraduate/engineering/computer-engineering-bs/>

Computer Science

<http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs/>

Electrical Engineering

<http://catalog.illinois.edu/undergraduate/engineering/electrical-engineering-bs/>

Engineering Mechanics

<http://catalog.illinois.edu/undergraduate/engineering/engineering-mechanics-bs/>

Engineering Physics

<http://catalog.illinois.edu/undergraduate/engineering/engineering-physics-bs/>

Industrial Engineering

<http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/>

Materials Science and Engineering

<http://catalog.illinois.edu/undergraduate/engineering/materials-science-engineering-bs/>

Mechanical Engineering

<http://catalog.illinois.edu/undergraduate/engineering/mechanical-engineering-bs/>

Nuclear, Plasma, and Radiological Engineering

<http://catalog.illinois.edu/undergraduate/engineering/nuclear-plasma-radiological-engineering-bs/>

Systems Engineering and Design

<http://catalog.illinois.edu/undergraduate/engineering/systems-engineering-design-bs/>

FOREIGN LANGUAGE REQUIREMENT

All transfer applicants must have completed either two years of one foreign language in high school, or through the second level (2 semesters) of one foreign language in college prior to the desired term of entry. It is strongly encouraged that transfer applicants complete the foreign language graduation requirement before they transfer. For this UIUC college the graduation requirement is satisfied by the completion through the third year of one foreign language in high school, or through the third level (3 semesters) of one foreign language in college.

ACCREDITATION

Accreditation Board for Engineering and Technology (ABET)