

## UNIVERSITY of IL – Urbana/Champaign Transfer Planning Guide – ENGINEERING MAJORS

Use in tandem with the UIUC general transfer guide; 217/333-2280; [engineering@illinois.edu](mailto:engineering@illinois.edu)

### JUNIOR LEVEL TRANSFER STUDENT

**(60 or more hours completed by time student matriculates to UIUC)**

(see last page for sophomore level transfer student criteria)

**Please note:** Transfer students must apply and be admitted directly into Engineering at time of transfer to Illinois. Transfer students entering other colleges are not eligible for later admission/transfer to the Pre-Engineering Program (PREP) or Grainger COE.

- 1) This guide was created using the [UIUC Transfer Handbook](#) and [Academic Catalog](#). Please refer to the handbook and catalog for additional majors and specific details on the majors covered in this guide.
  - 2) **Courses being completed during the summer prior to fall admission will not be considered as part of the application review.**
  - 3) Applicants may select first and second choice majors, but are not able to list limited-capacity majors as both first and second choices. Computer Eng., Computer Science, Electrical, and Mechanical Engineering **are currently available as first choice options only.**
  - 4) For Junior level transfer complete as many courses and requirements listed below and courses marked with an R or SR on the next page in order to have the most competitive application for admission.
  - 5) **Chemical Engineering** is located in the College of Liberal Arts & Sciences. Sophomore level transfer is not available for **Computer Engineering, Computer Science, Electrical, and Mechanical Engineering.**
  - 6) See Engineering Transfer Handbook for more info: [http://admissions.illinois.edu/Content/docs/Handbook\\_ENG.pdf](http://admissions.illinois.edu/Content/docs/Handbook_ENG.pdf)
- Major courses may be used to satisfy general education requirements provided they are on the appropriate general education list.

**Required GPA: 3.0** (applies to both overall and technical)

For Fall 2022, the average transfer GPA for admitted students was 3.86 with the middle 50% of GPAs ranging from 3.78–4.00.

<b>MAJOR REQUIREMENTS</b>	
<b>All Majors</b>	<b>CHM 121:</b> Required for all majors. <b>CHM 123:</b> Agricultural & Biological Engineering, Bioengineering, Civil Engineering, Engineering Mechanics, Materials Science & Engineering, Mechanical Engineering. (Note: completion of CHM 123 is not strictly required for Computer, Electrical, it does provide one of the options of fulfilling a technical elective requirement) <b>CHM 222:</b> Bioengineering, Biological Engineering concentration <b>MTH 145, 146, 246</b> <b>PHY 123, 124</b> ECO 221 or 222: Recommended for all majors Computer programming course (see page 2 for recommendations based on major)
<b>Specific Majors</b>	See the Engineering program requirements chart on page 2; Chemical and Biomolecular Eng. are majors in LAS)
<b>GENERAL EDUCATION</b>	
<b>Composition I</b>	<b>(ENG 120 and (122 or 126)) OR (ENG 121 and (122 or 126))</b>
Advanced Comp.	Must be taken at UIUC
<b>Foreign Language</b>	There is no language requirement for transfer admission. For graduation, students will need to complete through 3 years in high school or through the 3 <sup>rd</sup> semester in college. Eligible courses are listed on the Campus Wide Gen Ed list. It is strongly recommended that transfer applicants complete this graduation requirement prior to the term of enrollment at the University of Illinois. Students fluent in a language other than English may take a proficiency exam once on campus.
<b>Liberal Education Requirement</b>	
(includes campus Gen Education requirements in the humanities, social sciences, and cultural studies)	
Electives from the campus General Education Social and Behavioral Sciences list.	6
Electives from the campus General Education Humanities and the Arts list.	6
Electives either from a list approved by the college, or from the Gen Ed lists for Social & Behavioral Sciences or Humanities and the Arts.	6
Students must also complete the campus cultural studies requirement by completing (i) one western/comparative culture(s) course, (ii) one non-western culture(s) course, and (iii) one U.S. Minority Culture(s) course from the General Education cultural studies lists. <b>Most students select liberal education courses that simultaneously satisfy these cultural studies requirements.</b> Courses from the western, non-western, and U.S. Minority lists that fall into free electives or other categories may also be used satisfy the cultural studies requirements.	
<b>Total Hours</b>	<b>18</b>

## ENGINEERING PROGRAM REQUIREMENTS

**NOTE: Chemical Engineering** is located in the College of Liberal Arts & Sciences. Sophomore level transfer is not available for **Computer Engineering, Computer Science, Electrical, and Mechanical Engineering.**

	<b>MTH 225</b> UIUC MATH 225	<b>MTH 227</b> UIUC MATH 284	<b>MTH 244</b> UIUC CS 173	<b>PHY 221</b> UIUC PHYS 214	<b>EGR 121</b> UIUC ME 170	<b>EGR 125 + 225</b> UIUC TAM 211 & 212	<b>EGR 222</b> UIUC TAM 251	<b>EGR 260<sup>3</sup></b> UIUC ECE 205	<b>MCS 240</b> Comp Org & Arch	<b>Computer Programming</b>	
										<b>MCS 142</b> UIUC CS 225	<b>CIT 134</b> UIUC CS 101 or <b>MCS 140, 141, CIT 141 or 142</b> UIUC CS 124
<b>Aerospace Engineering</b>	SR	SR			SR	SR		SR			SR
<b>Agricultural &amp; Biological Engineering</b>	SR	SR			SR	SR	For A.E. conc. only	SR			SR
<b>Bioengineering<sup>1</sup></b>		SR									SR
<b>Civil Engineering</b>	SR	SR			SR	SR	SR				SR
<b>Computer Engineering</b>		SR	SR	SR				SR	SR	SR	CS 124
<b>Computer Science</b>	SR		SR						SR	SR	CS 124
<b>Electrical Engineering</b>		SR	SR	SR				SR	SR	SR	CS 124
<b>Engineering Mechanics</b>		SR		SR	SR	SR	SR	SR			SR
<b>Industrial Engineering</b>		SR			SR	SR	SR				SR
<b>Material Science and Engineering</b>	SR	SR		SR				SR			SR
<b>Mechanical Engineering</b>		SR		SR <sup>2</sup>	SR	SR	SR	SR			SR
<b>Nuclear, Plasma &amp; Radiological Engineering</b>		SR				SR		SR			SR
<b>Physics</b>		SR		SR							SR
<b>Systems Engineering and Design</b>		SR			SR	SR	SR				SR

SR = strongly recommended

<sup>1</sup> Bioengineering requires 6 semesters. Students without BIO 161, should anticipate 8 semesters due to course sequencing. Strongly rec. BIO 161.

<sup>2</sup> Mechanical Engineering can choose PHY 221 or CHM 123.

<sup>3</sup> Student will also take a lab course at UIUC for credit in ECE 110

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**SOPHOMORE LEVEL TRANSFER STUDENT**  
**(30-59 hours completed by time student matriculates to UIUC)**

**NOTE: Chemical and Biomolecular Engineering** is located in the College of Liberal Arts & Sciences. **\*Sophomore level transfer is not available for Computer Engineering, Computer Science, Electrical, Mechanical Engineering.**  
 (see previous pages for junior level transfer student admission criteria)

Sophomore level transfer students will be evaluated on the following criteria:

1. Courses in college; must have a minimum of 30 transferable hours completed by time of entry. Students should choose from the UIUC General Education course requirements in order to meet the 30-59 hours of transferable credit required.
2. Official high school transcripts and ACT or SAT – official exam scores are required for students who do not have 30 graded hours of transferable credit at the time of application.
3. Admission Essay (See essay prompt here: <http://admissions.illinois.edu/Apply/Transfer/essay> )

<b>ADMISSION REQUIREMENTS</b> for Sophomore level <b>Engineering</b> transfer students.	
Minimum Transfer GPA	3.00 cumulative and technical (calculus, physics, and chemistry) GPA.
Composition I	<b>(ENG 120 and (122 or 126)) OR (ENG 121 and (122 or 126))</b>
Calc I and II	<b>MTH 145 + 146</b>
1 year General Chemistry w/lab	<b>CHM 121</b> <b>CHM 123 is required only for the following programs of study: Agricultural &amp; Biological Engineering, Bioengineering, Civil Engineering, Engineering Mechanics, and Materials Science &amp; Engineering</b>
1 <sup>st</sup> course of Calc based Physics	<b>PHY 123</b>
Liberal Electives Rec:	ECO 221 or 222: Recommended for all majors
Foreign Language	There is no language requirement for transfer <u>admission</u> . For <u>graduation</u> , students will need to complete through 3 years in high school or through the 3 <sup>rd</sup> semester in college. Eligible courses are listed on the Campus Wide Gen Ed list. It is strongly recommended that transfer applicants complete this graduation requirement prior to the term of enrollment at the University of Illinois. Students fluent in a language other than English may take a proficiency exam once on campus.

This transfer guide is designed to assist students with their academic planning. Every effort is made to maintain accurate information; however, this information is subject to frequent change. Students should contact the member institution to keep informed of changes, as final responsibility for verifying information rests with the student.