Dual Degree Engineering

Dual Degree Program

Dual degree engineering is offered through cooperative agreements with larger universities. Other names for this type of program include pre-engineering programs and 3-2 engineering (reflects the number of years spent at each institution). Dual degree refers to the fact that the student will receive degrees from two institutions. Students typically spend three years at Illinois College taking courses in physics, math, computer science and chemistry along with courses in the humanities, social sciences, and arts. Two years are then spent at the partner university concentrating on a specific engineering discipline. Upon completion of the program, the student receives a Bachelor of Science degree in physics with engineering from Illinois College and a Bachelor of Science Engineering from the partner university.

Major Requirements:

Mathematics

Item #	Title	Credits
MA 213	Calculus I	4.0
MA 223	Calculus II	4.0
MA 233	Calculus III	4.0
MA 332	Introduction to Differential Equations	4.0

Physics

Item #	Title	Credits
PY 225	College Physics I	4.0
PY 226	College Physics II	4.0
	16 additional hours at the 300-level	16

Other Science

Item #	Title	Credits
	Three courses chosen from the major requirements from chemistry, biology, or computer science	12

Additional Requirements

The completion of the graduation application and degree audit with the Illinois College Office of the Registrar prior to leaving campus to attend the transfer institution

Prerequisites to these courses must be completed with a grade of 'C' or above. To be approved for graduation from Illinois College, the student must have:

- Senior standing (88 credit hours)
- The completion of a degree program in mechanical, civil, electrical, or a related discipline at an approved institution
- Fulfillment of the general education requirements for both Illinois College and the transfer institution

Note that a student who elects not to continue the dual degree program will need to complete all BLUEprint requirements for graduation from Illinois College. See **BLUEprint** for additional information. Faculty approval to be in a 3-2 program is given if a 2.75 average (on a 4.0 scale) is achieved in courses in Division II (Biology, Chemistry, Computer Science, Mathematics, and Physics). Students are strongly encouraged to work closely with their advisors to verify that the general education requirements of the engineering institution are also fulfilled by their Illinois College studies.

Since students participating in the 3-2 Program in Engineering receive degrees from both Illinois College and the college or university at which they complete their degree, these students need to fulfill the general education requirements of both. In acknowledgement of the curricular constraints posed by this situation, the following accommodations will be made. They will be allowed only for those students in the 3-2 Program in Engineering who successfully complete the engineering program at the institution to which they transfer.

1. Students in the 3-2 Program in Engineering whose level of language participation necessitates their enrollment in a world language course at the 101 level will have successfully completed the world language requirement upon completion of this course.
2. Since participants in the 3-2 Program in Engineering attend Illinois College for only three years, they are not required to have a senior capstone course or experience.
3. Students in the 3-2 Program in Engineering may count up to 3 courses required for their major in the Science and Society category. Two of these classes must be outside the discipline of the student's major.

Total Credits	**52**