

Engineering Technology

Associate in Science

Total Required Credits for Degree: minimum of 64
General Education Core Curriculum: minimum of 37
Additional Math/Science: 10 to 15
Additional Coursework: 12 to 17

Code: 8929

Note: Consult a faculty adviser or the Counseling and Advising office before planning coursework.

About the Program

The engineering technologist must know the language and practice of the engineer but is not necessarily qualified to initiate and take primary responsibility for engineering analysis and design. The technologist is more likely to work in the operating areas of engineering such as production, construction, quality control, testing, sales and service. Most graduates of College of DuPage's Engineering Technology program transfer to baccalaureate-granting institutions. Many technology credits apply to the baccalaureate degree, and students should consult an adviser as their goals become more specific.

Program web site:
www.cod.edu/academic/acadprog/tranprog/EngTecTr.htm

First Semester Possibilities

Students enrolled in a minimum of 12 credits are considered full-time students. The following courses are examples of possible choices for the first semester of study:

Course	Credits
Engineering 1101	3
English 1101	3
Mathematics 1431	5
Physics 1201	5

General Education Core Curriculum

Each candidate for an A.S. degree shall satisfactorily complete a minimum of 37 General Education credits. General Education credit may not be earned using a Satisfactory/Fail grade.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for this degree to decide what needs to be taken. Links can be found on the Engineering Technology online program guide at program web site noted above.

Under the specified General Education headings below, the following courses are recommended for the Engineering Technology Associate in Science degree:

Communication: 9 credits

Written: 6 credits

Oral: 3 credits

Required courses: English 1101 and 1102 (grade of "C" or higher required); Speech 1100 (grade of "C" or higher required)

Physical/Life Sciences: 7 to 10 credits

Select at least one course from Life Sciences and one course from Physical Sciences. At least one course must have a laboratory component.

Recommended courses: Chemistry 1551; Physics 1201, 1202

Mathematics: 3 to 5 credits

Recommended courses: Mathematics 1431, 1432, 2231, 2232. Some transfer institutions may require Mathematics 2233.

Humanities and Fine Arts: 9 credits

Select at least one course from Humanities and at least one course from Fine Arts.

Please note: Only one foreign language course may apply for general education credit. Additional foreign language courses will count as elective credit toward your degree.

Earn no more than 6 credits in History in the Humanities and Fine Arts, and Social and Behavioral Sciences categories combined. Additional credits in History from general education or other categories may be earned as elective credit, unless restricted by degree requirements.

Social and Behavioral Sciences: 9 credits

Courses must be selected from at least two disciplines. See note under Humanities/Fine Arts regarding History courses.

Recommended courses: Economics 2201 or 2202; Psychology 1100, 2210

Additional Math/Science Requirements

Physical and Life Sciences

Select two courses up to a maximum of 10 credits.

Mathematics

Select one course up to a maximum of 5 credits.

Additional Coursework

Students are strongly advised to consult with a faculty adviser and/or the transfer institution in selecting 12 to 17 General Elective credits. Students can earn a maximum of 10 credits in technical/occupational areas (the transferability of these courses needs to be validated with a transfer institution).

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Additional A.S. Degree Requirements

These credits can count as either General Education Core Curriculum (in the Humanities category or the Social and Behavioral Sciences category) or as General Elective credit, whichever applies.

Human Relations: Complete one course.

Global/Multicultural Studies or Contemporary Life Skills:

Complete one course.

Recommended courses: Anthropology 1105, Computer Information Systems 1110

IAI (Illinois Articulation Initiative)

The IAI General Education Core Curriculum is based on a package concept, in which a package of courses is used to meet the receiving institution's lower-division general education requirements. The entire IAI package must be completed to ensure full articulation.

Always seek the advice of an academic adviser at College of DuPage or an admissions counselor at a transfer institution when choosing major courses. For additional information, check the web site at: www.itransfer.org or the College of DuPage transfer guide web site at: home.cod.edu/academics/transferinfo.

Advisers

If you are considering this program as an area of study, consult with an adviser in this field:

	Location	Phone
Katie Nagle	BIC 1012B	(630) 942-2418
E-mail: naglek@cod.edu		

If you are unable to contact an adviser, messages may be left with the Health and Sciences Division, BIC 200, (630) 942-2010.