

# Integrated Engineering Technology (InET) Degree

**Degree:** Associate in Applied Science  
**Total Required Credits for Degree:** 69  
*Program Requirements:* 63  
*General Education Credits:* 6\*  
**Code:** 3914

## About the Program

Integrated Engineering Technology (InET) is a two-year program that leads to an A.A.S. degree. It is an innovative program designed to meet industry needs for multifunctional technicians competent in mechanics, computer, telecommunications and electronics technology.

As an engineering technician, students may work individually or as a member of a professional team, applying aspects of scientific and engineering concepts to the implementation of existing technologies and the creation of new technologies. After completion of the program, students may work in an engineering technology field in an area such as wireless telecommunications or transfer to a four-year institution.

This new and innovative program is an activity-based approach to learning. Students work in teams on real industrial projects. Mathematics, speech, English and technical subject components are applied and integrated into the same context.

Program web site: [www.cod.edu/InET](http://www.cod.edu/InET)

## Program Notes

The following must be completed before entering this program:

1. Graduation from an accredited high school or successful completion of the GED exam.
2. An ACT composite score of 20 or an SAT verbal score of 500 or a score of 550 on the Test of English as a Foreign Language (TOEFL).
3. Reading Placement Test and English Placement Test at the College of DuPage Testing Lab, with placement in Category One on both tests. Students may contact the Testing Lab at (630) 942-2575.
4. Two years of high school algebra with a grade of "C" or better.
5. Compass Math Placement Test at the College of DuPage Testing Lab, with a score of 32 or higher.

## Key First Semester Courses

Consult with a faculty adviser for the required course list.

## Program Requirements

Elect 1101	Circuits I.....	3
Elect 1141	Digital Fundamentals.....	3
Elect 1151	Electronic Devices and Applications I.....	4
Elect 1161	Electronic Communication I.....	4
Elect 2241	Wireless Telecommunications I.....	3
Elect 2242	Wireless Telecommunications II.....	3
Elect 2255	Industrial Controls.....	3
Elect 2273	Real-Time Systems and Programming.....	3
Physi 1100	Physics.....	4
Physi 1201	General Physics I.....	5
Manuf 1101	Industrial Design/CAD.....	3
Manuf 1104	Technical Mechanics.....	2
Manuf 1180	Quality Control.....	3
Manuf 1190	Introduction to Programmable Logic Controllers.....	3
Engli 1101	English Composition I.....	3
Engli 1102	English Composition II.....	3
Speec 1100	Fundamentals of Speech Communication.....	3
Math 1115	Technical Mathematics I.....	3
Math 1116	Technical Mathematics II.....	5
<b>Total.....</b>		<b>63</b>

## \*General Education Requirements

For the Integrated Engineering Technology (InET) degree, most General Education courses are already listed under program requirements. Therefore, students need 6 General Education credits besides those listed under program requirements.

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 to both can be found on the Integrated Engineering Technology program guide ([www.cod.edu/InET](http://www.cod.edu/InET)).

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

**Communications:** 6 credits required

*Required courses:* English 1101, English 1102; Speech 1100 (already listed under Program Requirements)

**Physical/Life Sciences:** 3 to 5 credits required

Select at least one course with a lab component.

*Required course:* Physics 1100 (already listed under Program Requirements)

**Mathematics:** 3 to 5 credits required

*Required courses:* Mathematics 1115, 1116 (already listed under Program Requirements)

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## Degree

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**Humanities and Fine Arts:** 3 credits required  
*Recommended course:* See the *Student Planning Worksheet*.

**Social and Behavioral Sciences:** 3 credits required  
*Recommended course:* See the *Student Planning Worksheet*.

### **Additional A.A.S. Degree Requirements**

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

*Required course:* Manufacturing Technology 1180  
(already listed under Program Requirements)

### **Advisers**

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

	<b>Location</b>	<b>Phone</b>
Branislav Rosul	TE 1052	(630) 942-3390
E-mail: rosulb@cod.edu		

### **For More Information**

Check with the Business and Technology Division, BIC 2026, (630) 942-2592, for program-specific information.