

AS in Industrial Engineering Technology

The Associate of Science in Industrial Engineering Technology is a two-year degree for students who intend to transfer upon graduation.

PREREQUISITES

You will need to demonstrate proficiencies in reading, English, and mathematics based on the COMPASS assessment test, ACT or SAT scores, or by taking the recommended/required classes. Some of the courses in this curriculum have specific prerequisites. Prerequisites can be found on the reverse side (Guide to Completing Program Requirements) or in the college catalog.

GENERAL EDUCATION (GE) COURSES

In order to graduate with a college degree, all students are required to take certain general education courses. These include courses in English composition, speech, wellness, science, art & humanities, mathematics, computer systems, and social & behavioral sciences.

Program Core Courses

Industrial Engineering Technology core courses include: ETEC 194 Introduction to Technology Systems, ETEC 252 Manufacturing Processes I, ETEC 125 Computer Applications in Manufacturing, ETEC 121 Engineering Graphics I, PHYS 100 Introduction to College Physics, ETEC 123 Blueprint Reading, ETEC 123 Computer Aided Design I, ETEC 151 Tools & Machines: Maintenance and Safety, ETEC 152 Engineering Materials, ETEC 231 Computerized Numerical Control, ETEC 259 Computer Aided Manufacturing, and ETEC 130 Structural Steel Math or MATH 122 Trigonometry.

PROGRAM ELECTIVE COURSES

Industrial Engineering program electives should be chosen based on the requirements of the transfer institution. Students should see their advisor or the program coordinator for enrollment information and transfer institution requirements. Suggested electives include CSIS 240 C++ Programming, BUSO 101 Introduction to Business, and other approved electives.

COURSE SEQUENCE

The listing that follows is a suggested sequence of courses for full-time students majoring in Industrial Engineering Technology. Consult your advisor for information specific to your academic situation.

(Fall) Semester I

ETEC 255	Introduction to Technology Systems	3
CSIS 240	C++ Programming	3
PHYS 100	Introductory College Physics	3
PHYS 130	Introductory College Physics Lab	2
MATH 113	College Algebra	3
PSYC 100	College Orientation	1
Total -		15

(Spring) Semester II

BUSO 101	Introduction to Business	3
	Program Elective	3
COMM 207	Fundamentals of Speech	3
ENGL 101	English Composition I	3
	Social Science Approved Course	3
HIST 201	US History I or	
HIST 202	US History II	3
Total-		18

(Fall) Semester III

CHEM 125	General Chemistry I	3
CHEM 126	General Chemistry I Lab	2
MATH 122	Plane Trigonometry	3
ENGL 289/299	English Composition II	3
	Arts and Humanities Approved Course	3
HPER 150	Lifetime Fitness	1
Total-		15

(Spring) Semester IV

MATH 143	Elementary Statistics	3
MATH 150	Analytic Geometry and Calculus I	5
PSYC 155	General Psychology	3
	Social Science Approved Course	3
	Arts and Humanities Approved Course	3
	Elective	1
Total-		18

Total Program Credits 64

For more information contact:
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Associate of Science

RECOMMENDED SEQUENCE OF COURSES

Availability of ETEC courses will depend upon demand.



Neosho County Community College

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Chanute, KS 66720
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www.neosho.edu

In accordance with the 2006-2008 catalog Effective 9/01/2006

**NEOSHO COUNTY COMMUNITY COLLEGE
ASSOCIATE OF SCIENCE IN INDUSTRIAL ENGINEERING TECHNOLOGY**

Guide to Completing Program Requirements

Directions: As you complete each course, indicate the semester taken (or transferred) and the grade received. The overall GPA must be no less than 2.0 to qualify for graduation. When you have completed 47 credits of the courses listed, start the graduation audit process by contacting your program faculty advisor. You should complete a graduation application in your last semester of courses.

CORE REQUIREMENTS (14 CR)	Course Prerequisite	Credits Hrs Completed/ Transferred	Semester Completed	Grade Earned
ENGL 101 (3 cr) Composition I	ENGL 021 or assessment test score			
ENGL 289 or 299 (3 cr) Composition II	ENGL 101			
COMM 207 (3 cr) Fund or Speech				
CSIS 100 or 130 (3 cr) Intro to MicroComp Apps/ Intro to CIS				
PSYC 100 (1 cr) College Orientation	For first time, full time freshmen			
HPER 150 (1 cr) Lifetime Fitness				
NATURAL/PHYSICAL SCIENCE & MATHEMATICS (6-8 cr)	1 science and 1 math required			
MATH 122- Plane Trigonometry	Math 113 (or concurrent enrollment)			
PHYS 100- Introductory College Physics Lect (3 cr)	Concurrent with PHYS 130			
PHYS 130- Introductory College Physics Lab (2 cr)	Concurrent with PHYS 100			
SOCIAL & BEHAVIORAL SCIENCES (9 cr)	PHYS 155 + 2 different areas required			
PYSC 155- General Psychology (3 cr)				
Elective (3 cr)				
Elective (3 cr)				
ARTS & HUMANITIES (9 cr)	3 different areas required			
Elective (3 cr)				
Elective (3 cr)				
Elective (3 cr)				
PROGRAM REQUIREMENTS (24-26 CR)				
PROGRAM CORE COURSES (X CR)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
PROGRAM ELECTIVES (choose (blank) credits from the following list)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
COURSE 101 (3 cr)				
DEVELOPMENTAL COURSES (*AS NEEDED BY TEST SCORE)				
TOTAL PROGRAM CREDIT HOURS (64 CR MINIMUM)				

COMMENTS: (including curriculum variances)