

INDUSTRIAL TECHNOLOGY, Associate in Applied Science Degree - 4680

Engineering & Technology Department

The Industrial Technology AAS degree prepares students for job advancement or to transfer to a four-year institution to obtain a bachelor's degree in technology-dependent fields such as, automotive technology and service, building construction, electronics, heating, ventilating and air conditioning, electrical technology, automated systems maintenance and manufacturing, machine design, and welding to name a few. This program is designed to afford students with the flexibility to tailor their coursework to meet their individual occupational or transfer goals. The complete program is available at the Harrisburg and York campuses, as well as through Virtual Learning. Students may also complete this program at the Gettysburg and Lancaster campuses by taking some courses through Virtual Learning.

Career Opportunities

Graduates are able to advance in technology-dependent fields related to their plan of study. In addition, graduates may advance their education and transfer coursework to a four-year institution offering technical programs.

Competency Profile

This curriculum is designed to prepare students to:

- Utilize computer software for business applications and recognize the importance of computers in today's technology
- Create and express ideas in speaking and writing in a clear, organized manner appropriate for with the intended audience
- Effectively use and apply technology appropriate to the task
- Investigate issues related to global interdependence and reflect upon their impact as global citizens
- Appropriately and correctly use numerical data specific to the task
- Problem solve, create and evaluate through the following general education goals: information literacy, technology literacy, cultural awareness, communication and quantitative literacy
- Access, evaluate and cite sources to meet information needs

PROGRAM REQUIREMENTS (TOTAL CREDITS = 61)

General Education		Major Requirements		Other Required Courses	
ENGL 101 English Composition I (or)	3	CIS 105 Intro to Software for Business	3	Program Electives**	30
ENGL 110 Foundations of Professional Writing	(3)	Mathematics Elective (100-299)	3		
COMM 101 Effective Speaking	3	MKTG and/or MGMT Electives	<u>6</u>		
Humanities & Arts Elective	3		12		
Mathematics or Science Elective	3				
Social & Behavioral Science Elective*	3				
First-Year Seminar Elective - BUSI 101	3				
Wellness	<u>1</u>				
	19				

*Students are to select electives from the following courses: ANTH 201 or 205; COMM 253; GEOG 201 or 230; HIST 102; PSYC 229; SOCI 201, 202, 203 or 205.

**Students select their program electives from the following subject areas: AUTO, CAD, CARP, ELEC, ELOC, FIRE, GTEC, HBR, HVAC, IA, IMT, or WELD.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
BUSI 101	3	COMM 101	3	Program Specific Electives	15	Program Specific Electives	15
CIS 105	3	MGMT and/or MKTG Electives	6				
ENGL 101 or 110	3	Mathematics Elective	3				
Humanities/Arts Elective	3	Social/Behavioral Science Elective	3				
Math/Science Elective	3	Wellness	1				