

# Applied Industrial Technology, AAS

## School of Technology

### Program Description

Industry in the Southwestern Pennsylvania region is dynamic and employees who have a broad educational background in industrial technology are valuable to their employers. The applied industrial technology degree will allow students to customize their educational pathway and pursue education and training in more than one skill group while integrating a core set of foundation courses including applied math, autocad and communication. Students who complete this degree program will be employable in various industries including manufacturing, oil and gas, technical sales, warehouse operations, and transportation. Students will engage in classroom discussions, research activities, and laboratory exercises that will enhance existing and develop new knowledge, skills, and abilities. This program is ideal for students who want to combine technical coursework and/or certificates to complete an associate degree.

### Career Opportunities

Students who complete this program may accept positions such as general maintenance and repair workers, production managers, manufacturing and technical sales representatives, production workers, machinists, dispatchers, supervisors, electrical technicians, telecommunications technicians, safety specialists, and many others.

### Program Learning Outcomes

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This curriculum is designed to prepare students to:

- demonstrate the skills, professional values and ethics necessary to be employed in the various industries that employ individuals with technical or trades-related skills associated with the management and energy sectors
- demonstrate effective oral and written communication skills with corporate officers, supervisors, government officials, front line workers, and colleagues
- demonstrate knowledge, skills and abilities in multiple technological and trades related disciplines
- identify, install, troubleshoot, construct, form, weld, assemble, wire or develop systems or processes based upon selected educational pathways
- implement safe work practices in all occupational areas
- apply and demonstrate compliance with applicable regulations, laws, governing bodies or associations as necessary depending upon chosen disciplines

Sugg. Term	Seq #	Course ID	Course Title	Cr.	Prereq/Coreq(Co)	Options Available
Fall or Spring	1	Elective	Restricted Program Electives	43		
	2	PDV 101	First Year Seminar	1		
	3	ENG 161	College Writing	3	ENG 085 with Permission of Instructor, ENG 095 or Placement	
	4	DFT 258	AutoCAD	4		
	5	ENG 162	Technical Communication	3	ENG 161	
	6	MTH 104	Introduction to Applied Mathematics	4	MTH 050 or Placement	
	7	PSY 160	General Psychology	3		

Minimum Program Credits

61

AIT

Restricted Program Electives: Choose courses from these disciplines to complete program requirements: AMT, ARC, CNC, DFT, ELC, EGR, HAC, MET, MTT, PMB, RBT, WEL. Students must consult with their advisor for appropriate completion.