

Applied Industrial Technology, AAS School of Technology

Industry in the Southwestern Pennsylvania region is dynamic and employees who have a broad educational background in industrial technology are a valuable commodity. The Applied Industrial Technology AAS degree allows 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, science 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.

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

Upon successful completion of this program, students will be able 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.	Term Offered	Prereq(s)	Options Available
Students must select two certificates		Certificate	Additive Manufacturing, Certificate	17-19	F, Sp, Su		
		Certificate	Heating, Ventilation and Air Conditioning Mechanic I, Certificate	15	F, Sp, Su		
		Certificate	Heating, Ventilation and Air Conditioning Mechanic II, Certificate	15	F, Sp, Su		
		Certificate	Journeyman Machining Technology I, Certificate	16	F		
		Certificate	Journeyman Machining Technology II, Certificate	16	Sp		
		Certificate	Plumbing, Certificate	16	F, Sp, Su		
		Certificate	Robotics Basic Systems, Certificate	16	F		
		Certificate	Robotics Technician I, Certificate	16	Sp	Adv. Man. Basic Systems Certificate	
		Certificate	Welding Engineering Technology I, Certificate	15	F, Sp, Su		
		Certificate	Welding Engineering Technology II, Certificate	15	F, Sp, Su	Welding Eng. Tech I, Cert	
Additional courses to complete degree	1	PDV 101	First Year Seminar	1	F, Sp, Su		
	2	ENG 161	College Writing	3	F, Sp, Su	ENG 085 or Placement	
	3	DFT 258	AutoCAD	4	F, Sp, Su		
	4	ENG 162	Technical Communication	3	F, Sp, Su	ENG 161	
	5	MTH 108	Mathematics for Technologies I	4	F, Sp, Su	MTH 052, 052A or Placement	
	6	PSY 160	General Psychology	3	F, Sp, Su		
	7	Elective	Restricted Electives	9-14	F, Sp, Su		See List

Total Program Credits

61

Restricted Electives: Technical courses with the prefix: NGT, MTT, CNC, WEL, HAC, ELC, RBT, ARC, DFT, EGR