INDUSTRIAL SYSTEMS TECHNOLOGY

Associate in Applied Science | Diploma | Certificate

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

To learn more visit **www.piedmontcc.edu/ist**

More about INDUSTRIAL SYSTEMS TECHNOLOGY

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in blueprint reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and advanced course work may be offered.

The Industrial Systems Technology program strives to meet the demands of the global workforce therefore, students are provided with various levels of course work in the industrial systems field.

Outlook for EMPLOYMENT

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

Mechanical Technicians
Maintenance Technicians

COURSES

Required Courses for Program	AAS	DIP	CERT
ACA 111 College Student Success *			
ACA 122 College Transfer Success *			
BPR 111 Blueprint Reading			
CIS 110 Intro. To Computers			
COM 231 Public Speaking			
DFT 119 Basic CAD			
ELC 112 DC/AC Electricity			
ELC 113 Basic Wiring			
ELC 117 Motors and Controls			
ELC 128 Intro. To PLC			
ENG 111 Writing and Inquiry			
HUM Elective			
HYD 110 Hydraulics			
HYD 121 Hydraulics 2			
ISC 112 Industrial Safety			
ISC 130 Intro. To Quality Control			
ISC 170 Problem Solving Skills			
MAT 143 Quantitative Literacy			
MEC 111 Machine Processes			
MEC 130 Mechanisms			
MNT 110 Intro. To Maintenance			
PHY 110 Conceptual Physics			
WLD 112 Basic Welding			
WLD 121 GMAW (Mig) **			
WLD 131 GMAW (Tig) **			
XXX Soc. Science Elective			
Total Semester Hours Required for Degree	**69**	**48**	**15**

Courses with matching symbols indicate OR/AND requirements. Review back page or contact Student Development for more information.

AAS = Associate in Applied Science DIP = Diploma CERT = Certificate (Basic)

Denotes required for degree completion

INDUSTRIAL SYSTEMS TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE | DIPLOMA | CERTIFICATE

Process for ADMISSIONS

- Submit a complete Application for Admission to the Office of Admissions.
- Submit official transcript(s) of high school education and all post-high school course work to the Office of Admissions if requested. Office GED scores or transcript of courses for the Adult High School Diploma may be submitted in lieu of the high school transcript.
- Complete the Admission Placement Test.
- Diploma and certificate admission requirements may vary. Contact the Admissions Office for details.

Dave Wehrenberg

Program CONTACT

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(336) 322-2135
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Person County Campus - I115

Walter Montgomery, Dean
(336) 322-2258
walter.montgomery@piedmontcc.edu
Person County Campus - L119

ASSOCIATE OF APPLIED SCIENCE

Suggested Course Sequence

Full-time Student

Course#		Course Name	CL.	LB.	CLIN.	CR.
FALL SEMESTER						
ACA	111	College Student Success ***OR***	1	0	0	1
ACA	122	College Transfer Success	0	2	0	1
MAT	143	Quantitative Literacy	2	2	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MNT	110	Intro. To Maintenance	1	3	0	2
MEC	111	Machine Processes	1	4	0	3
HUM		Elective	3	0	0	3
			10-11	**9-11**	**0**	**15**
SPRING SEMESTER						
PHY	110	Conceptual Physics	3	0	0	3
COM	231	Public Speaking	3	0	0	3
HYD	110	Hydraulics	2	2	0	3
MEC	130	Mechanisms	2	2	0	3
CIS	110	Intro. To Computers	2	3	0	3
			12	**7**	**0**	**15**
SUMMER SEMESTER						
ELC	117	Motors and Controls	2	6	0	4
WLD	112	Basic Welding	1	3	0	2
			3	**9**	**0**	**6**
FALL SEMESTER						
ELC	113	Basic Wiring	2	6	0	4
ISC	170	Problem Solving Skills	3	0	0	3
ELC	128	Intro. To PLC	2	3	0	3
ISC	130	Intro. To Quality Control	3	0	0	3
BPR	111	Blueprint Reading	1	2	0	2
ISC	112	Industrial Safety	2	0	0	2
			13	**11**	**0**	**17**
SPRING SEMESTER						
HYD	121	Hydraulics 2	1	3	0	2
ELC	112	DC/AC Electricity	3	6	0	5
DFT	119	Basic CAD	1	2	0	2
WLD	121	GMAW (Mig) ***OR***	2	6	0	4
WLD	131	GMAW (Tig)	2	6	0	4
XXX		Soc. Science Elective	3	0	0	3
			10	**17**	**0**	**16**
			48-49	**53-55**	**0**	**69**

TOTAL SEMESTER HOURS REQUIRED FOR ASSOCIATES: 69

PCC Piedmont Community College

Person County Campus
1715 College Drive
Roxboro, NC 27573
(336) 599-1181

Caswell County Campus
331 Piedmont Drive
Yanceyville, NC 27379
(336) 694-5707