

Electronic Systems Program Courses and Booklist

Electronic Systems Courses and Booklist <i>Electronics Assembler Certificate</i>				Prerequisite: None		
1st Trimester		Certificate: Electronics Assembler				
COURSE NUMBER		BOOKS AND SUPPLIES	PUBLISHER	ISBN	COST	QTY
ESP-0001	Worker Characteristics	None	None		\$0.00	
ESP-1011	Orientation & Safety	OSHA 10 Voucher (Provided)	CareerSafe		\$0.00	
ELM-1012	Technology Foundations	None-Computer Based Instruction (Provided)	WIN System		\$0.00	
ESP-1020	Customer Service	Customer Service Specialistst Study Guide	ETA	1-891749-08-0	\$24.00	
		CSS Certification Exam Fee (Provided)	ETA		\$0.00	
ESP-1030	Basic Math	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-1041	Computer Concepts I	Welcome to Computer Basics 2nd Ed.	Labyrinth Learning	978-1-64061-206-8	\$72.00	
ESP-1042	DC Circuits I	None-Computer Based Instruction (Provided)	Nida		\$0.00	
		Scientific Calculator (Casio fx-300MS or equivalent)	Casio		\$18.00	
		Digital Multimeter (Klein MM400 or equivalent)	Klein		\$68.00	
ESP-1060	Soldering Techniques/Tools	Soldering Project Kit	Nida	96901410	\$31.00	
		Jameco Soldering Kit	Jameco		\$40.00	
ESP-1070	AC Circuits I	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-1081	Worker Ethics & Ex. I	None-Employability Skills (provided by instructor)	CareerSafe		\$0.00	
ESP-1082	Integrated Projects I	Cables and Connectors Kit	Nida	96901459	\$66.00	
432 Contact Hours			Trimester 1 Books, Tests, and Supplies Total		\$319.00	

Note: Prices are estimates and subject to change without notice; state sales tax will be added to certain items

Student is responsible for miscellaneous material (paper, pencils, tools, etc.)

revised 08/08/2025 (effective Fall 2025)

Electronic Systems Courses and Booklist <i>Electronics Systems Tester Certificate</i>			Prerequisite: Electronics Assembler Certificate			
2nd Trimester		Certificate:Electronics Systems Tester 864 Contact Hours				
COURSE NUMBER		BOOKS AND SUPPLIES	PUBLISHER	ISBN	COST	QTY
ESP-0002	Worker Characteristics	None	None		\$0.00	
ESP-2010	Intro. to Applied Technology	None-Employability Skills (provided by instructor)	CareerSafe		\$0.00	
ESP-2020	Analog Circuits I	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-2030	Digital Circuits I	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-2040	Tester Projects	Digital Multimeter (M2666-K) & Elective Kit	Elenco		\$75.00	
ESP-2050	AC Circuits II	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-2060	Electronics Comp. Rev. II	AC CertTEC Performance Certification (Provided)	CertTEC		\$0.00	
		Associate CET Study Guide-6th Edition	ETA	1-891749-07-2	\$72.00	
ESP-2070	Worker Ethics & Ex. II	None-Employability Skills (provided by instructor)	CareerSafe		\$0.00	
ESP-2080	Integrated Projects II	EM1 DC Certification Study Guide (Download only from ETA)	ETA		\$25.00	
		EM1 DC Certification Exam Fee (Provided)	ETA		\$0.00	
		DC CertTEC Certification Exam Fee (Provided)	CertTEC		\$0.00	
432 Contact Hours (864 Total Contact Hours)			Trimester 2 Books, Tests, and Supplies Total		\$172.00	

Electronic Systems Courses and Booklist <i>Electronic Systems Repair Technician Diploma</i>			Prerequisite:Electronic Systems Tester			
3rd Trimester		Diploma:Electronic Systems Repair Technician 1296 Total Contact Hours				
COURSE NUMBER		BOOKS AND SUPPLIES	PUBLISHER	ISBN	COST	QTY
ESP-0003	Worker Characteristics	None	None		\$0.00	
ESP-3010	Professional Development	Connect to Your Career 3rd Ed.	Good-Heart Willcox	978-1-64564-747-8	\$66.00	
ESP-3020	Technical Writing	None-Employability Skills (provided by instructor)	CareerSafe		\$0.00	
ESP-3030	D.C. Circuits II	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-3040	Analog Circuits II	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-3050	Digital Circuits II	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-3060	Microcontrollers	None-Computer Based Instruction (Provided)	Nida		\$0.00	
ESP-3070	Technician Projects	AM/FM Radio & Elective Kit	TBD		\$120.00	
ESP-3080	Electronics Comp. Rev. III	Analog & Digital Performance Certifications (Provided)	CertTEC		\$0.00	
		Associate CET Certification	ETA		\$60.00	
ESP-3090	Worker Ethics & Ex. III	None-Employability Skills (provided by instructor)	CareerSafe		\$0.00	
ESP-3100	Integrated Projects III	None	None			
432 Contact Hours (1296 Total Contact Hours)			Trimester 3 Books, Tests, and Supplies Total		\$246.00	

Electronics Systems Technician Diploma-Industrial Electronics Specialty (Option 1)			Prerequisite: Electronic Systems Repair Technician Diploma			
4th Trimester		Diploma: Industrial Electronics 1728 Total Contact Hrs.				
COURSE NUMBER		BOOKS AND SUPPLIES	PUBLISHER	ISBN	COST	QTY
ESP-0004	Worker Characteristics	None	None		\$0.00	
ESP-4010	Industrial Electronics	Pneumatic Fundamentals	Festo	584196	\$30.00	
		Electrical Controls of Pneumatic Systems	Festo	978-2-89289-410-3	\$30.00	
		CM-284-L1 PAC Workbook 2nd Ed. Version 2.11	TII		\$120.00	
		Programmable Logic Controllers Connect Access Card 6e	McGraw-Hill	9781264446759	\$129.00	
		(Must be purchased online from McGraw-Hill Website)				
		SM-L24-SAS-SIM-V32 Student Lab Manual	Future Tek		\$63.00	
		SM PF-40 Drive Student Lab Manual	Future Tek		\$67.00	
		SM-PanelView Plus 7 Student Lab Manual	Future Tek		\$67.00	
		Automation and Robotics-FMS (Provided by Instructor)	Festo		\$0.00	
		Mechatronics Training Guide (Provided by Instructor)	Festo		\$0.00	
		Process Control-Festo LX (Provided by Instructor)	Festo		\$0.00	
		Worker Ethics and Exploration IV	None		\$0.00	
432 Contact Hours (1728 Total Contact Hours)			Trimester 4 Books, Tests, and Supplies Total		\$506.00	

Course Books and Supplies Totals

Electronics Assembler Certificate Books and Supplies Total	\$319.00
Electronics Systems Tester Certificate Books and Supplies Total	\$172.00
Electronic Systems Repair Technician Diploma Books and Supplies Total	\$246.00
Electronics Systems Technician-Industrial Electronics Diploma Books and Supplies Total	\$506.00
Electronic Systems Program Books and Supplies Total	\$1243.00
Electronic Systems Program Tuition Total	\$5948.00
Electronic Systems Total Program Cost (Option 1)	\$7191.00

Electronics Systems Technician Diploma-Communications Specialty (Option 2)			Prerequisite: Electronic Systems Repair Technician Diploma			
4th Trimester		Diploma: Communications 1728 Total Contact Hrs.				
COURSE NUMBER		BOOKS AND SUPPLIES	PUBLISHER	ISBN	COST	QTY
ESP-0004	Worker Characteristics	None	None		\$0.00	
ESP-4020	Communications	Telecommunications (Provided by Instructor)	Nida		\$0.00	
		RF Communications (Provided by Instructor)	Nida		\$0.00	
		Signal Processing (Provided by Instructor)	Nida		\$0.00	
		Intro to Telecommunications manual and consumable kit	C-TECH	0-9789769-5-9	\$58.00	
		Copper Manual and consumable kit (4.0)	C-TECH	1-7323242-2-0	\$177.00	
		Fiber Optic Manual and consumable kit (4.0)	C-TECH	1-7323242-4-7	\$271.00	
		Worker Ethics and Exploration IV	None		\$0.00	
432 Contact Hours (1728 Total Contact Hours)			Trimester 4 Books, Tests, and Supplies Total		\$506.00	

Course Books and Supplies Totals

Electronics Assembler Certificate Books and Supplies Total	\$319.00
Electronics Systems Tester Certificate Books and Supplies Total	\$172.00
Electronic Systems Repair Technician Diploma Books and Supplies Total	\$246.00
Electronics Systems Technician-Industrial Electronics Diploma Books and Supplies Total	\$506.00

Electronic Systems Program Books and Supplies Total (Option 2) \$1243.00

Electronic Systems Program Tuition Total \$5948.00

Electronic Systems Total Program Cost (Option 2) \$7191.00