Book & Tool List

ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

Associate of Applied Science: Industrial Cybersecurity Engineering Technology Apprenticeship

Book List for AAS – Industrial Cybersecurity Engineering Technology Apprenticeship

Course	Course Title	Book Title	ISBN	Cost
CYBR 4481	Defending Critical Infrastructure and Cyber Physical Systems	Security PHA Review for Con.-Based CYBR	9781643311173	95.00
CYBR 4481	Defending Critical Infrastructure and Cyber Physical Systems	Sandworm, 19 Ed.	9780385544405	14.69
ESET 1122	Electrical Systems and Motor Control Theory	Electrical Motor Controls for Integrated Systems – with DVD, 5th 14 Ed.	9780826912268	134.20
ESET 2205	Fundamentals of Control Logic	Programmable Logic Controllers: An Emphasis on Design and Application, 4th 23 Ed.	9780976625964	82.50
ECON 2201	Principles of Macroeconomics	Principles of Macroeconomics 5e Courseware, 5th Ed.	8220154671372	118.74
MGT 2216	Business Statistics	Kritik Peer Grading Platform	8220125113405	35.00
PHYS 1101	Elements of Physics	Perusall Access-College Physics 1E, 16 Ed.	9781947172012	14.27
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	8220127707565	68.75
			TOTAL	**$563.15**

Course Fees for AAS – Industrial Cybersecurity Engineering Technology Apprenticeship

Course	Course Title	Fee
CYBR 3383	Security Design for Cyber-Physical Systems	75.00

Course	Course Title	Fee
CYBR 4486	Network Security for Industrial Environments	90.00
ESET 1120L	Introduction to Energy Systems Laboratory	10.00
ESET 1121L	Basic Electricity and Electronics Laboratory	10.00
ESET 1122L	Electrical Systems and Motor Control Theory Laboratory	142.50
ESET 1181	Introduction to Cyber-Physical Systems	20.00
ESET 2242	Practical Process Measurements and Control	25.00
ESET 2282	Introduction to Networking	75.00
MGT 2216	Business Statistics	25.00
	TOTAL	**$582.50**

Other Fees for AAS – Industrial Cybersecurity Engineering Technology Apprenticeship

Description	Fee
SSCP Exam	250.00
TOTAL	**$250.00**

Tools/Supplies for AAS – Industrial Cybersecurity Engineering Technology Apprenticeship

Quantity	Description	Cost
	Raspberry PI, Jumpers, breadboard, LEDs	90.00
	Network cable, Ends for network cable	20.00
	Wire	10.00
	Linux Command Line	40.00
1	Packet analysis book	40.00
1	Nmap book	40.00
1	Talent code	25.00
1	Digital Multimeter: With the ability to measure current, resistance, and voltage (Cen-Tech 37772 or 61593)	25.00
1	Small tool box or tool bag (with lock)	15.00
1	Safety glasses	8.00
1	Alligator clip test leads	8.00
1	Slotted and Philips screw driver set	10.00
1	Small adjustable wrench	3.00
1	Wire stripper	8.00
1	Needle nose pliers	5.00
1	Diagonal cutter	7.00
1	Crimper/cutter	8.00

Quantity	Description	Cost
1	Flash (jump) drive (4GB or higher)	10.00
1	Scientific Calculator: Casio FX-115MS Plus SR	21.00
1	Lab Notebook: Quad ruled, wire-bound with duplicates (9781930882744)	21.00
	TOTAL	**$414.00**

Summary

Tuition	$32,775.00
Books	$563.15
Fees	$832.50
Tools/Supplies	$414.00
Program Total	$34,584.65

**Costs listed are estimations and should not be considered a guarantee.*