

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
ESET 1122	Electrical Systems and Motor Control	Electrical Motor Controls for Integrated Systems – with DVD, 5 th 14 Ed.	9780826912268	134.20
ESET 2205	Fundamentals of Control Logic	Programmable Logic Controllers: An Emphasis on Design and Application, 4 th 23 Ed.	9780976625964	82.50
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
ECON 2201	Principles of Macroeconomics	Principles of Macroeconomics (with Norton Illumine Ebook, InQuizitive, Smartwork, and Office Hours), 4 th 23 Ed.	8220130942496	106.74
ENGL 1101	Writing and Rhetoric I	Perusall Access – Everyone's an Author W/R, 4 th Ed.	2818440009310	65.06
MATH 1153 (Obj. 3 Option)	Statistical Reasoning	MyLab Statistics with Pearson eText Access Code for Intro Stats, 6 th 22 Ed.	8220144761755	131.24
PHYS 1101 (Obj. 5 Option)	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
TOTAL				\$612.58

Course Fees for AAS – Industrial Cybersecurity Engineering Technology Apprenticeship

Course	Course Title	Fee
ESET 1120L	Introduction to Energy Systems Laboratory	10.00
ESET 1121L	Basic Electricity and Electronics Laboratory	55.00
ESET 122L	Electrical Systems and Motor Control Theory Laboratory	142.50
ESET 1162	Industrial Safety and Regulations	20.00
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
CYBR 3383	Security Design for Cyber-Physical Systems	75.00
CYBR 4486	Network Security for Industrial Environments	90.00
CYBR 4487	Professional Development and Certification	60.00
ECON 2201	Principles of Macroeconomics	30.00
PHYS 1101	Elements of Physics	30.00
TOTAL		\$632.50

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

Quantity	Description	Cost
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
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	\$31,326.00
Books	\$612.58
Fees	\$882.50
Tools/Supplies	\$414.00
Program Total	\$33,235.08

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