

Book & Tool List

ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

Associate of Applied Science: Energy Systems Instrumentation Engineering Technology

Book List for AAS – Energy Systems Instrumentation Engineering Technology

Course	Course Title	Book Title	ISBN	Cost
ESET 1101	Electrical Circuits I	Grob's Basic Electronics (Looseleaf), 13 th 21 Ed.	9781260445367	158.30
INST 2281	Electrical Automation Laboratory	Electrical Motor Controls for Integrated Systems – with DVD, 5 th 14 Ed.	9780826912268	134.20
INST 2281	Electrical Automation Laboratory	Ugly's Electric Motors and Controls 2020, 20 Ed.	9781284194555	20.21
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
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
PSYC 1101 (Obj. 6 Option)	Introduction to Psychology	Psychology – Achieve Read and Practice (1 Term), 14 th 24 Ed.	9781319489892	64.29
PHYS 1101 (Obj. 5 Option)	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
TOTAL				\$666.14

Course Fees for AAS – Energy Systems Instrumentation Engineering Technology

Course	Course Title	Fee
ESET 1100L	Introduction to an Industrial Environment Laboratory	75.00

Course	Course Title	Fee
ESET 1101L	Electrical Circuits I Laboratory	55.00
ESET 1102L	Electrical Circuits II Laboratory	25.00
ESET 1110L	Introduction to Process Control Laboratory	50.00
INST 2282	Electrical Automation Laboratory	275.00
INST 2293	Process Measurement and Control Laboratory	200.00
TGE 1159	Internship Strategies	10.00
PHYS 1101	Elements of Physics	30.00
TOTAL		\$720.00

Tools/Supplies for AAS – Energy Systems Instrumentation Engineering Technology

Quantity	Description	Cost
1	Small adjustable wrench	3.00
1	Wire stripper	8.00
1	Needle nose pliers	5.00
1	Slip joint pliers	5.00
1	Diagonal cutter	7.00
1	Crimper/cutter	8.00
1	Digital Multimeter: Cen-Tech 37772 Specifications: DC Voltage: 400 mV to 750 V DC Current: 400 A to 10 A Resistance: up to 40 M AC Voltage: 400 mV to 750 V AC Current: 400 A to 10 A Input Impedance: 10 MOhm IEC Safety Ratings: CAT II: 1000 V, CAT III: 600 V	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 drivers set	10.00
1	Flash (jump) drive (4GB or higher)	10.00
1	Lab Notebook: Bound, graph ruled (11.75 x 9.375)	16.00
1	Scientific Calculator: Casio Fx-115ES Plus	16.00
1	Laptop/Notebook Computer: Wifi ready, large hard drive, Windows 10, Microsoft Office Suite	700.00
TOTAL		\$844.00

Summary

Tuition	\$17,828.00
Books	\$666.14
Fees	\$720.00
Tools/Supplies	\$844.00
Program Total	\$20,058.14

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