

# 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 1100L	Introduction to an Industrial Environment Laboratory	Ugly's Electrical Safety and NFPA 70E, 5 <sup>th</sup> 21 Ed.	9781284226553	20.21
ESET 1102	Electrical Circuits II	Grob's Basic Electronics – With CD, 11 <sup>th</sup> 11 Ed.	9780077410094	187.46
ESET 1140	Applied Technical Intermediate Algebra	Intermediate Algebra – Aleks 360 Access, 5 <sup>th</sup> 18 Ed.	9781259948794	152.96
INST 2281	Electrical Automation Theory	Electrical Motor Controls for Integrated Systems – with DVD, 5 <sup>th</sup> 14 Ed.	9780826912268	127.77
INST 2281	Electrical Automation Theory	Ugly's Electric Motors and Controls 2020	9781284194555	20.21
ENGL 1101	Writing and Rhetoric I	Rules for Writers (Spiral), 10 <sup>th</sup> 22 Ed.	9781319244255	56.56
ENGL 1101	Writing and Rhetoric I	Everyone's an Author: With Readings, MLA – W/Access, 4 <sup>th</sup> 23 Ed.	9781324045274	57.09
ENGL 1101	Writing and Rhetoric I	Dr. No: A Novel, 22 Ed.	9781644452080	6.99
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
MATH 1153	Statistical Reasoning	Intro Stats – MyStatLab w/eText (18 Weeks), 6 <sup>th</sup> 22 Ed.	9780136806899	135.70
MATH 1153	Statistical Reasoning	Intro Stats, 6 <sup>th</sup> 22 Ed.	9780136806868	85.99
PSYC 1101 (Obj. 6 Option)	Introduction to Psychology	Psychology – Achieve Read and Practice (1 Term), 14 <sup>th</sup> 24 Ed.	9781319489892	64.29
PHYS 1101	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
<b>TOTAL</b>				<b>\$1,008.07</b>

## Course Fees for AAS – Energy Systems Instrumentation Engineering Technology

Course	Course Title	Fee
ESET 1100L	Introduction to an Industrial Environment Laboratory	75.00
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	20.00
<b>TOTAL</b>		<b>\$700.00</b>

## 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

Quantity	Description	Cost
1	Laptop/Notebook Computer: Wifi ready, large hard drive, Windows 10, Microsoft Office Suite	700.00
<b>TOTAL</b>		<b>\$844.00</b>

### Summary

Tuition	\$16,712.00
Books	\$1,008.07
Fees	\$700.00
Tools/Supplies	\$844.00
Program Total	\$19,264.07

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