

# Book & Tool List

## ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

### Associate of Applied Science: Energy Systems Electrical Engineering Technology

#### Book List for AAS – Energy Systems Electrical Engineering Technology

Course	Course Title	Book Title	ISBN	Cost
ESET 0101	Electrical Circuits I	Grob's Basic Electronics (Looseleaf), 13 <sup>th</sup> 21 Ed.	9781260445367	112.65
ESET 0292	Electrical Engineering Technology I	Electrical Motor Controls F/Int...- w/DVD, 5 <sup>th</sup> 14 Ed.	9780826912268	78.85
ESET 0292	Electrical Engineering Technology I	Ugly's Electrical References 2020	9781284194531	13.30
TGE 0159	Internship Strategies	Employment Strategies For Today, 15 <sup>th</sup> Ed.	9781465269546	79.38
ENGL 1101	Writing & Rhetoric I	Little Seagull Handbook w/Access Pkg.	9780393877939	22.00
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
MATH 1153	Statistical Reasoning	Introductory Statistics – WebAssign, 19 <sup>th</sup> Ed.	9781337777186	54.21
MATH 1153	Statistical Reasoning	Introductory Statistics (OER), 18 <sup>th</sup> Ed.	9781506698236	14.15
PHYS 1101	Elements of Physics	EBK Applied Physics, 11 <sup>th</sup> Ed.	9780134241142	64.99
PSYC 1101 (Obj 6 Option)	Introduction to Psychology	Psychology Loose-Leaf w/Access, 13 <sup>th</sup> Ed.	9781319393830	80.00
			<b>TOTAL</b>	<b>\$598.10</b>

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

Course	Course Title	Fee
ESET 0100L	Engineering Technology Orientation Laboratory	75.00
ESET 0101L	Electrical Circuits I Laboratory	55.00
ESET 0102	Electrical Circuits II	50.00
ESET 0102L	Electrical Circuits II Laboratory	25.00

Course	Course Title	Fee
ESET 0140	Applied Technical Intermediate Algebra	20.00
ESET 0181	Information Technology – Operational Technology Fundamentals	10.00
ESET 0226	Process Control Devices Laboratory	30.00
ESET 0292L	Electrical Engineering Technology I Laboratory	130.00
ESET 0293L	Electrical Engineering Technology II Laboratory	100.00
MATH 1153	Statistical Reasoning	5.00
<b>TOTAL</b>		<b>\$500.00</b>

### Tools/Supplies for AAS – Energy Systems Electrical 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
<b>TOTAL</b>		<b>\$844.00</b>

## Summary

Tuition	\$15,744.00
Books	\$598.10
Fees	\$500.00
Tools/Supplies	\$844.00
Program Total	\$17,686.10