

# Book & Tool List

## ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

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

#### Book List for AAS – Energy Systems Mechanical 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 1118	Industrial Maintenance Mechanic I	Pocket Reference, (4 <sup>th</sup> ) 18 Ed.	9781885071620	9.71
ESET 1118	Industrial Maintenance Mechanic I	Machinery's Handbook 31, Toolbox Edition, 31 <sup>st</sup> 20 Ed.	9780831137311	104.96
ESET 1118	Industrial Maintenance Mechanic I	Industrial Maintenance Mechanic: Level 1, 3 <sup>rd</sup> 07 Ed.	9780132286084	72.79
ESET 1122	Electrical Systems and Motor Control Theory	Electrical Motor Controls for Integrated Systems – with DVD, 5 <sup>th</sup> 14 Ed.	9780826912268	127.77
ESET 1140	Applied Technical Intermediate Algebra	Intermediate Algebra – Aleks 360 Access, 5 <sup>th</sup> 18 Ed.	9781259948794	152.96
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
PHYS 1101	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
PSYC 1101 (Obj. 6 Option)	Introduction to Psychology	Psychology – Achieve Read and Practice (1 Term), 14 <sup>th</sup> 24 Ed.	9781319489892	64.29
			<b>TOTAL</b>	<b>\$987.86</b>

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

Course	Course Title	Fee
ESET 1100L	Introduction to an Industrial Environment Laboratory	75.00
ESET 1118	Industrial Maintenance Mechanic I	40.00
ESET 1119	Industrial Maintenance Mechanic II	40.00
ESET 1121L	Basic Electricity and Electronics Laboratory	55.00
ESET 1122L	Electrical Systems and Motor Control Theory Laboratory	142.50
ESET 1123	Mechanical Power Transmission I	40.00
ESET 1123L	Mechanical Power Transmission Laboratory I	10.00
ESET 1125	Introduction to Structural Welding	80.00
ESET 1127	Mechanical Power Transmission II	40.00
ESET 1127L	Mechanical Power Transmission Laboratory II	35.00
ESET 2242	Practical Process Measurements and Control	25.00
TGE 1159	Internship Strategies	20.00
<b>TOTAL</b>		<b>\$602.50</b>

## Tools/Supplies for AAS – Energy Systems Mechanical Engineering Technology

Quantity	Description	Cost
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
	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
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
<b>TOTAL</b>		<b>\$149.00</b>

## Summary

Tuition	\$20,890.00
Books	\$987.86
Fees	\$602.50
Tools/Supplies	\$149.00
Program Total	\$22,629.36

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