

Book & Tool List

ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

Associate of Applied Science: Energy Systems Nuclear Operations Technology: Licensed Operator Concentration

Book List for AAS – Energy Systems Nuclear Operations Technology: Licensed Operator Concentration

Course	Course Title	Book Title	ISBN	Cost
ESET 1122	Electrical Systems and Motor Control Theory	Electrical Motor Controls for Integrated Systems – With DVD, 5 th 14 Ed.	9780826912268	134.20
ESET 1152	Nuclear Careers and Information	Essential Guide to Getting a Job in the Nuclear Power Industry, 14 Ed.	9781627340137	25.64
ESET 2220	Thermal Cycles and Heat Transfer	Nuclear Reactor Thermal Hydraulics, 18 Ed.	8220107616986	148.50
ESET 2251	Reactor Theory Safety and Design	How to Drive a Nuclear Reactor, 19 Ed.	9783030338756	22.49
ESET 2279	Conduct of Operations	Industrial Operator's Handbook: A Systematic Approach to Industrial Operations, 2 nd 01 Ed.	9781576140277	60.00
ESET 2280	Capstone and Case Studies in Nuclear Engineering Technology	Safety, Reliability, Human Factors, and Human Error in Nuclear Power Plants (Paperback), 18 Ed.	9780367890643	52.49
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
ENGL 1102	Writing and Rhetoric II	Writing and Reading Across Curriculum, 14 th 19 Ed.	9780134668512	58.99
MATH 1153 (Obj. 3 option)	Statistical Reasoning	MyLab Statistics with Pearson eText Access Code for Intro Stats, 6 th 22 Ed.	8220144761755	131.24

Course	Course Title	Book Title	ISBN	Cost
PHYS 1101 (Obj. 5)	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 th 24 Ed.	9781319489892	64.29
TOTAL				\$855.74

Course Fees for AAS – Energy Systems Nuclear Operations Technology: Licensed Operator Concentration

Course	Course Title	Fee
ESET 1100L	Introduction to an Industrial Environment Laboratory	75.00
ESET 1121L	Basic Electricity and Electronics Laboratory	10.00
ESET 1122/L	Electrical Systems and Motor Control Theory Laboratory	142.50
ESET 1153	Radiological Control Fundamentals	125.00
ESET 2242	Practical Process Measurements and Control	25.00
ESET 2248	Power Plant Documentation and Procedures	15.00
ESET 2249	Reactor Plant Materials	47.00
ESET 2279	Conduct of Operations	25.00
PHYS 1101	Elements of Physics	30.00
MATH 1153	Statistical Reasoning	30.00
CHEM 1101	Introduction to Chemistry	30.00
TGE 1257	Applied Ethics in Technology	30.00
TOTAL		\$584.50

Other Fees for AAS – Energy Systems Nuclear Operations Technology: Licensed Operator Concentration

Description	Fee
ISCET Test #3	35.00
TOTAL	\$35.00

Tools/Supplies for AAS – Energy Systems Nuclear Operations Technology: Licensed Operator Concentration

Quantity	Description	Cost
1	Alligator clip test leads set	8.00
1	Safety glasses	8.00
1	Small tool box or tool bag (with lock)	15.00
1	Digital multimeter: with the ability to measure current, resistance, and voltage (Cen-Tech 37772 or 61593)	25.00

Quantity	Description	Cost
1	Slotted and Philips screw driver set	10.00
1	Small adjustable wrench	3.00
1	Wire strippers	8.00
1	Crimpers/cutter	8.00
1	Diagonal (side) wire cutters	7.00
1	Lab Notebook: Quad ruled, wire-bound with duplicates (9781930882744)	21.00
1	Needle nose pliers	5.00
1	Scientific Calculator: Casio FX-115MS Plus SR	21.00
1	Flash (jump) drive (4GB or higher)	10.00
TOTAL		\$149.00

Summary

Tuition	\$22,285.00
Books	\$855.74
Fees	\$619.50
Tools/Supplies	\$149.00
Program Total	\$23,909.24

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