

Book & Tool List

ENERGY SYSTEMS TECHNOLOGY & EDUCATION CENTER

Associate of Applied Science: Nuclear Operations Technology: Facility Technician Concentration

Book List for AAS – Nuclear Operations Technology: Facility Technician Concentration

Course	Course Title	Book Title	ISBN	Cost
ESET 1122	Industrial Maintenance Mechanic I	Electrical Motor Controls for Integrated Systems – with DVD, 5 th 14 Ed.	9780826912268	134.20
ESET 1130	Initial Operator Training and Student Operations	CFR Title 10 PTS 1-50	9780160970481	67.00
ESET 1152	Nuclear Careers and Information	Nuclear Empowered Workforce, 1 st Ed.	9780894485961	37.43
ESET 2220	Thermal Cycles and Heat Transfer	Nuclear Reactor Thermal Hydraulics: An Introduction to Nuclear Heat Transfer and Fluid Flow, 20 Ed,	9781138035379	217.50
ESET 2221	Nuclear Steam Supply Systems	Steam Plant Operation, 10 th 17 Ed.	9781259641336	89.78
ESET 2249	Reactor Plant Materials	Niosh Pocket Guide to Chem Hazards	9798331667825	35.00
ESET 2249	Reactor Plant Materials	Emergency Response Guidebook 2024 (Spiral)	9798889122845	12.95
ESET 2249	Reactor Plant Materials	Introduction to Nuclear Materials, 13 Ed.	9783527677108	166.35
ESET 2250	Radiation Detection and Protection	Introduction to Radiation Protection, 7 th 19 Ed.	9781138333079	61.90
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	Atomic Accidents, 15 Ed.	9781605986807	14.21
PHYS 1101	Elements of Physics	Perusall Access-College Physics 1E, 16 Ed.	9781947172012	14.27

Course	Course Title	Book Title	ISBN	Cost
CHEM 1101	Introduction to Chemistry	Bundle: Aktiv Chemistry – Semester + Math Diagnostic, 24 Ed.	8220142431490	50.00
MATH 1153 (Obj. 3 option)	Statistical Reasoning	MyLab Statistics with Pearson eText Access Code for Intro Stats, 6 th 22 Ed.	8220144761755	143.63
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	8220127707565	68.75
TOTAL				\$1,172.97

Course Fees for AAS – Nuclear Operations Technology: Facility Technician 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 1122L	Electrical Systems and Motor Control Theory Laboratory	142.50
ESET 1151	Nuclear Industry Fundamental Concepts	25.00
ESET 1151L	Nuclear Industry Fundamental Concepts Lab	25.00
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
MATH 1153 (Obj. 3 option)	Statistical Reasoning	8.00
TOTAL		\$522.50

Other Fees for AAS – Nuclear Operations Technology: Facility Technician Concentration

Description	Fee
ISCET Test #3	35.00
TOTAL	\$35.00

Tools/Supplies for AAS – Nuclear Operations Technology: Facility Technician Concentration

Quantity	Description	Cost
1	Alligator clip test leads set	8.00

Quantity	Description	Cost
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
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	\$23,347.50
Books	\$1,172.97
Fees	\$557.50
Tools/Supplies	\$149.00
Program Total	\$25,226.97

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