

Book & Tool List

Advanced Technical Certificate: Laser/Electro-Optics Technology

Book List for ATC – Laser/Electro-Optics Technology

Course	Course Title	Book Title	ISBN	Cost
RCET 0153A	Basic Electricity & DC Circuit Theory	Complete Electronics Self-Tchg Gde w/Projects	9781118217320	\$35.00
RCET 0153A	Basic Electricity & DC Circuit Theory	Foundations of Electric Circuits	9780139077425	\$128.00
RCET 0153A	Basic Electricity & DC Circuit Theory	Electronics & Computer Math, 8th Ed	9780131711372	\$277.00
RCET 0153A	Basic Electricity & DC Circuit Theory	Electronics Fund: Circuits, Devices, Etc., 8th Ed.	9780135072950	\$264.00
RCET 0264	Introductory Calculus	Technical Calculus (W/CD), 5th Ed.	9780130488183	\$308.00
RCET 0271	Introduction to Lab Simulation Software	Labview 2009 Student Ed. (W/2 DVDS)	9780132141291	\$186.00
RCET 3331	Laser Systems and Optics Theory	Fund of Light & Lasers, Course 1, Modules 1-6, #OPT 699-8, 2nd Ed	9781578376995	\$90.00
RCET 3331	Laser Systems and Optics Theory	Laser Systems & Applications- Course 2	9780990312512	\$90.00
ENGL 1101	English Composition	Little Seagull Handbook (w/out exercises), 3rd Ed.	9780393602630	\$30.00
ENGL 1101	English Composition	The Little Seagull Handbook, 3rd Ed.	9780393630282	\$15.00
COMM 1101	Principles of Speech	Principles of Speech for COMM 1101 (Custom ISU), 4th Ed	9781680367621	\$90.00
PHYS 1101	Elements of Physics	Conceptual Physics (w/out Bind-In Access Code), 12th Ed.	9780321909107	\$217.00
TOTAL				\$1,730.00

Course Fees for ATC – Laser/Electro-Optics Technology

Course	Course Title	Fee
RCET 0155	Electronic Laboratory	\$100.00
RCET 0156	Electronic Control Devices Laboratory	\$100.00
RCET 0253	Systems Analog Digital Laboratory	\$75.00
RCET 0271	Introduction to Lab Simulation Software	\$35.00
TOTAL		\$310.00

Other Fees for ATC – Laser/Electro-Optics Technology

Description	Fee
Locker Deposit	\$5.00
Computer Account	\$35.00
Graduation Application fee for first Certificate/Degree	\$20.00
Optional fee for any additional Certificate/Degree	\$10.00
TOTAL	\$70.00

Book & Tool List

Tools/Supplies for ATC – Laser/Electro-Optics Technology

Quantity	Description	Cost
1	Laptop/Notebook Computer (NO Mac or Linux OS) Specifications: Processor: I5 Memory (RAM): 4GB Hard Drive: 250 GB Optical Drive: CD-RW/DVD Wireless: 802.11b/g Ethernet: 1GB Battery Life: 3-4 hours Warranty: 3 Years Operating System: Windows 7 Software, Office Suite: MS Office	\$1,000.00
1 or 2 for each semester	Tops Computation Notebook #35126 (Available in Tech Office)	\$10.00
1 for each semester	Single subject spiral notebooks	\$3.00
1	Jump Drive 8GB or greater	\$20.00
1	Digital Micrometer 6"	\$2.00
1	Tape, metric measure (Optional)	\$5.00
1	Tool Kit (Sold by Robotics Club) for 196.00 Tools listed below: DMM JMP Wires Safety Glasses ESDTWEEZER Kit Strippers Diagonal Cutter Needle Nose 4-1 Screw Driver Soldering Iron Stand Bread Board Resistor Kit Capacitor Kit Solder Kit Heat Sinks Desoldering Wick Precision Screw Drivers Tool Bag	\$196.00
1	Digital Volt-Ohm-Millampmeter Specifications: DC Voltage Ranges = 2V, 20V, 200V, 600V Resistance Ranges = >200?, 2K?, 200K?, 2M?, 20M? AC Current Ranges = >200mA, 20A DC Current Ranges = >20A, 200A, 200mA, 10A Input Impendence = 10-12M	\$70.00
TOTAL		\$1,306.00