

Book & Tool List

ROBOTICS AND COMMUNICATIONS SYSTEMS ENGINEERING TECHNOLOGY

Intermediate Technical Certificate: Basic Electronics

Book List for ITC – Basic Electronics

Course	Course Title	Book Title	ISBN	Cost
RCET 0153A	Basic Electricity and DC Circuit Theory	Electronics + Computer Math, 8 th 6 Ed.	9780131711372	141.10
RCET 0153A	Basic Electricity and DC Circuit Theory	Electronics Fund.: Circuits, Dev..., 9 th 22 Ed.	9780135583739	55.00
RCET 0153A	Basic Electricity and DC Circuit Theory	Foundations of Electric Circuits, 99 th Ed.	9780139077425	54.00
RCET 0153A	Basic Electricity and DC Circuit Theory	Complete Electronics Self-Teaching..., 4 th 12 Ed.	9781118217320	15.45
ENGL 1101	Writing & Rhetoric I	Little Seagull Handbook w/Access Pkg.	9780393877939	22.00
PSYC 1101 (Obj 6 Option)	Introduction to Psychology	Psychology Loose-leaf w/Access, 13 th Ed.	9781319393830	80.00
			TOTAL	\$367.55

Course Fees for ITC – Basic Electronics

Course	Course Title	Fee
RCET 0155A	Basic Electricity and DC Circuit Lab	50.00
RCET 0155B	Basic Electricity and AC Circuit Lab	80.00
RCET 0156A	Analog Control Devices Laboratory	60.00
RCET 0156B	Digital Control Devices Laboratory	40.00
		\$230.00

Other Fees for ITC – Basic Electronics

Description	Fee
Locker deposit	5.00
TOTAL	\$5.00

Tools/Supplies for ITC – Basic Electronics

Quantity	Description	Cost
1	Laptop/Notebook Computer (No MAC or Linux OS) Specifications: Processor: 15 Memory (RAM): 4GB Hard Drive: 250GB Optical Drive: CD-RW/DVD Wireless: 802.11 b/g Ethernet: 1 GB Battery Life: 3-4 Hours Warranty: 3 Years Operating System: Windows 10 Software: MS Office, Office Suite	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 higher	20.00
1	Digital Micrometer 6"	2.00
1	Tape, metric measure (optional)	5.00
1	Tool Kit (sold by Robotics Club) 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	70.00

Quantity	Description	Cost
	Resistance Ranges = >200V, 2K, 200K, 2M, 20M	
	AC Current Ranges = >200Ma, 20a	
	DC Current Ranges = >20A, 200A, 200Ma, 10A	
	Input Impedence = 10-12M	
		TOTAL \$1,306.00

Summary

Tuition	\$7,872.00
Books	\$367.55
Fees	\$235.00
Tools/Supplies	\$1,306.00
Program Total	\$9,780.55