

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 1153A	Basic Electricity and DC Circuit Theory	Emotional Intelligence 2.0 – With Passcode, 09 Ed.	9780974320625	34.99
PHYS 1101 (Obj. 5 Option)	Elements of Physics	Perusall Access-College Physics 1E, 16 Ed.	9781947172012	14.27
			TOTAL	\$49.26

Course Fees for ITC – Basic Electronics

Course	Course Title	Fee
RCET 1155A	Basic Electricity and DC Circuit Lab	50.00
RCET 1155B	Basic Electricity and AC Circuit Lab	80.00
RCET 1156A	Analog Control Devices Laboratory	60.00
RCET 1156B	Digital Control Devices Laboratory	40.00
		TOTAL \$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	1,000.00

Quantity	Description	Cost
	Ethernet: 1 GB Battery Life: 3-4 Hours Warranty: 3 Years Operating System: Windows 10 Software: MS Office, Office Suite	
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	PACE Soldering Tip	24.00
1	Tape, metric measure (optional)	5.00
1	Tool Kit (sold by Robotics Club)	196.00
	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	
1	Digital Volt-Ohm-Millampmeter	70.00
	Specifications: DC Voltage Ranges = 2V, 20V, 200V, 600V Resistance Ranges = >200V, 2K, 200K, 2M, 20M AC Current Ranges = >200Ma, 20a DC Current Ranges = >20A, 200A, 200Ma, 10A Input Impendence = 10-12M	
TOTAL		\$1,330.00

Summary

Tuition	\$9,339.00
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Books	\$49.26
Fees	\$235.00
Tools/Supplies	\$1,330.00
Program Total	\$10,953.26

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