

Book & Tool List

ROBOTICS AND COMMUNICATIONS SYSTEMS ENGINEERING TECHNOLOGY

Bachelor of Applied Science: Robotics Engineering Technology

Book List for BAS – Robotics Engineering Technology

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
RCET 2267	Radio Frequency Transmission Theory	Electronic Communications: A System Approach (Hardback), 14 Ed.	9780132988636	181.99
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	8220127707565	68.75
PHYS 1101 (Obj. 5 Option)	Elements of Physics	Perusall Access-College Physics 1E, 16 Ed.	9781947172012	14.27
CHEM 1101 (Obj. 5 Option)	Introduction to Chemistry	Bundle: Aktiv Chemistry – Semester + Math Diagnostic, 24 Ed.	8220142431490	50.00
PHIL 1103 (Obj. 4 Option)	Introduction to Ethics	Classics of Moral and Political Theory, 5 th 11 Ed.	9781603844420	43.50
CMP 2250 (Obj. 4 Option)	History and Appreciation of Photography	Photography in America, 16 Ed.	9780199314225	84.74
ENGL 3307	Professional and Technical Writing	Technical Communication, 14 th 25 Ed.	9781319414252	152.25
GLBL 2202 (Obj. 9 Option)	The World Today: Introduction to Global Issues	Global Politics, 3 rd 23 Ed.	9781350328419	38.96
ECON 2202 (Obj. 6 Option)	Principles of Macroeconomics	Principles of Microeconomics 5e Courseware, 5 th 26 Ed.	8220154660703	116.40
			TOTAL	\$785.85

Course Fees for BAS – Robotics Engineering Technology

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
RCET 2253	Systems Analog and Digital Laboratory	75.00
RCET 2268	Radio Frequency Transmission Lab	50.00
RCET 2271	Introduction to Lab Simulation Software	35.00
RCET 3371	Advanced Programming Techniques and GUI Development	45.00
RCET 3375	Advanced Computer Architecture and Embedded Systems Laboratory	50.00
RCET 3376	Advanced Systems Analysis Theory	100.00
FIN 1115 (Obj. 8 Option)	Personal Finance	7.50
TOTAL		\$592.50

Other Fees for BAS – Robotics Engineering Technology

Description	Fee
Locker deposit	5.00
TOTAL	\$5.00

Tools/Supplies for BAS – Robotics Engineering Technology

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

Quantity	Description	Cost
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-Millammeter	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	\$37,356.00
Books	\$785.85
Fees	\$597.50
Tools/Supplies	\$1,330.00
Program Total	\$40,069.35

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