

**ROBOTICS AND AUTOMATION CONTROL TECHNOLOGY
CURRICULUM**

First Semester	Hours
ELT 1193 Fundamentals of Electricity	3
IMM 1813 Industrial Electricity Level I	3
IMM 1313 Principles of Hydraulics and Pneumatics	3
ENG 1113 English Composition I	3
Humanities/Fine Arts Elective	3
Total Hours	15

Second Semester	Hours
IMM 1323 Motor Control Systems	3
IMM 1173 Motor Maintenance and Troubleshooting	3
ELT 1143 DC and AC Circuits for Electrical Technology	3
IMM 1383 Industrial Robotics	3
MAT 1313 College Algebra or higher	
or	
Natural Science with Lab	3/4
Total Hours	15/16

SECOND YEAR

First Semester	Hours
IAT 1173 Control Systems I for ACT	3
IMM 2423 Solid State Motor Controls	3
IMM 2613 Programmable Logic Controllers	3
ELT 2153 Industrial Robotics for Electrical Technology	3
Social/Behavioral Science Elective	3
Total Hours	15

Second Semester	Hours
IMM 2113 Systems Troubleshooting	3
IMM 2623 Advanced Programmable Logic Controllers	3
ELT 2163 Servo Control Systems for Electrical Technology	3
IAT 2913 Special Projects in IAT	
or	
ELT 2913 Special Projects in ELT	
or	
IMM 2913 Special Projects in IMM	3
SPT 1113 Public Speaking I	
or	
SPT 2173 Interpersonal Communication	3
Total Hours	18
Total Semester Hours	60/61

NOTE: Computer competency requirements must be met.