

A.T.C. Robotics and Communications Systems Engineering Technology

(3 Years)

Code	Title	Credits
Required Courses:		
RCET 1153A	Basic Electricity and DC Circuit Theory	4
RCET 1153B	Basic Electricity and AC Circuit Theory	4
RCET 1154A	Analog Control Devices Theory	4
RCET 1154B	Digital Control Devices Theory	4
RCET 1155A	Basic Electricity and DC Circuit Lab	2
RCET 1155B	Basic Electricity and AC Circuit Lab	2
RCET 1156A	Analog Control Devices Laboratory	2
RCET 1156B	Digital Control Devices Laboratory	2
RCET 2251	Systems Analog and Digital Theory	6
RCET 2253	Systems Analog and Digital Laboratory	5
RCET 2265	Computer Fundamentals and Introduction to Programming	4
RCET 2267	Radio Frequency Transmission Theory	6
RCET 2268	Radio Frequency Transmission Lab	5
RCET 2271	Introduction to Lab Simulation Software	2
RCET 1372	Calculus for Electronics	4
RCET 3371	Advanced Programming Techniques and GUI Development	4
RCET 3372	Advanced Applications of Calculus for Robotics	4
RCET 3373	Advanced Computer Architecture and Embedded Systems Theory	5
RCET 3374	Advanced Systems Analysis Theory	4
RCET 3375	Advanced Computer Architecture and Embedded Systems Laboratory	5
RCET 3376	Advanced Systems Analysis Theory	5
ENGL 1101 or ENGL 1101P	Writing and Rhetoric I ¹ Writing and Rhetoric I Plus	3
COMM 1101	Fundamentals of Oral Communication ¹	3
PHYS 1101 & 1101L or PHYS 1100 or PHYS 1111/1113	Elements of Physics and Elements of Physics Laboratory ¹ Essentials of Physics General Physics I	4
Total Credits		93

¹ Contributes to a General Education requirement.

Major Academic Plan (MAP)