

Advanced Technical Certificate: Robotics and Communications Systems Engineering Technology

(3 Years)

Code	Title	Credits
Required Courses:		
RCET 0153A	Basic Electricity and DC Circuit Theory	4
RCET 0153B	Basic Electricity and AC Circuit Theory	4
RCET 0154A	Analog Control Devices Theory	4
RCET 0154B	Digital Control Devices Theory	4
RCET 0155A	Basic Electricity and DC Circuit Lab	2
RCET 0155B	Basic Electricity and AC Circuit Lab	2
RCET 0156A	Analog Control Devices Laboratory	2
RCET 0156B	Digital Control Devices Laboratory	2
RCET 0251	Systems Analog and Digital Theory	6
RCET 0253	Systems Analog and Digital Laboratory	5
RCET 0264	Introductory Calculus	4
RCET 0265	Computer Fundamentals and Introduction to Programming	4
RCET 0267	Radio Frequency Transmission Theory	6
RCET 0268	Radio Frequency Transmission Lab	5
RCET 0271	Introduction to Lab Simulation Software	2
RCET 1372	Calculus for Advanced Electronics	4
RCET 3371	Advanced Programming Techniques and GUI Development	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	3-4
COMM 1101	Fundamentals of Oral Communication ¹	3
PHYS 1101 & 1101L	Elements of Physics and Elements of Physics Laboratory ¹	4
Total Credits		93-94

¹ Contributes to a General Education requirement.