A.A.S. Robotics and Communications Systems Engineering Technology

(3 Years)

General Education

The listing below includes program requirements that also fulfill General Education requirements.

Code	Title	Credits
Objective 1		3
Objective 2		3
Objective 3		3
Objective 6		3
Any unfilled objective		3
Total Credits		**15**

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
General Education courses: [1]		
COMM 1101	Fundamentals of Oral Communication [2]	3
PHYS 1101 & 1101L	Elements of Physics and Elements of Physics Laboratory [2]	4
or PHYS 1100	Essentials of Physics	
or PHYS 1111/1113	General Physics I	
Additional General Education courses		6
Total Credits		**96**

[1] See General Education Requirements (minimum 15 credits) for A.A.S. Degree at the start of the College of Technology section of the catalog.

[2] Contributes to a General Education requirement.

Degree Totals

Code	Title	Credits
Program Admissions Requirements		0
General Education		15
Major Requirements (w/o General Education)		83
Free Electives		0
Total Credits		**98**

Major Academic Plan (MAP)