

Bachelor of Applied Science: Robotics Engineering Technology

(4 Years)

In addition to 8 of the 9 General Education Objectives (a minimum of 36 credits--see the General Education Requirements (<http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation>) in the Academic Information section of this catalog), Robotics Engineering Technology majors are required to take the following courses:

Code	Title	Credits
Required Courses:		
ENGL 3307	Professional and Technical Writing	3
PHYS 1101 & 1101L	Elements of Physics and Elements of Physics Laboratory	4
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
Select a minimum of 10 credits from the following:		10
RCET 3331	Laser Systems and Optics Theory	4
RCET 3332	Laser Systems and Optics Laboratory	3
RCET 3370	Electronic Drafting for PCB Design	3
RCET 3382	Rapid Prototyping Technologies	2
RCET 3383	Advanced Laser Systems and Optics Theory	5
RCET 3384	Advanced Laser Systems and Optics Laboratory	3
RCET 3396	Independent Study	1-8

RCET 3398	Special Topics	1-8
MGT or OLP Upper Division Courses Numbered 3300-4499		3-9

For information contact:

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Student Services
RFC Building (Bldg #48)
(208) 282-3939
<http://www.isu.edu/ctech/studentsservices/>