School of Engineering and Technology – *PLAN OF STUDY*

BS Degree in Electrical Engineering Technology

(For Students Entering the Program in 2016 or later)

Freshman Year – Fall Semester	
EGME-141 Solid Modeling (2,2)	3
EGNR-101 Introduction to Engineering (1,2)	2
ENGL-110 First-Year Composition I (3,0)	3
MATH-111[2] College Algebra (3,0)	3
Social Science Elective (3,0)	3
	14

Freshman Year – Spring Semester	
CHEM-108 Applied Chemistry (3,0)	3
CHEM-109 Applied Chemistry Lab (0,3)	1
EGEE[2]**-125** Digital Fundamentals (3,2)	4
ENGL-111 First-Year Composition II (3,0)	3
MATH-131 College Trigonometry (3,0)	3
Cultural Diversity Elective (3,0)	3
	17

Sophomore Year – Fall Semester	
COMM-101,201,or 225 Speech Communication Course (3,0)	3
EGET-110[1,2] Applied Electricity (3,2)	4
EGNR-140 Linear Algebra and Num Methods for Engineers (1,3)	2
MATH-112[2] Calculus for Business and Life Science (4,0)	4
PHYS-221[2] Elements of Physics I (3,2)	4
	17

Sophomore Year – Spring Semester	
EGET-175[1,2] Applied Electronics (3,2)	4
EGNR-245[1] Calculus Applications for Technology (2,2)	3
EGNR-265[2] C Programming (3,0)	3
PHYS-222 Elements of Physics II (3,2)	4
Technical Elective	2-3
	16-17

Junior Year – Fall Semester	
EGEE-250 Microcontroller Fundamentals (3,2)	4
EGRS-380 Robotics Technology (2,0)	2
EGRS-381 Robotics Technology Lab (0,3)	1
MATH-207 Principles of Statistical Methods (3,0)	3
Humanities Elective (3,0)	3
Technical Elective	3-4
	16-17

Junior Year – Spring Semester	
EGEE-355[1] Microcontroller Systems (3,3)	4
EGET-310[1] Electronic Manufacturing Processes (3,3)	4
EGRS-365 Programmable Logic Controllers (2,3)	3
MGMT-371 Business and Operations Analytics (3,0)	3
Free Elective	3
	17

Senior Year – Fall Semester	
EGEE-320[1] Digital Design (3,3)	4
EGNR-491 Engineering Design Project I (2,3)	3
EGNR-310[1] Advanced Quality Engineering (3,0)	3
Technical Elective	3-4
	14-15

Senior Year – Spring Semester	
ECON-302[1] Managerial Economics (4,0)	4
Humanities Elective (3,0) or (4, 0)	3-4
EGNR-495 Engineering Design Project II (1,6)	3
Technical Electives (*as necessary to total 12 credits*)	2-4
	12-15

Total Credits Required (minimum): ***124***

Technical Electives Required for Robotics Technology Minor

The courses noted below can be taken as technical electives for the EET degree and will also apply towards the Robotics Minor

EGRS-215[3] Introduction to Robotics (1,2)	2
EGRS-430 Systems Integration and Machine Vision (3,3)	4
EGRS-480 Control Systems and Automation (3,0)	3
EGRS-481 Control Systems and Automation Lab (0,3)	1
EGNR-496 Senior Directed Project (1,6)	3

[1] These courses are offered every other year. [2] Grade of C or better required.
[3] If this course is not offered, technical elective credits may be used to replace this course
Please meet with program coordinator to determine technical electives applicable to this program.