



Total Credits =150

Legend	Professional Electives:	Professional Electives from other departments can be taken with approval of faculty advisor
<b>Math</b>	<b>Biomedical</b>	<b>Digital &amp; Computer Systems</b>
<b>Comp Science</b>	EEEE-630 Biomedical Instrumentation	EEEE-620 Design of Digital Systems*
<b>Physics</b>	EEEE-631 Biomedical Sensors & Transducers I	EEEE-621 Design of Computer Systems*
<b>Chemistry</b>		
<b>Liberal Arts</b>	<b>Communications</b>	<b>Electromagnetic Microwaves and Antenna</b>
<b>Elect Engr</b>	EEEE-692 Communication Networks	EEEE-617 Microwave Circuit Theory
<b>FYE</b>	EEEE-693 Digital Data Communications	EEEE-629 Antenna Theory & Design
<b>Graduate</b>	EEEE-694 Sens Array Proc for Wireless Comm	EEEE-605 Modern Optics for Engineers
<b>Restr Sci Elect</b>		
<b>Free Elect</b>	<b>Control/RoboticsSystems</b>	<b>MEMS</b>
<b>Co-op</b>	EEEE-647 Artificial Intelligence	EEEE-689 Fundamentals of MEMS
Course Name	EEEE-685 Principles of Robotics*	EEEE-787 MEMS Evaluation
Course #	EEEE-636 Biorobotics & Cybernetics*	
(Cr) Quarters-		<b>Signal Processing</b>
* Indicates lab included	<b>Devices and Integrated Circuits</b>	EEEE-678 Digital Signal Processing
<b>Prerequisites</b>	EEEE-610 Analog Electronic Design	EEEE-694 Sens Array Proc for Wireless Comm
Definitions	EEEE-683 Mechatronics	EEEE-695 Optimization Methods for Engineers
Course Prerequisites	<b>NOTES</b>	
Prerequisite	**EEEE-602 Is NOT required for Digital Systems, MEMS, and Integrated Electronics focus areas	
	Refer to your advisement report in SIS for a full list of professional electives	

**Co-op Requirements: 40 Weeks**  
 EEEE-499:  
 Summer after 2nd year and Fall of 3rd year  
 Summer after 3rd year OR Summer after 4th year