

**MASTER of SCIENCE GRADUATE PLAN OF WORK for Biomimetic Systems (Pattern Recognition)**

On this page list your proposed program in chronological order. Be sure to show a total of at least 30 hours. If this represents an accelerated BS/MS program, mark double counted courses (ABM) and any other graduate courses taken during the undergraduate program (UG).

\* Electives may be replaced with other courses.

<b>ECE COURSES</b>				
<b>21 hours coursework required, maximum 6 hours 695</b>				
<b>Course Prefix/Number</b>	<b>Major Track (EE, CPE)</b>	<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
ECE 592M Bioinformation	EE	3	F1	
ECE 513 DSP	EE	3	F1	
ECE 514 Random Processes	EE	3	F1	
ECE 540 Electromagnetic Fields	EE	3	S1	
BME 525 Bioelectricity	BME	3	S1	
*ECE 764 Dig. Im. Proc.	EE	3	S1	
*ECE 591N Evolution. Comp. for Ctrl, Machine Learning, and Opt.	EE	3	F2	
ECE 763 Comp. Vision	EE	3	F2	
ECE 759 Pattern Recognition	EE	3	S2	
ECE 742 Neural Networks	EE	3	S2	

<b>Other Courses</b>				
<b>Course Prefix/Number</b>	<b>Minor – check if minor area</b>	<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
*BME 590I Med. Imag.	BME	3	F	
*MA 405 Intro. to Linear Algebra and Matrices	MA	3	F,S,Sum	
*MA 501 Adv. Math. for Eng. and Sci. I	MA	3	F,S,Sum	
*MA 511 Adv. Calculus I	MA	3	F	
*ECE 751 Detection and Est. Theo.	ECE	3	S	