Electrical Engineering B.S. Degree
2014-2015 Curriculum Chart

Communications, Signals, Systems & Controls

** EE 130L / 230 Optical Fiber Communication **
** EE 136 Engineering Electromagnetics (Strongly Recommended) **
** EE 152 / 252 Intro to Wireless Signals/Systems **
** EE 153 / 250 Digital Signal Processing **
** EE 154 / 241 Feedback Control Systems **
** EE 251 Principles of Digital Communications **
** EE 253 Introduction to Information Theory **
** EE 261 Error Control Coding **
** EE 262 Statistical Signal Processing **
** EE 264 Image Processing and Reconstruction **
** CMPE 118/L Intro to Mechatronics **
** CMPE 150/L Intro Computer Networks **
** CMPE 251 Error-Control Coding **

Electronics & Optics

** EE 104 Bio-electronics & Bio-instrumentation **
** EE 115 Intro to MEMS Design **
** EE 130L / 230 Optical Fiber Communication **
** EE 136 Engineering Electromagnetics (Strongly Recommended) **
** EE 154 / 241 Feedback Control Systems **
** EE 157/L RF Hardware Design/Lab **
** EE 172 / 221 Advanced Analog Integrated Circuits **
** EE 173/L High Speed Digital Design **
** EE 175/L Energy Generation and Control **
** EE 176/L Energy Conversion and Control **
** EE 177/L Power Electronics **
** EE 178 Device Electronics **
** EE 180J Advanced Renewable Energy Sources **
** EE 211 Introduction to Nanotechnology **
** EE 213 Nanocharacterization of Materials **
** EE 231 Optical Electronics **
** CMPE 118/L Intro to Mechatronics **
** CMPE 121/L Microprocessor System Design (Strongly Recommended) **

Senior Design Project (Choose one):

** EE 129A Engineering Design Project I **
(EE 171/L-C100/L, 185, instructor permission)

** EE 129B Engineering Design Project II **
(EE 129A and one of the following: EE157/L, CE118/L, or EE121/L, instructor permission)

** EE 129C Engineering Design Project III **
(EE 129B)

EE 195 Senior Thesis

(EE 171/L-C100/L, instructor permission)

Exit Requirements:

1. Complete an Exit Survey.
2. Attend an Exit Interview with a designated EE faculty.
3. Maintain a 2.5 cumulative GPA in all required and elective courses for the major. OR submit a Portfolio for Department Review, OR submit a Senior Thesis with Department Approval.

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Student Name:

Staff Advisor:

Faculty Advisor: