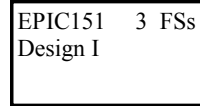
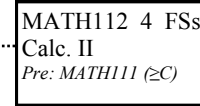
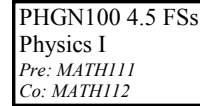
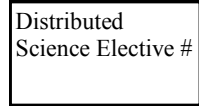
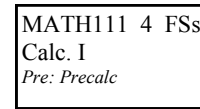
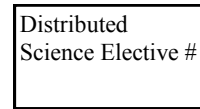
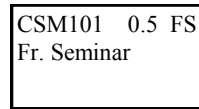
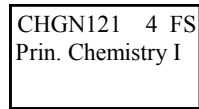
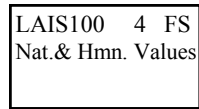
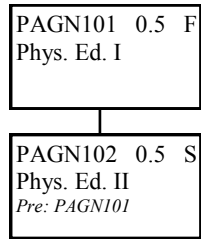


College of Engineering & Computational Sciences

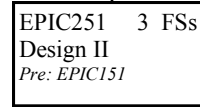
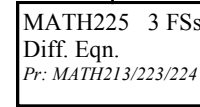
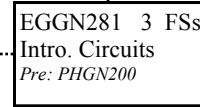
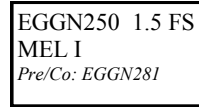
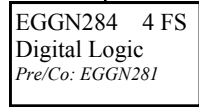
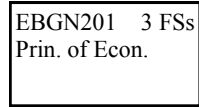
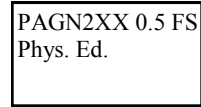
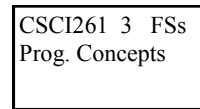
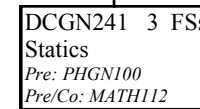
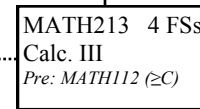
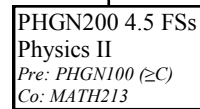
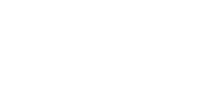
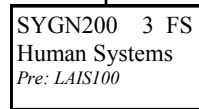
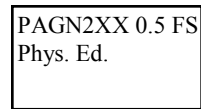
B.S. Electrical Engineering ~ Advising Flowchart ~ 2012-2013

(See back for legend and list of Electrical Electives)

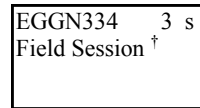
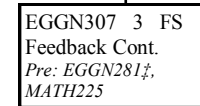
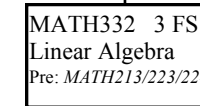
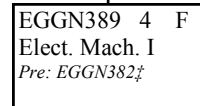
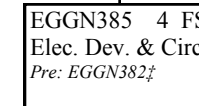
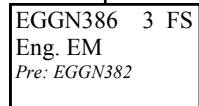
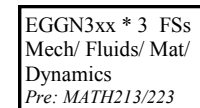
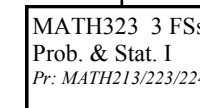
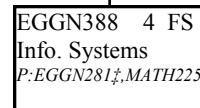
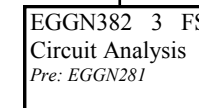
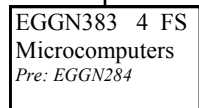
Freshman Year



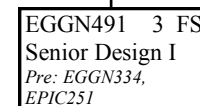
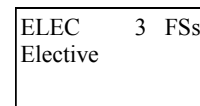
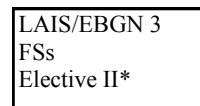
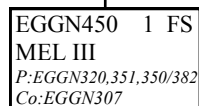
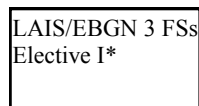
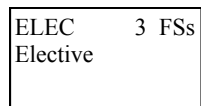
Sophomore Year



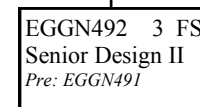
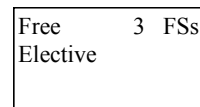
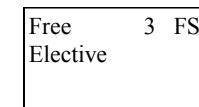
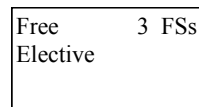
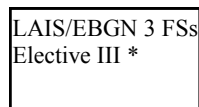
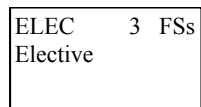
Junior Year



Senior Year



† Prerequisites:
EGGN382, 388, and 2
of 384, 385, 389 and
EPIC251



* See 2012-13 Undergrad Bulletin for list of acceptable courses

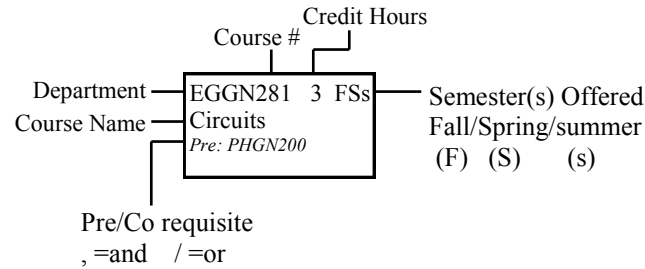
‡ PHGN215 can be substituted for specified prerequisite

BELS101, CHGN122, CSCI101 or SYGN101 may be taken for Distributed Science Electives
* one of EGGN315, EGGN320, EGGN351 or EGGN371

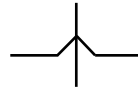
Electrical Electives

Electrical specialty students are required to take three courses from the following list of electrical technical electives: *

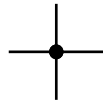
Legend



Shows lines crossing over but not connecting



Shows lines crossing and connecting together



Concurrent Enrollment Allowed
 (Arrow points toward course with pre/co requisite requirement)



EGGN325	Introduction to Biomedical Engineering
EGGN400	Introduction to Robotics
EGGN417	Modern Control Design
EGGN460	Numerical Methods for Engineers
EGGN481	Digital Signal Processing
EGGN482	Microcomputer Architecture and Interfacing
EGGN483	Analog and Digital Communications Systems
EGGN484	Power Systems Analysis
EGGN485	Introduction to High Power Electronics
EGGN486	Practical Design of Small Renewable Energy Systems
EGGN487	Analysis and Design of Advanced Energy Systems
CSCI341	Computer Organization
CSCI410	Elements of Computing Systems
CSCI/MATH440	Parallel Computing for Scientists and Engineers
MATH334	Introduction to Probability
MATH335	Introduction to Mathematical Statistics
MATH455	Partial Differential Equations
PHGN300	Modern Physics
PHGN320	Modern Physics II
PHGN412	Mathematical Physics
PHGN435	Interdisciplinary Microelectronics Processing Laboratory
PHGN440	Solid State Physics
PHGN441	Solid State Physics Applications & Phenomena
PHGN462	Electromagnetic Waves & Optical Physics

* Additional courses are advisor and Dean approved special topics with a number EGGN398/498 and all graduate courses taught in the Electrical Engineering specialty area. Students should consult their faculty advisor for guidance.