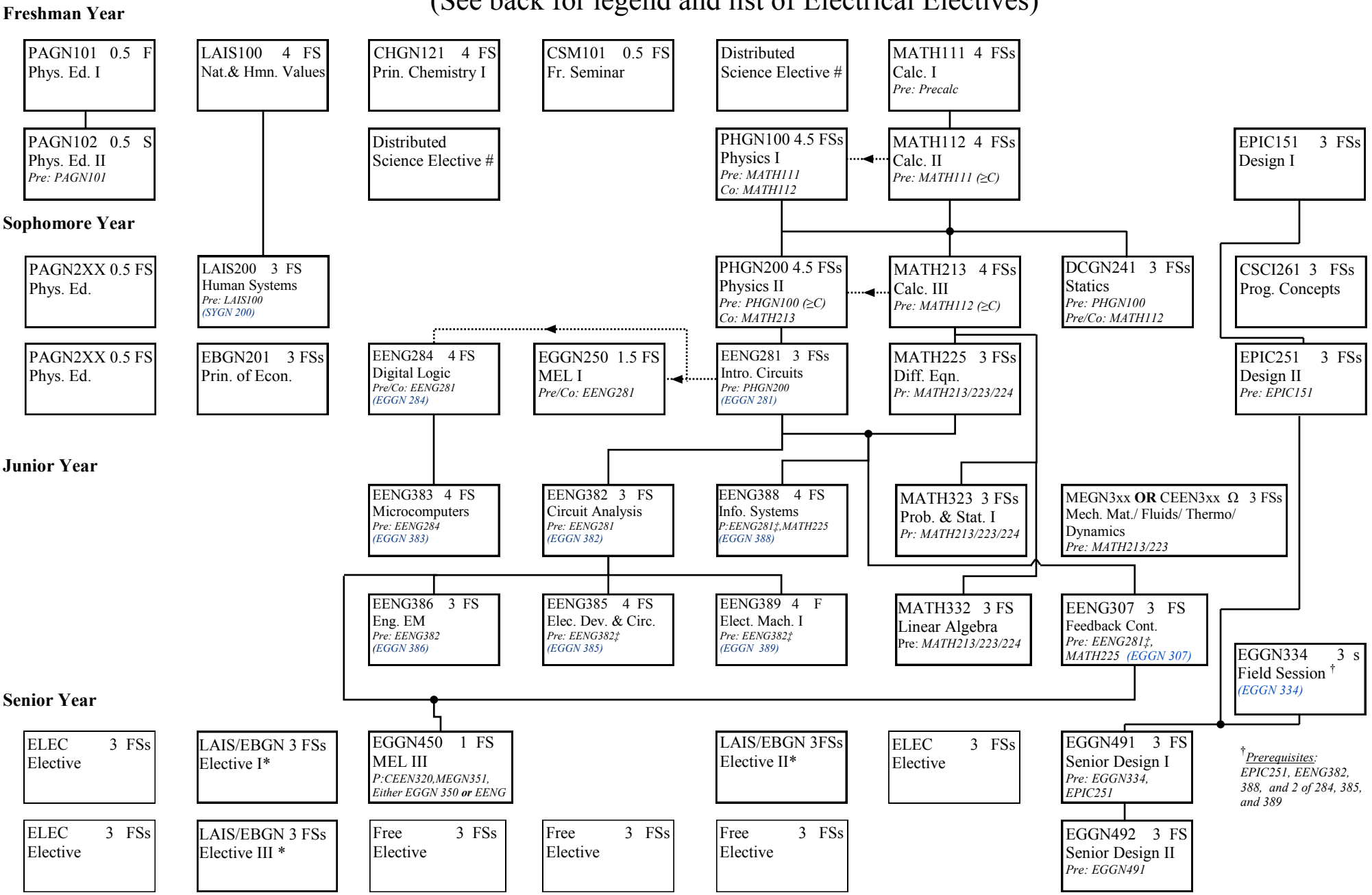
College of Engineering & Computational Sciences

B.S. Electrical Engineering ~ Advising Flowchart ~ 2013-2014

(See back for legend and list of Electrical Electives)



* See 2013-14 Undergrad Bulletin for list of acceptable courses

(EGGN xxx) = Old Numbering

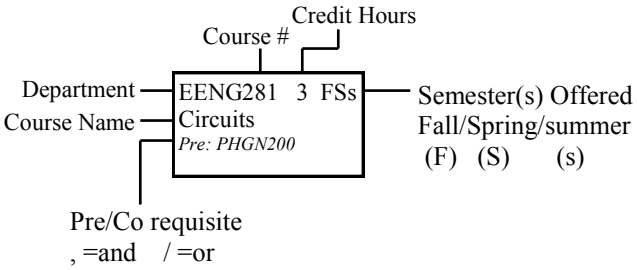
‡ PHGN215 can be substituted for specified prerequisite

BELS101, CHGN122, CSCI101 or GEGN101 may be taken for Distributed Science Electives

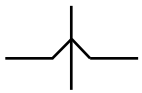
Ω One of MEGN315 (EGGN315), CEEN311(EGGN320), MEGN351(EGGN351) or MEGN361(EGGN371)

Updated: 5/8/13

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)

Electrical Electives

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

MEGN330 (EGGN325)	Introduction to Biomechanical Engineering
MEGN441 (EGGN400)	Introduction to Robotics
EENG417 (EGGN 417)	Modern Control Design
EENG460	Numerical Methods for Engineers
EENG411 (EGGN481)	Digital Signal Processing
EENG413 (EGGN483)	Analog and Digital Communications Systems
EENG480 (EGGN484)	Power Systems Analysis
EENG470 (EGGN485)	Introduction to High Power Electronics
EGGN472 (EGGN486)	Practical Design of Small Renewable Energy Systems
EENG481 (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.