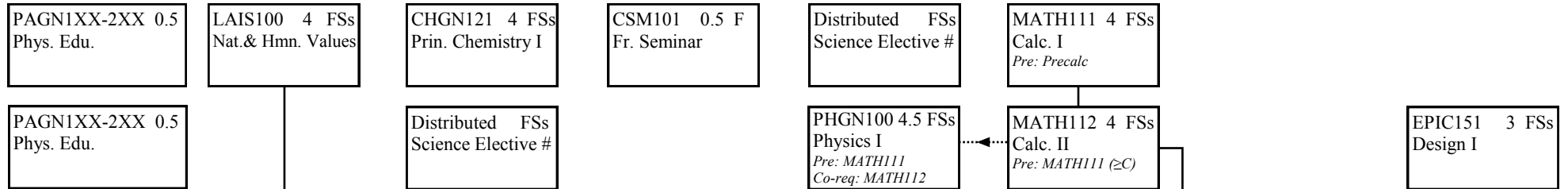


College of Engineering & Computational Sciences

B.S. Electrical Engineering ~ Advising Flowchart ~ 2016-2017

(See back for legend and list of Electrical Electives)

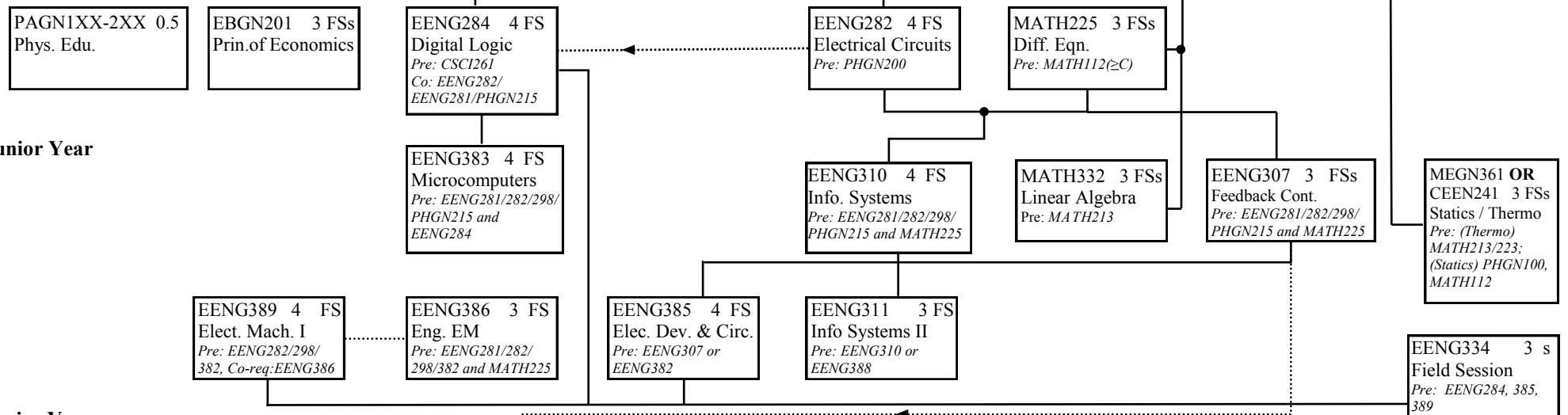
Freshman Year



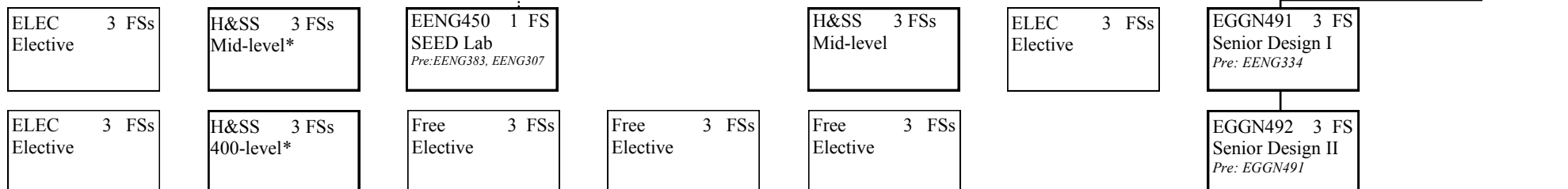
Sophomore Year



Junior Year



Senior Year



* See 2016-2017 Undergrad Bulletin for list of acceptable courses

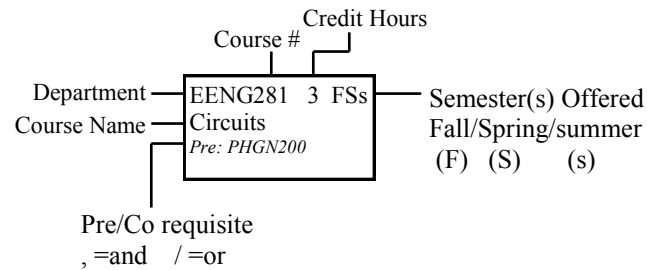
‡ PHGN215 can be substituted for specified prerequisite

CBEN110, CHGN122 or CHGN125, CSCI101 or GEGN101 may be taken for Distributed Science

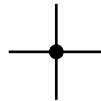
Electrical Electives

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

Legend



Shows lines crossing and connecting together



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



CEEN405	Numerical Methods for Engineers
CSCI341	Computer Organization
CSCI410	Elements of Computing Systems
CSCI440	Parallel Computing for Scientists & Engineers
EENG398	Renewable Resources & Electricity
EENG411	Digital Signal Processing
EENG413	Analog and Digital Communications Systems
EENG417	Modern Control Design
EENG421	Semiconductor Physics & Design
EENG425	Introduction to Antennas
EENG427	Wireless Communication Systems
EENG470	Introduction to High Power Electronics
EENG472	Practical Design of Small Renewable Energy Systems
EENG480	Power Systems Analysis
EENG481	Analysis and Design of Advanced Energy Systems
EENG489	Computational Methods in Energy Systems & Power
MATH334	Introduction to Probability
MATH335	Introduction to Mathematical Statistics
MATH455	Partial Differential Equations
MATH440	Parallel Computing for Scientists and Engineers
MEGN330	Introduction to Biomechanical Engineering
MEGN441	Introduction to Robotics
PHGN300	Modern Physics I
PHGN320	Modern Physics II: Quantum
PHGN435	Interdisciplinary Microelectronics Processing Laboratory
PHGN440	Solid State Physics
PHGN441	Solid State Physics Applications & Phenomena
PHGN462	Electromagnetic Waves & Optical Physics

*Additional EENG or CSCI 400 level and graduate level classes taught in the EECS department can be considered as tech electives. Talk to your advisor for further guidance. 300 level or higher courses from other departments can be considered by the Department Head.