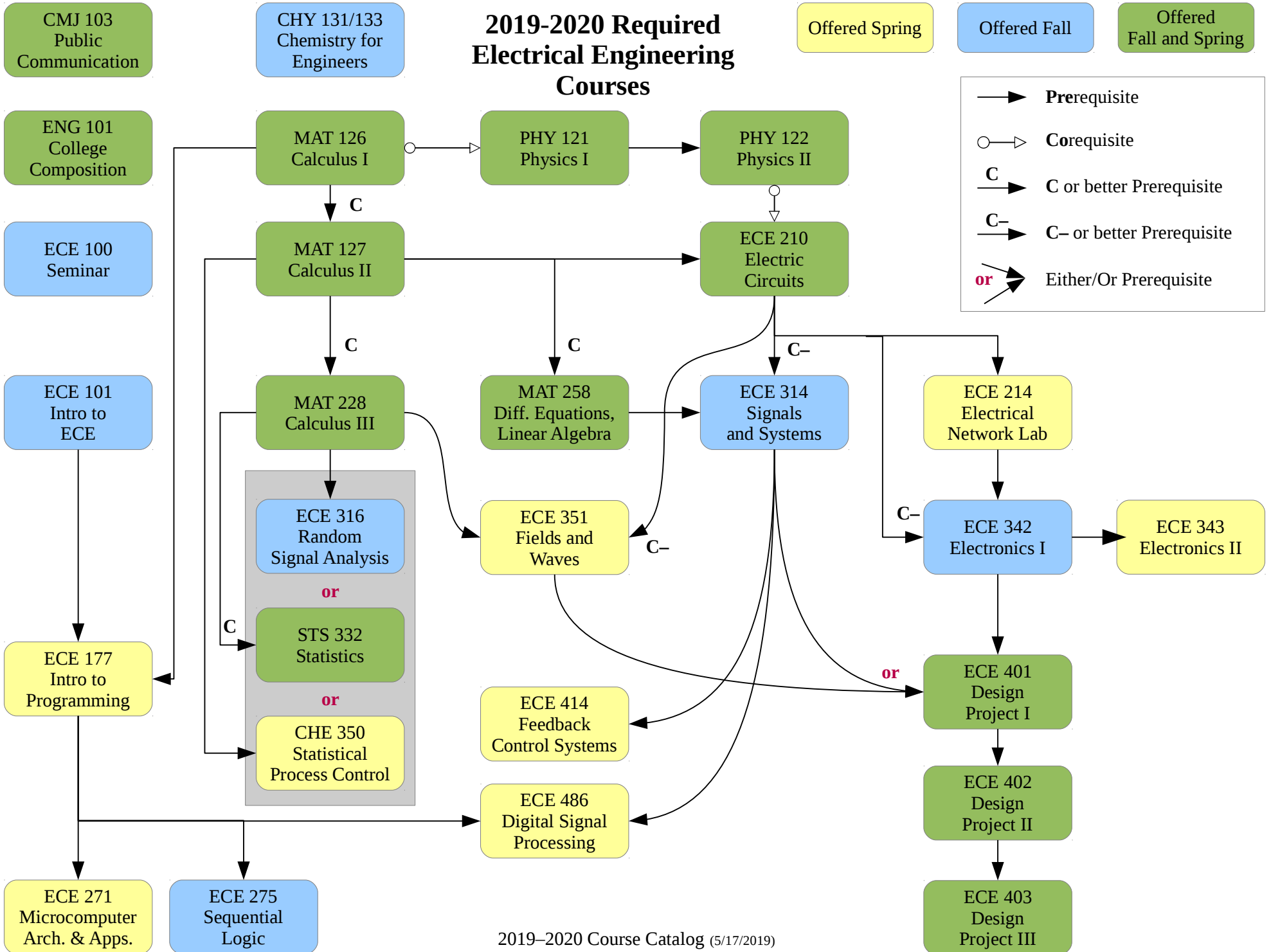


2019-2020 Required Electrical Engineering Courses

Offered Spring

Offered Fall

Offered Fall and Spring



2019-2020 Electrical Engineering Technical Electives

Offered Spring
(prerequisites)

Offered Fall
(prerequisites)

Offered
Fall and Spring
(prerequisites)

EE Focus Technical Electives: You must take at least *three* of these

ECE 323
Electric
Power Conversion
(ECE 214 & C- in ECE210)

ECE 427
Electric Power
Systems
(C- in ECE210)

ECE 484
Communications
Engineering
(ECE314 & ECE 316)

ECE 444
Analog IC
Design
(ECE314 & ECE343)

ECE 462
Semiconductor
Devices
(Chy131,PHY122,MAT258)

ECE 465
Introduction to
Sensors
(junior standing)

ECE 498
Selected Topics
with EE focus
(varies)

ECE 453
Microwave
Engineering
(ECE351)

ECE 445
Digital IC
Design
(ECE342)

ECE 464
Microelectronics
Engineering
(Chy131,PHY122,MAT258)

ECE 466
Sensor Technology
and Instrumentation
(ECE 465)

ECE 331
Intro to Unix
Sys. Admin.
(ECE177)

ECE 435
Network
Engineering
(ECE331 or ECE471)

ECE 471
Embedded
Systems
(ECE271)

ECE 477
Hardware
Applications in C
(ECE271)

ECE 417
Introduction to
Robotics
(ECE177 & MAT228)

ECE 473
Computer
Arch. & Org.
(ECE275)

ECE 478
Industrial
Computer Control
(ECE271)

Other Courses
with
Adviser Approval
(varies)

ECE 498
Selected Topics
(varies)

If you wish to specialize in an area, some possibilities are:

Power and Alternative Energy
ECE 323, ECE427

Communications and Wireless
ECE484, ECE453

Microelectronics and Circuits
ECE444, ECE445, ECE462,
ECE464, PHY236

Solid State and Sensors
ECE453, ECE465,
ECE462, ECE464, PHY236