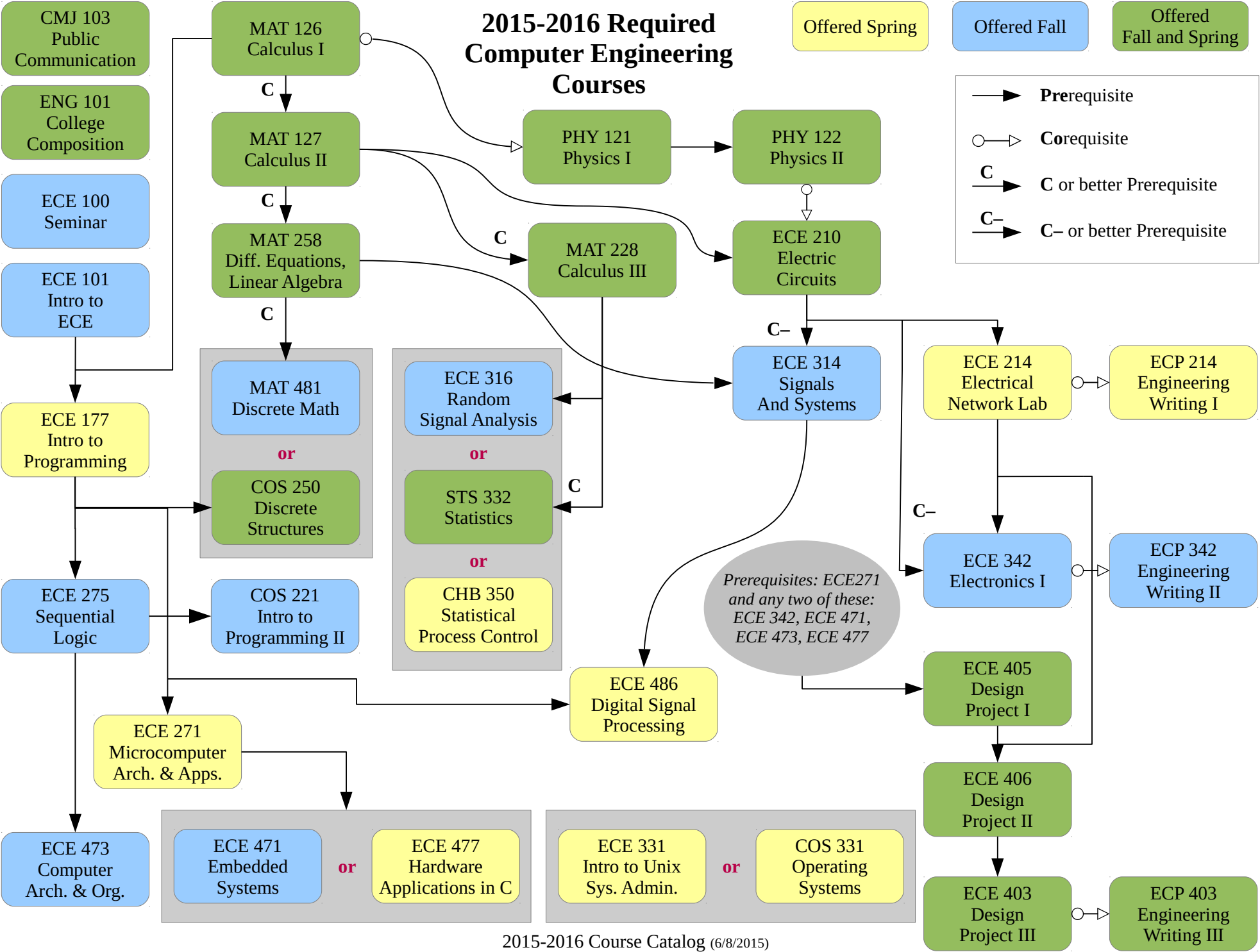
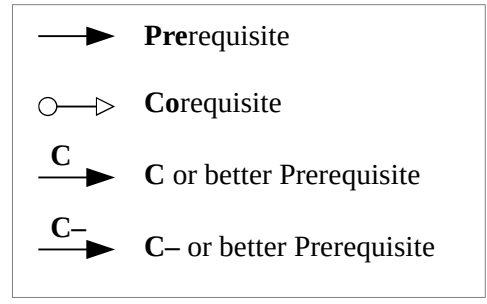


2015-2016 Required Computer Engineering Courses

Offered Spring Offered Fall Offered Fall and Spring



2015-2016 Computer Engineering Technical Electives

Offered Spring
(prerequisites)

Offered Fall
(prerequisites)

Offered
Fall and Spring
(prerequisites)

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

ECE 417
Introduction to
Robotics
(ECE177 & MAT228)

ECE 471
Embedded
Systems
(ECE271)

ECE 478
Industrial
Computer Control
(ECE271)

COS 3xx
Computer Science
Elective
(varies)

ECE 477
Hardware
Applications in C
(ECE277)

ECE 498
Selected Topics
with CE focus
(varies)

COS 4xx
Computer Science
Elective
(varies)

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

Embedded Control
ECE478, ECE477,
ECE471, ECE414

High Performance Computing
ECE331, ECE477

Robotics
ECE417, ECE477,
ECE471, ECE487

ECE 414
Feedback
Control Systems
(ECE314)

ECE 484
Communications
Engineering
(ECE314 & ECE316)

ECE 323
Electric
Power Conversion
(C- in ECE210 or ECE214)

ECE 444
Analog IC
Design
(ECE314 & ECE343)

ECE 462
Semiconductor
Devices
(Chy131,PHY122,MAT258)

ECE 498
Selected Topics
(varies)

ECE 351
Fields and
Waves
(ECE210 & MAT228)

ECE 427
Electric Power
Systems
(ECE210 & ECE 214)

ECE 445
Digital IC
Design
(ECE342)

ECE 464
Microelectronics
Engineering
(Chy131,PHY122,MAT258)

Other Courses
with
Adviser Approval
(varies)

ECE 453
Microwave
Engineering
(ECE351)

ECE 465
Introduction to
Sensors
(junior standing)