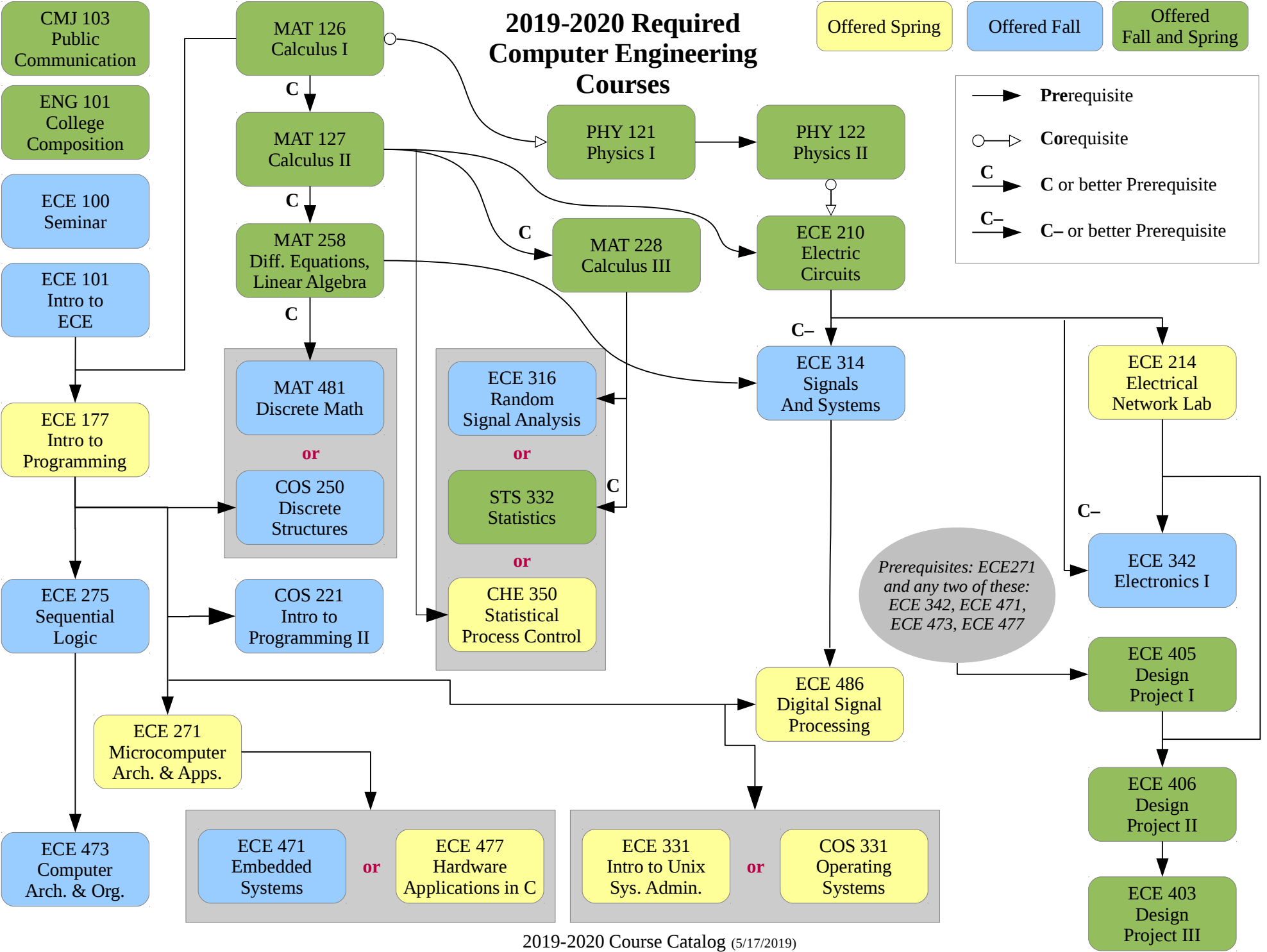
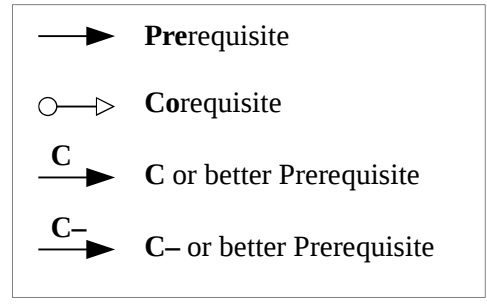


2019-2020 Required Computer Engineering Courses

Offered Spring Offered Fall Offered Fall and Spring



2019-2020 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 435 Network Engineering (ECE331 or ECE471)	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 (ECE214 & C- in ECE210)	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 (C- in ECE210)	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)	ECE 466 Sensor Technology and Instrumentation (ECE 465)