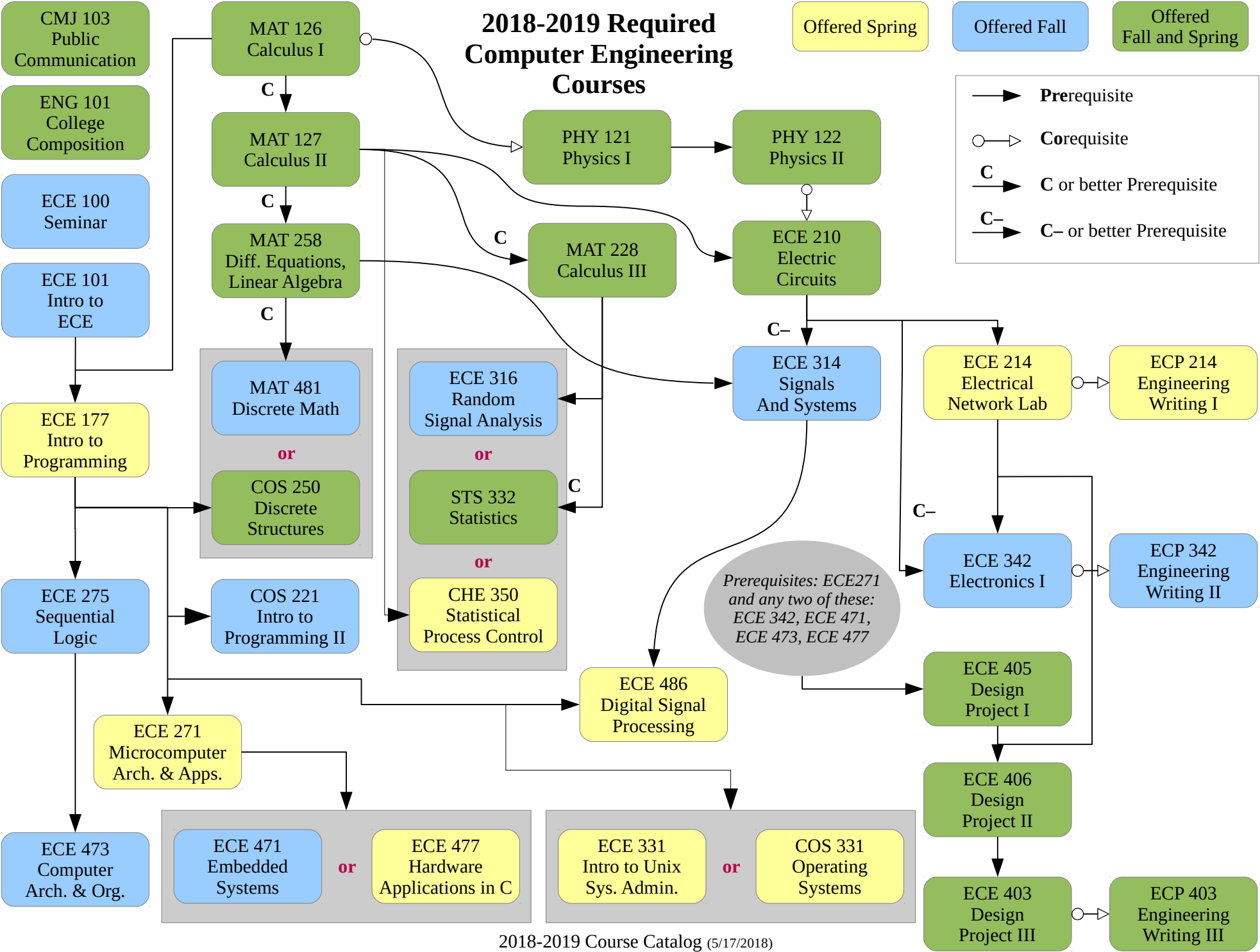
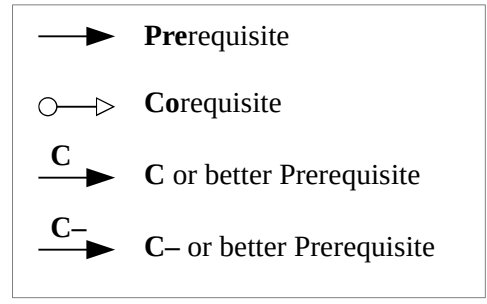


2018-2019 Required Computer Engineering Courses

Offered Spring

Offered Fall

Offered Fall and Spring



2018-2019 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)	