Computer Engineering BS/MS Program Schedule for Exam Option
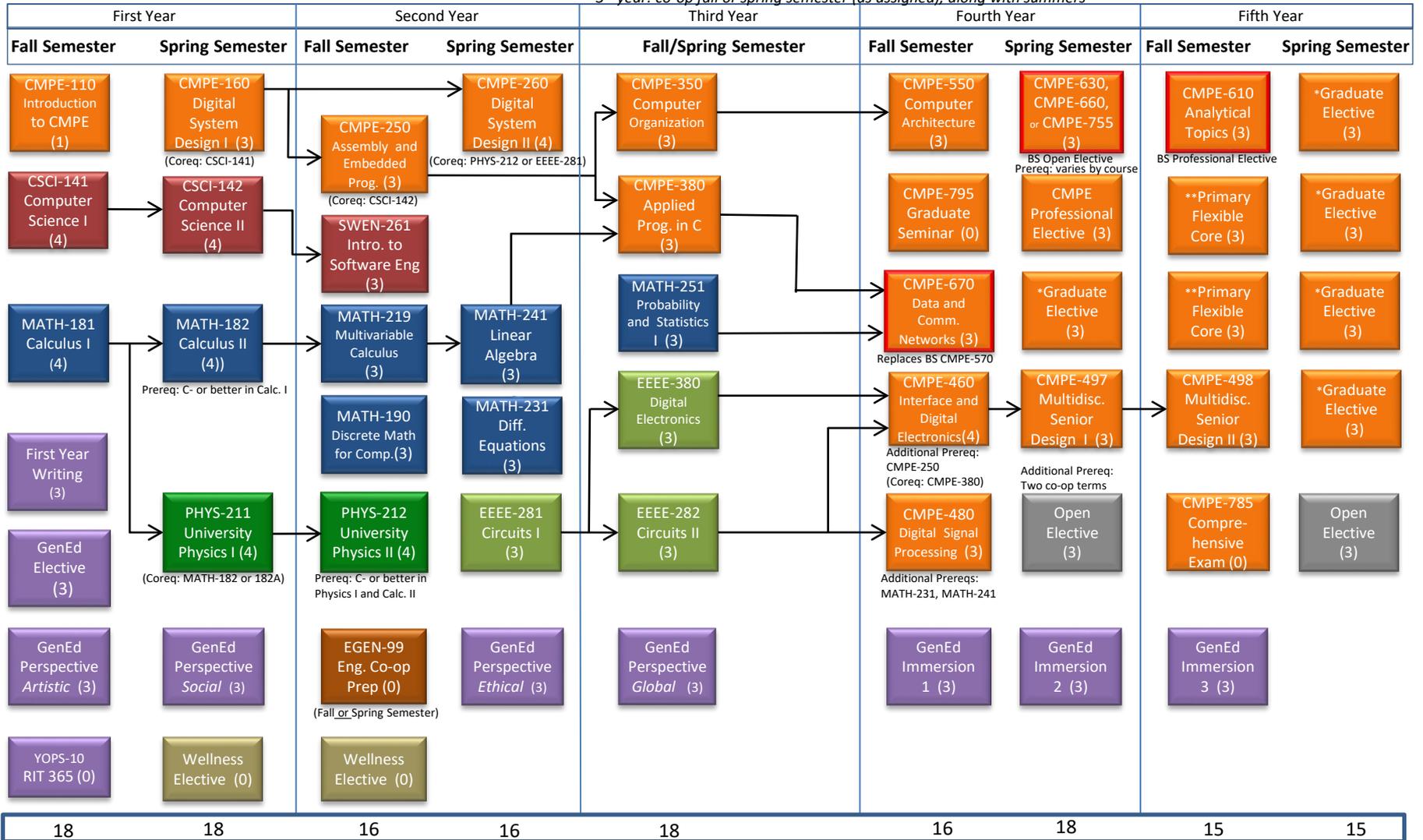
3rd year: co-op fall or spring semester (as assigned), along with summers

First Year		Second Year		Third Year	Fourth Year		Fifth Year	
Fall Semester	**Spring Semester**	**Fall Semester**	**Spring Semester**	**Fall/Spring Semester**	**Fall Semester**	**Spring Semester**	**Fall Semester**	**Spring Semester**
CMPE-110 Introduction to CMPE (1)	CMPE-160 Digital System Design I (3) (Coreq: CSCI-141)	CMPE-250 Assembly and Embedded Prog. (3) (Coreq: CSCI-142)	CMPE-260 Digital System Design II (4) (Coreq: PHYS-212 or EEEE-281)	CMPE-350 Computer Organization (3)	CMPE-550 Computer Architecture (3)	CMPE-630, CMPE-660, or CMPE-755 (3) BS Open Elective Prereq: varies by course	CMPE-610 Analytical Topics (3) BS Professional Elective	*Graduate Elective (3)
CSCI-141 Computer Science I (4)	CSCI-142 Computer Science II (4)	SWEN-261 Intro. to Software Eng. (3)		CMPE-380 Applied Prog. in C (3)	CMPE-795 Graduate Seminar (0)	CMPE Professional Elective (3)	**Primary Flexible Core (3)	*Graduate Elective (3)
MATH-181 Calculus I (4)	MATH-182 Calculus II (4)) Prereq: C- or better in Calc. I	MATH-219 Multivariable Calculus (3)	MATH-241 Linear Algebra (3)	MATH-251 Probability and Statistics I (3)	CMPE-670 Data and Comm. Networks (3) Replaces BS CMPE-570	*Graduate Elective (3)	**Primary Flexible Core (3)	*Graduate Elective (3)
		MATH-190 Discrete Math for Comp.(3)	MATH-231 Diff. Equations (3)	EEEE-380 Digital Electronics (3)	CMPE-460 Interface and Digital Electronics(4) Additional Prereq: CMPE-250 (Coreq: CMPE-380)	CMPE-497 Multidisc. Senior Design I (3) Additional Prereq: Two co-op terms	CMPE-498 Multidisc. Senior Design II (3)	*Graduate Elective (3)
First Year Writing (3)	PHYS-211 University Physics I (4) (Coreq: MATH-182 or 182A)	PHYS-212 University Physics II (4) Prereq: C- or better in Physics I and Calc. II	EEEE-281 Circuits I (3)	EEEE-282 Circuits II (3)	CMPE-480 Digital Signal Processing (3) Additional Prereqs: MATH-231, MATH-241	Open Elective (3)	CMPE-785 Compre-hensive Exam (0)	Open Elective (3)
GenEd Elective (3)								
GenEd Perspective *Artistic* (3)	GenEd Perspective *Social* (3)	EGEN-99 Eng. Co-op Prep (0) (Fall or Spring Semester)	GenEd Perspective *Ethical* (3)	GenEd Perspective *Global* (3)	GenEd Immersion 1 (3)	GenEd Immersion 2 (3)	GenEd Immersion 3 (3)	
YOPS-10 RIT 365 (0)	Wellness Elective (0)	Wellness Elective (0)						
18	**18**	**16**	**16**	**18**	**16**	**18**	**15**	**15**

A grade of C- or better must be earned to complete MATH-181 (181A), MATH-182 (182A), PHYS-211, and CSCI-141.

A grade of C or better must be earned to complete all graduate level courses.

During the third and fourth years of the CmpE BS/MS Degree Program, summers are spent on co-op, as well as one assigned semester in the third year, alternating with coursework.

*At least **three** graduate electives must be CMPE courses.

**Primary Flexible Core options: [CMPE-670 AND CMPE-655 AND CMPE-677] OR [CMPE-630 AND CMPE-660 AND CMPE-755]

🟥 Course is counted toward both BS and MS degrees.

Effective starting 2023–2024 academic year

This flowchart is intended as a general resource in addition to more individual guidance from advisors. Specific course information and prerequisites can be found on SIS using class search.