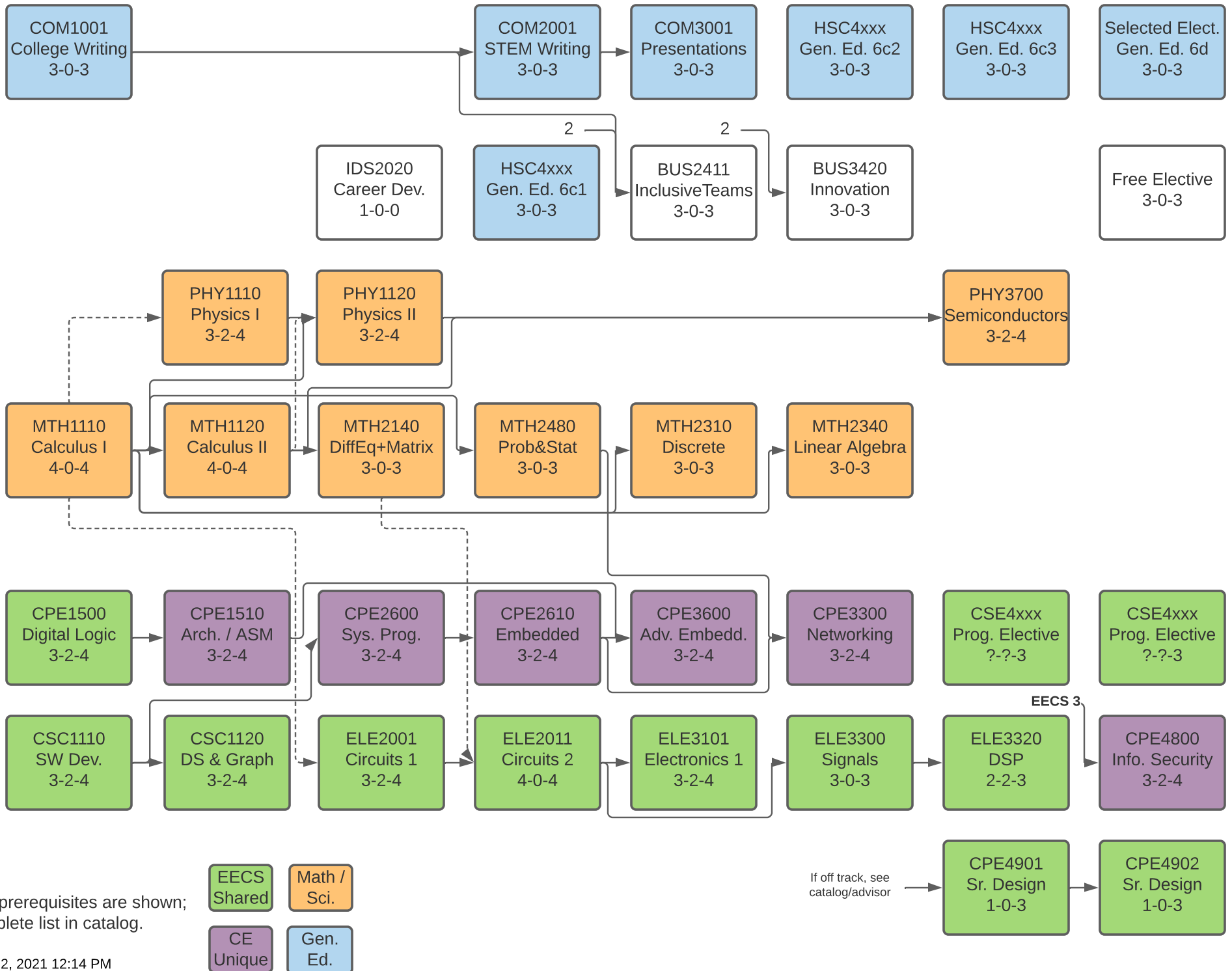


# MSOE CE Curriculum v5.0 for F'23+ Students



[student name]

Student ID

[date]

Last Revision by Dr. Durant

CE 5.0

Curriculum Version

Plan to complete CE degree

### Fall, 2023

		Ho	Lec	Lab	Credits
COM-1001	College Writing	3	3	0	3
CPE-1500	Digital Logic	5	3	2	4
CSC-1110	Software Development	5	3	2	4
MTH-1110	Calculus I	4	4	0	4

**Total** 13 lecture hours – 4 lab hours – 15 credits **17 13 4 15**

### Spring, 2024

CPE-1510	Computer Architecture and Assembl	5	3	2	4
CSC-1120	Data Structures and Graphical Interf	5	3	2	4
MTH-1120	Calculus II	4	4	0	4
PHY-1110	Physics I - Mechanics & Thermodyna	5	3	2	4

**Total** 13 lecture hours – 6 lab hours – 16 credits **19 13 6 16**

**36 26 10 31**

### Fall, 2024

CPE-2600	Systems Programming	5	3	2	4
ELE-2001	Electric Circuits 1: Theory and App	5	3	2	4
IDS-2020	Career Development	1	1	0	0
MTH-2140	Diff Eq + Matrix Algebra	3	3	0	3
PHY-1120	Physics II - Electricity, Magnetism,	5	3	2	4

**Total** 10 lecture hours – 4 lab hours – 15 credits **19 10 4 15**

### Spring, 2025

COM-2001	Writing for the STEM Disciplines	3	3	0	3
CPE-2610	Embedded Systems	5	3	2	4
ELE-2011	Electric Circuits 2: Theory and Applic	4	4	0	4
HSC-4	GenEd SE HSC (6c)	3	3	0	3
MTH-2480	Probability and statistics	3	3	0	3

**Total** 13 lecture hours – 2 lab hours – 17 credits **18 13 2 17**

**37 23 6 32**

### Fall, 2025

BUS-2411	Building Inclusive Teams	3	3	0	3
COM-3001	Professional Presentations	3	3	0	3
CPE-3600	Advanced Embedded Systems	5	3	2	4
ELE-3101	Electronics 1	5	3	2	4
MTH-2310	Discrete Math	3	3	0	3

**Total** 12 lecture hours – 4 lab hours – 17 credits **19 12 4 17**

### Spring, 2026

BUS-3420	Innovation and Entrepreneurship	3	3	0	3
CPE-3300	Networking	5	3	2	4
ELE-3300	Signals and Systems	3	3	0	3
HSC-4	GenEd SE HSC (6c)	3	3	0	3
MTH-2340	Linear algebra with applications	3	3	0	3

**Total** 12 lecture hours – 2 lab hours – 16 credits **17 12 2 16**

**36 24 6 33**

### Fall, 2026

CPE-4901	Senior Design 1	1	1	0	3
CSE-4	Program Elective	3	3	0	3
ELE-3320	Digital Signal Processing	4	2	2	3
HSC-4	GenEd SE HSC (6c)	3	3	0	3
PHY-3700	Physics of Electronic Materials anc	5	3	2	4

**Total** 11 lecture hours – 4 lab hours – 16 credits **16 11 4 16**

### Spring, 2027

CPE-4800	Information Security	5	3	2	4
CPE-4902	Senior Design 2	1	1	0	3
CSE-4	Program Elective	3	3	0	3
EL	Free Elective	3	3	0	3
HSC-4	GenEd SE HSC/MA/PH/CH (6d)	3	3	0	3

**Total** 10 lecture hours – 0 lab hours – 16 credits **15 10 0 16**

**31 21 4 32**

**140 94 26 128**

General Education Core Part 1, 21 credits required	21
ABET Math/Science, 30 required	32
EECS (shared) classes highlighted to help assess balance	
EECS (CE only) classes highlighted to help assess balance	