

Computer Engineering (CMPE)

MINIMUM 40 CU'S TOTAL

Course Planning Guide (Class of 2019 and later)

1. MATHEMATICS AND NATURAL SCIENCE (MINIMUM 10.0 CU'S)

- MATH 104
- MATH 114
- MATH 240
- ESE 301 or CIS261 or STAT 430 or MATH 430 or ENM 321
- CIS 160
- PHYS 140 or PHYS 150 or PHYS 170 or PHYS 93 or MEAM 110
- PHYS 151 or PHYS 171 or (PHYS 94 + PHYS 51)
- CHEM 101 or BIOL 101 or BIOL 121
- 0.5 CU Natural Science Lab (PHYS 150/170, PHYS 50, MEAM 147, BIOL 101/121, or CHEM 53 each count 0.5 CU to this requirement)
- M or NS Elective _____

LEGEND:

- M** Mathematics
 - NS** Natural Science
 - E** Engineering
 - SS** Social Science
 - H** Humanities
 - TBS** Technology in Business & Society
 - F** Free
- See the SEAS [UG Student Handbook](#) for approved courses in these categories.
- Any required course in any category may be replaced by a higher-level version of that course.

2. ENGINEERING (MINIMUM 16 CU'S)

CORE COURSES

- CIS 120
- CIS 121
- ESE 150
- ESE 215
- CIS 240
- ESE 350
- CIS 350
- ESE 370
- CIS 371
- CIS 380
- CIS 441

NETWORKING

Choose from (ESE407, CIS553)

- Networking _____

CONCURRENCY LAB

Choose from (CIS 455, CIS 565)

- Concurrency Lab _____

SENIOR DESIGN

- ESE 450 or CIS 400
- ESE 451 or CIS 401

3. TECHNICAL ELECTIVES¹ (NOMINALLY 4.0 CU'S)

- M, NS, or E _____
- M, NS, or E _____
- M, NS, or E _____
- M, NS, or E, or One of ESE400, EAS545, EAS595, Mgmt 235, Mgmt 237

EXPLANATORY NOTES:

- ¹ At most, two freshman-level E course may be used as a technical elective.
- ² Two of the courses in the SSH column must satisfy the depth and writing requirements. See the [UG Student Handbook](#) for details.
- ³ Can satisfy with EAS203, EAS303 or CIS125.

4. SOCIAL SCIENCE AND HUMANITIES² (MINIMUM 7 CU'S)

- SS Elective _____
- SS Elective _____
- H Elective _____
- H Elective _____
- SS or H _____
- SS, H, or TBS _____
- SS, H, or TBS _____

Depth Requirement

Writing Requirement

Engineering Ethics Requirement³

5. FREE ELECTIVES (3 CU'S)

- F Elective _____
- F Elective _____
- F Elective _____

TERM	MATH & NAT SCI	ENGINEERING	TECHNICAL ELEC'S	SSH & FREE ELEC'S
Fall, Yr _____				
Spr, Yr _____				
Sum, Yr _____				
Fall, Yr _____				
Spr, Yr _____				
Sum, Yr _____				
Fall, Yr _____				
Spr, Yr _____				
Sum, Yr _____				
Fall, Yr _____				
Spr, Yr _____				
Sum, Yr _____				
Fall, Yr _____				
Spr, Yr _____				

STUDENT NAME: _____ SID: _____ EXP GRAD DATE: _____ EMAIL: _____

FACULTY ADVISOR NAME: _____ SIGNATURE: _____ DATE SIGNED: _____

UG CHAIR NAME: _____

SIGNATURE: _____

DATE SIGNED: _____