Computer Engineering B.S. Degree 2017-2018 Curriculum Chart

Math Courses MATH 19A CMPE 16 Calculus I Discrete Math AMS 10* **MATH 19B** Engr. Math Calculus II Methods I **MATH 21** MATH 23A Linear Algebra Multivariable Calculus **AMS 20** Engr. Math EE 103/L Methods II Signals & Systems **CMPE 107**

* Strongly recommended

CMPE 123A, 123B

Capstone Project

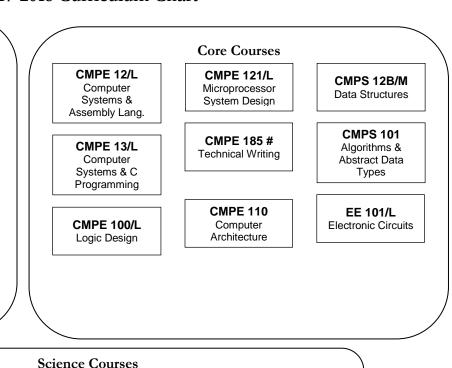
1 & II

Probability &

Statistics

PHYS 5A/L

Mechanics



PHYS 5C/N

Electricity & Magnetism

Exit Requirements

1. Portfolio

Exit Survey

See back for more info

Exit Interview

* CMPE 9 is recommended for the

Biomechanics Robotics & Control concentration Concentrations (choose one) Systems Programming Networks Digital Hardware Robotics & Control Computer Systems **CMPS 111 CMPS 111** Two of the following: **CMPE 150/L CMPE 125/L** Operating Systems Operating Systems CMPE 118/L Intro to Comp. Networks Logic Design w/ Verilog **CMPE 141 CMPS 109 CMPE 125/L CMPE 167/L** Advanced Programming Logic Design w/ Verilog **CMPE 156/L** EE 171/L or or **Network Programming** Analog Electronics **CMPS 115 CMPE 122** Third course from above Software Engineering Intro to VLSI Digital or any course from System Design One of the following: **CMPS 111** Approved List **CMPE 150/L** Operating Systems **CMPE 122** on the UA website **CMPS 109** Intro to Comp. Networks **CMPE 202** Advanced Programming **CMPE 222** or **CMPE 151/L** EE 173/L** One of the following: **CMPS 115** Advanced Networks CMPS 104A Software Engineering Elective* **CMPE 113** Elective* Elective* CMPE 156/L Elective* Elective* *Electives can be an upper division or graduate course from Approved List on the UA website **EE 173 requires the prerequisite EE 174

PHYS 5B/M

Waves & Optics

CMPE 9*
Statics, Dynamics, &

CMPS 115, 116, &

117

Software Capstone

Project I, II, & III

CMPE 129A or

CMPE 123A

CMPE 195: Senior

Thesis

Capstone (choose one option)

CMPE 129A, 129B,

& 129C

Capstone Project

I, II, & III

Computer Engineering B.S. Degree 2017-2018 Curriculum Chart

Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer
Fall	Winter	C i	C
Fall	Winter	Spring	Summer
A 11' CII D			
Approved List of Upper D	ivision Electives ate Advising website for the list of	f approved electives	
Trease refer to the ordergradu	the reasons we borter for the not of	approved electives	
Exit Requirements			
1. Portfolio	epartments/computer-engineering/u	ndergraduate/undergraduate-portfolio	
2. Exit Survey		ideigraduate/ undergraduate portiono	
https://ua.soe.ucsc.edu/exit-sa. Exit Interview	<u>survey</u>		
J. DAIL HILCIVICW			
Notes:			
		ion deadlines than the UCSC Acade	emic/Administrative calendar. Our
deadlines and process	can be found on: https://ua.soe.u	ucsc.edu/declare-your-major	

- All students admitted to a School of Engineering major, or seeking admission to a major, must take all courses required for that
 major for a letter grade.
- Courses in which you receive a grade of C-, D+, D, or D- earn credit toward graduation, but cannot be used to satisfy a major requirement or a general education requirement, and cannot satisfy a prerequisite for another course.
- In addition to this list, any 5-unit CE, CS, or EE graduate course (200+) may also be used as an elective.
- At most, only one elective may be substituted by an upper-division individual or field study (CMPE, CMPS, EE 193 or 198) with approval.

tudent Name:	
taff Advisor:	
Faculty Advisor:	
I have discussed the BS/MS program with my advisor.	