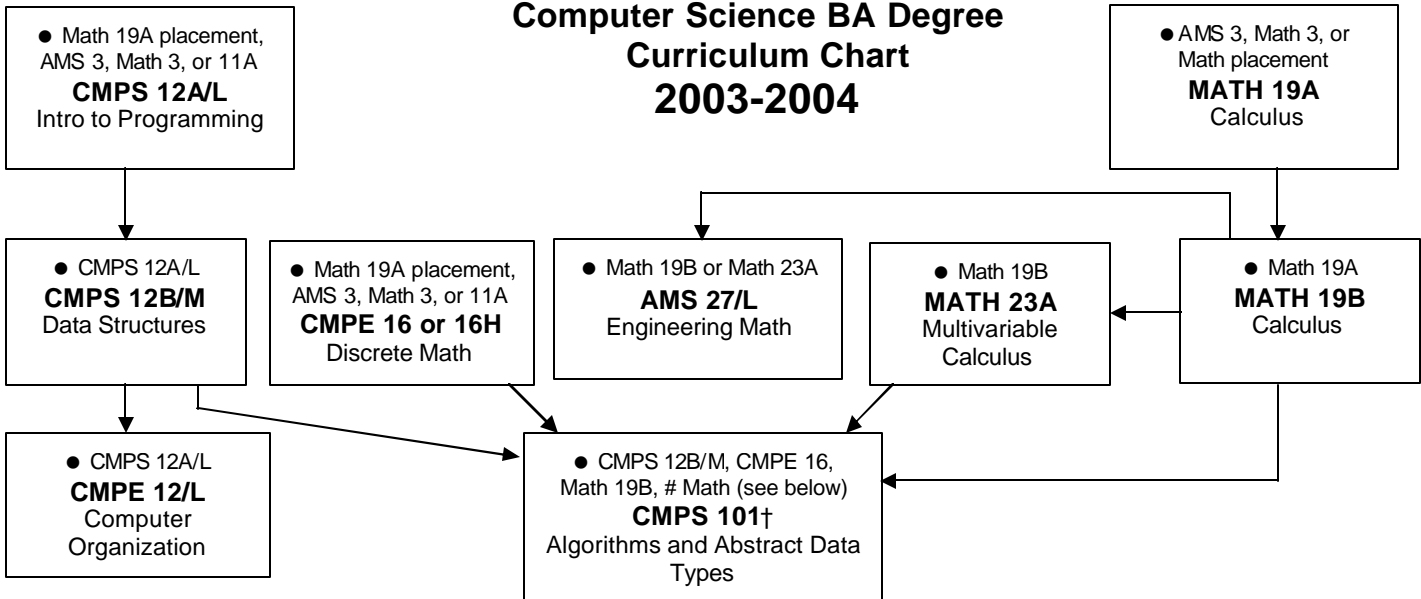


Baskin School of Engineering Computer Science BA Degree Curriculum Chart 2003-2004



In addition, eight upper division electives are required:

- A) One upper division School of Engineering elective of your choice.
- B) Select seven upper division courses from the Theory and Practice list as follows:
 - a) A minimum of 3 courses must be from the Theory List,
 - b) A minimum of 3 courses must be from the Practice List, and
 - c) They must include all 3 courses from one of the Depth Sequences listed below

Compilers & Language Theory	Operating System & Hardware	Theory	Graphics	Software Methodology
<ul style="list-style-type: none"> ● CMPE 12/L, CMPS 101 CMPS 104A† [P] Compiler Design I 	<ul style="list-style-type: none"> ● CMPE 16 CMPE 100/L [P] Logic Design 	<ul style="list-style-type: none"> ● CMPS 101 CMPS 102† [T] Intro Analysis of Algorithms 	<ul style="list-style-type: none"> ● CMPS 101, Math 21 or AMS 27/L CMPS 160 † [P] Intro to Computer Graphics 	<ul style="list-style-type: none"> ● CMPS 104A or 111 or 180 CMPS 115† [P] Software Methodology
<ul style="list-style-type: none"> ● CMPS 104A CMPS 112† [P] Comparative Programming Languages 	<ul style="list-style-type: none"> ● CMPE 12/L, CMPS 101, CE 110 CMPS 111† [P] Intro to Operating Systems 	<ul style="list-style-type: none"> ● CMPS 101 CMPS 130† [T] Computational Models 	<ul style="list-style-type: none"> ● CMPS 160 CMPS 161 [P] Visualization & Computer Animation 	<p style="text-align: center;">Choose two of the following:</p> <ul style="list-style-type: none"> ● CMPE 12/L, CMPS 101 CMPS 104A† [P] Compiler Design I ● CMPS 104A CMPS 112† [P] Comp. Programming Languages ● CMPS 115, CMPE 185 & CMPS 104A or 111 CMPS 116 [P] Software Design Project
<ul style="list-style-type: none"> ● CMPS 104A CMPS 104B† [P] Computer Design II OR ● CMPS 101 CMPS 130† [T] Computational Models 	<ul style="list-style-type: none"> ● CMPE 12/L, 16 CMPE 110† [P] Computer Architecture OR ● CMPE 12/L, 100/L, & EE 70/L CMPE 121/L [P] Micro processing Systems Design 	<ul style="list-style-type: none"> ● CMPS 130 CMPS 132† [T] Computability 	<ul style="list-style-type: none"> ● AMS 27/L AMS 147[T] Computational Methods & Applications 	
4. _____ [T]	4. _____ [T]	4. _____ [P]	4. _____ [T]	4. _____ [T]
5. _____ [T]	5. _____ [T]	5. _____ [P]	5. _____ [T]	5. _____ [T]
6. _____ *[T/P]	6. _____ [T]	6. _____ [P]	6. _____ [P]	6. _____ [T]
7. _____ [T/P]	7. _____ [T/P]	7. _____ [T/P]	7. _____ [T/P]	7. _____ [T/P]
8. _____	8. _____	8. _____	8. _____	8. _____

● = Course Prerequisite † = Comprehensive Exam Course # = and any 5-unit math course numbering in the 20s

See reverse side for theory and practice lists. Use the reverse side of this page to draft a sample proposed study plan for Department and CS faculty advisor's approval.

CMPS 13H is an honors course to satisfy the requirements for both CMPS 12A and CMPS 12B; enrollment by permission.

UCSC BASKIN SCHOOL OF ENGINEERING
COMPUTER SCIENCE BA
DEGREE CURRICULUM
2003-2004

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Theory List

CMPS 102
CMPS 130
CMPS 132
CMPE 107
CMPE 108
*CMPE 154
CMPE 177
*EE 103
*EE 153
AMS 131
AMS 146
AMS 147
AMS 162
MATH 115
MATH 117
MATH 126
MATH 148

Practice List

CMPS 104A
CMPS 104B
CMPS 105
CMPS 109 (as of '00-'01)
CMPS 111
CMPS 112
CMPS 115
CMPS 116♣
CMPS 122
CMPS 129
CMPS 140♣
CMPS 160/L
CMPS 161/L♣
CMPS 180
CMPS 181♣
CMPS 183♣
CMPS 190X
CMPS 204
CMPE 100/L
CMPE 110
CMPE 113
CMPE 117/L
CMPE 118
*CMPE 121/L
*CMPE 123A & 123B
*CMPE 125/L
*CMPE 126/L
CMPE 150
*CMPE 152
*CMPE 155/L
*CMPE 163/L
*EE 130/L

NOTE: Students may not receive credit for both AMS 131 and CMPE 107. Many graduate courses can also be used to satisfy electives. However students will need instructor and department approval.

*Please note that this course has pre-requisites that CS majors are not required to take in their regular course of study.

♣=Course Satisfies the CS Exit Requirement and an elective requirement

STUDENT'S NAME:
STAFF ADVISOR: