Computer Game Design B.S. Degree
2017-18 Curriculum Chart

- Completion of Game Design Studio courses satisfies the exit requirement.
- Completion of CMPM 170 satisfies disciplinary communication requirement.

* Students may take CMPS 13/L in lieu of another introductory programming class + data structures.

**OR**

*CMPS 12A/L
Intro to Prog. (Accelerated)

CMPS 11
Intermediate Programming

*CMPS 12B/M
Data Structures

**CMPS 13H/L
Intro to Prog. & Data Structures (Honors)

*CMPS 13/L
Computer Systems and C Programming

MATH 19A or 20A
Calculus I

MATH 19B or 20B
Calculus II

*CMPE 16
Discrete Math

*AMS 10
Engr Math Methods I
or
*MATH 21
Linear Algebra

CMPS 5J
Intro to Prog: Java

CMPE 12/L
Computer Systems & Assembly Language

ARTG 120
Game Design Experience

AND

CMPP 80K
Foundations of Video Game Design

CMPP 120
Game Development Experience

CMPP 109
Advanced Programming

CMPP 170
Game Design Studio I

CMPP 177
Game Design Studio III

CMPP 171
Game Design Studio II

CMPP 176
Systems Design

* AMPS 10 or ARTG 80H, ARTG 80G, CMPP 80K, CMPP 12B/M, FILM 80V and students must be concurrently enrolled in both courses below.

Students must complete ARTG 80I or ARTG 80H, ARTG 80G, CMPM 80K, CMPS 12B/M, FILM 80V and students must be concurrently enrolled in both courses below.

*ARTG 120
Game Design Experience

*CGE ELECTIVE

*CGE ELECTIVE

*CGE ELECTIVE

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- Computer Game Engineering list of courses are on the back of this chart

- HAVC elective list of courses are on the back of this chart

Notes:
* Check catalog/SOE course descriptions for additional prerequisites.

http://ua.soe.ucsc.edu • advising@soe.ucsc.edu • (831) 459-5840 • 7/21/2017
Computer Game Design B.S. Degree
2017-18 Curriculum Chart

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Computer Game Engineering Electives

AMS:
- AMS 131  CMPM 164/L
- AMS 147  CCM 177
- AMS 147  CCM 178

CMPE:
- CMPE 110  CCM 179 J
- CMPE 112  CMPS 102
- CMPE 113  CMPS 104A
- CMPE 131  CMPS 104B
- CMPE 150/L CMPS 105
- CMPM 122  CMPS 111

CMPM:
- CMPM 131 CMPS 115
- CMPM 146 CMPS 116
- CMPM 147 CMPS 117
- CMPM 148 CMPS 119
- CMPM 121 CMPS 121

J Can be repeated, but may only satisfy an elective once.

HAVC Electives
- HAVC 30  HAVC 141C
- HAVC 41  HAVC 141E
- HAVC 43  HAVC 141F
- HAVC 44  HAVC 141H
- HAVC 45  HAVC 141I
- HAVC 46  HAVC 141J
- HAVC 49  HAVC 141K
- HAVC 118  HAVC 141N
- HAVC 124E  HAVC 141O
- HAVC 135B  HAVC 142
- HAVC 135H  HAVC 143B
- HAVC 140A  HAVC 143C
- HAVC 140C  HAVC 143E
- HAVC 140D  HAVC 143G
- HAVC 140P  HAVC 143H
- HAVC 141A  HAVC 143I
- HAVC 141B  HAVC 143J

Notes:
- 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.
- The School of Engineering has different major declaration deadlines than the UCSC Academic/Administrative calendar. Our deadlines and process can be found on: [http://ua.soe.ucsc.edu/declare](http://ua.soe.ucsc.edu/declare)
- Shaded boxes represent foundation courses. Major qualification requirements for this major can be found at: [https://ua.soe.ucsc.edu/major-qualification](https://ua.soe.ucsc.edu/major-qualification)

Student Name:

Staff Advisor:

Faculty Advisor: