

# CCS Mathematics Degree Checklist

*Note: There is flexibility on some of the points below so this should be completed in consultation with your advisor.*

- 180 units of classes, an overall GPA of at least 2.0, and six quarters within CCS.
- UC Writing requirement (see <http://www.ucop.edu/elwr> for details).
- UCSB American History and Institutions.<sup>1</sup>

- Completion of CCS breadth requirements:

Two courses outside of math, but related to math.<sup>2</sup>

|  |  |
|--|--|
|  |  |
|--|--|

Eight courses not related to mathematics.<sup>3</sup>

|   |                                     |
|---|-------------------------------------|
| <input type="checkbox"/> UCSB Ethnic Studies. | <input type="checkbox"/> Writing 2. |
|   |                                     |
|   |                                     |
|   |                                     |

- Completion of CCS Mathematics Requirements<sup>4</sup>:

- |   |   |                                    |
|---|---|------------------------------------|
| <input type="checkbox"/> Intro to Higher Math | <input type="checkbox"/> Intro to Real Analysis | <input type="checkbox"/> Math 111B |
| <input type="checkbox"/> Problem Solving I    | <input type="checkbox"/> Probability            | <input type="checkbox"/> Math 111C |
| <input type="checkbox"/> Problem Solving II   | <input type="checkbox"/> Complex I              | <input type="checkbox"/> Math 118A |
| <input type="checkbox"/> Linear Algebra I     | <input type="checkbox"/> Complex II             | <input type="checkbox"/> Math 118B |
| <input type="checkbox"/> Linear Algebra II    | <input type="checkbox"/> Math 111A              | <input type="checkbox"/> Math 118C |

Twelve additional courses in Mathematics.<sup>5</sup>

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

- Senior Thesis (Math 197AB).

<sup>1</sup>This can be included as one of your CCS breadth requirements if it is completed at UCSB as a 4 unit letter-graded class.

<sup>2</sup>This means any 4 unit letter-graded class offered by a department in the College of Engineering or the Division of Mathematical, Life & Physical Sciences, except the Departments of Mathematics, Psychology & Brain Sciences, and Statistics & Applied Probability. It is recommended that one of these be a computer science class.

<sup>3</sup>This means any 3 or 4 unit letter-graded class offered by the departments in the Division of Humanities & Fine Arts, the Division of Social Sciences, or the Department of Psychology & Brain Sciences. At most two classes from the same department can be counted here. Two foreign language classes in the same language count as one GE. In the Department of Linguistics only LING  $N$  with  $N \geq 15$  can count. If you have credit for Writing 2 through AP, then replace this by another upper division writing class

<sup>4</sup>CCS classes only count if you receive at least  $n - 1$  units in an  $n$  unit class. All letter-graded classes must be passed with a C or better.

<sup>5</sup>Math classes that can be included here are 104ABC, 109A, 113, 114, 115ABC, 116, 119AB, 124AB, 132AB, 137AB, 145, 147AB, 190 (with approval of your advisor), 199 (up to twice), any graduate level class, PSTAT 120BC, 207ABC, 210, 160AB, 213ABC, and any CCS math class besides those that are CCS math requirements.