MATHEMATICS 4+1 BA/MA PROGRAM
• Students finish at UCSC with a Bachelor’s of Arts in Mathematics and a Master’s of Arts in Mathematics with 5 total years of coursework (3 for transfer students).

• Students take at least 2 Graduate Level courses during their 4th year as an undergraduate.

• Remaining Graduate coursework is completed in the 5th year.
THE REQUIREMENTS TO APPLY

• Major GPA of 3.5
• Have taken Math 105B or Math 111B
• Have already taken or are currently enrolled in one of the required Graduate courses (e.g. Math 200, 204 or 210)
  • Students must complete 2 graduate level courses by the point they finish their Bachelor’s degree to stay on pace.
APPLYING TO THE PROGRAM

• Applications are due by December 1\textsuperscript{st} of your 4\textsuperscript{th} year (you may apply sooner).
• Application is found on Math Department Website.
• When you ready to apply, make an appointment with the Math Undergrad Advisor.
• The Graduate Advisor and Program Coordinator will contact you via email with your 4+1 admission status.
  • If accepted you will receive detailed instructions for applying as a Master’s student to UCSC.
• Streamlined Master’s Application process.
  • You still have to apply to UCSC for admission as a Master’s student after acceptance into the 4+1 program.
  • Personal History, GRE scores, Statement of Purpose and Letter’s of Recommendation requirements are all waived (Letters of Rec are preferred but not required).
• You need to take at least Math 105B or Math 111B by Spring of your 3rd year.
  • You will need to take Math 105A or Math 111A by Winter of your 3rd year.
  • If you only take one by Spring of your 3rd year, the other course (Math 105B or 111B) will need to be taken by Spring of your 4th year.

• This prepares you to start a graduate level sequence (e.g. Math 200, Math 204 or Math 210) in the Fall of your 4th year.

• The remaining 7 Graduate level courses will be taken in the 5th year.
PROGRAM COMPLETION REQUIREMENTS

• All coursework required for your Bachelor’s of Arts in Mathematics.
• Completion of 4 courses from the Graduate Level core sequences:
  • Algebra Sequence- Math 200, 201 and 202
  • Analysis Sequence- Math 204, 205 and 206
  • Manifolds Sequence- Math 210, 211 and 212
• Five additional Graduate Level courses
• One of the following:
  • Master’s Thesis
  • Second Level Pass on one of the preliminary examinations in Algebra, Analysis or Geometry.
Year 3:
• Fall: Math 23B, Math 100
• Winter: Math 103A, Math 105A
• Spring: Math 105B (Undergrad Elective 1), Math 117
Year 4:
• Fall: Math 24, Math 128A, Math 204 (Undergrad Elective 2)
• Winter: Math 111A, Math 205
• Spring: Math 111B (Undergrad Elective 3), Math 194 or 195
Year 5 (MA year):
• Fall: Math 200, Grad Elective 1
• Winter: Math 201, Grad Elective 2
• Spring: Grad Elective 3, Grad Elective 4, Grad Elective 5
SAMPLE PLANNER FOR FRESHMEN
YEARS 1-3

Year 1:
• Fall: Math 19A
• Winter: Math 19B
• Spring: Math 21

Year 2:
• Fall: Math 23A
• Winter: Math 23B, Math 100
• Spring: Math 103A

Year 3:
• Fall: Math 24, Math 128A
• Winter: Math 111A
• Spring: Math 111B (Undergrad Elective 1), Math 117
SAMPLE PLANNER FOR FRESHMEN
YEARS 4-5

Year 4:
• Fall: Math 200 (Undergrad Elective 2)
• Winter: Math 105A Math 201
• Spring: Math 105B (Undergrad Elective 3), Math 194 or 195

Year 5 (MA year):
• Fall: Math 208, Grad Elective 1
• Winter: Math 209, Grad Elective 2
• Spring: Grad Elective 3, Grad Elective 4, Grad Elective 5