

## SciCAM 4+1 BS/MS Contiguous Pathway Application

This form is to be completed by the student and the SciCAM 4+1 Coordinator during a 30 min meeting specially organized for this purpose, and must be submitted no later than December 1<sup>st</sup> of the Fall quarter of the applicant's senior year. Once this form has been completed and signed by both the student and the SciCAM 4+1 Coordinator, it should be submitted to the BE Graduate Advising Office (Engineering 2, Suite 595 or sent to am-gradadvising@ucsc.edu).

Last Name		First Name	MI	Student ID
Email		Academic Year		
Declared Undergraduate Major(s)		Minor(s)		

I certify that I am interested in pursuing the Scientific Computing and Applied Mathematics (SciCAM) Master of Science Program, and that I meet the requirements below for the 4+1 BS/MS Contiguous Pathway:

- ☐ I have completed the following lower division courses:
  - ☐ 1 quarter of linear algebra (AM10, or MATH 21): \_\_\_\_\_
  - ☐ 1 quarter of ODE (AM20, or MATH 24): \_\_\_\_\_
  - ☐ 3 quarters of Calculus (up to multivariate calculus, AM 30, or MATH 23B): \_\_\_\_\_
  - ☐ 1 programming course in a formal language (Python, C/C++, Fortran, Matlab): \_\_\_\_\_
- ☐ I have a GPA of at least 3.3, and have been a student at UCSC for at least 2 full quarters:
  - Current GPA: \_\_\_\_\_ Date: \_\_\_\_\_

A GPA of 3.3 or higher must be maintained through completion of the undergraduate degree.

- ☐ I have taken or will have taken at least two of the following courses (or an equivalent course) by the time I complete my undergraduate degree. Please indicate when you plan to complete (or have completed) each course. If you have taken an equivalent course and are requesting a waiver, please write "Waiver" and explain your request based on the terms described below.\*
  - AM 147 \_\_\_\_\_ (taught once per year, in Winter quarter)
  - AM 129 \_\_\_\_\_ (taught once per year, in Fall quarter)
  - AM 100 \_\_\_\_\_ (taught once per year, in Fall quarter)

\* Students from Mathematics can request waivers for AM 147 if they have taken MATH 148, and for AM 100 if they have taken MATH 107. Students from any BE major can request waivers for AM 129. Students from Physics or Astrophysics can request waivers for AM 100 if they have taken PHYS 116A/B/C, and for AM 147 if they have taken PHYS 115 or ASTR 119.

- ☐ As of now, I am interested in (circle the relevant one if known): coursework track / thesis track
- ☐ As of now, I am planning to start the MS in: \_\_\_\_\_

## Coursework Planner(s)

OPTION 1	Fall Quarter	Winter Quarter	Spring Quarter
Junior Year			
Senior Year			
M.S. Year			

OPTION 2	Fall Quarter	Winter Quarter	Spring Quarter
Junior Year			
Senior Year			
M.S. Year			

Students who are accepted into the SciCAM 4+1 BS/MS Contiguous Pathway must still apply to the SciCAM M.S. Program through the standard graduate application, however they will enjoy a streamlined process, in which they will only be required to provide unofficial UCSC transcripts with their graduate applications. The GRE, statement of purpose, and personal history statement requirements will be waived. Letters of recommendation are preferred, but not required.

### SIGNATURES

By signing below, I certify that I have completed this form in consultation with the SciCAM 4+1 Coordinator, and that we have discussed the topics included in this form. I understand that completing this application does not guarantee my admission to the SciCAM Master's Program.

Student:

Date:

SciCAM 4+1 Coordinator:

Date:

