

## BA Mathematics: 41 credits in Major

Department of Mathematics: Phone 320-308-3001 or [mathdept@stcloudstate.edu](mailto:mathdept@stcloudstate.edu)

### BA Mathematics Major Advisors

Students wanting to declare a math major can choose their own advisor from the Math Department. Students needing help with choosing an advisor should consult with one of their professors or with the chair of the mathematics department.

First Semester	Second Semester
<sup>1</sup> MATH 221(5cr) Core General Ed (3 or 4cr) General Ed from Distribution area A, B, or C (3cr) Core General Ed (3cr) or General Ed from Distribution area A, B, or C (3cr) <b>Total semester credits=14 to 15</b>	MATH 222 (4cr) <sup>2</sup> MATH 252 (3cr) PESS 122 (1cr) Core General Ed (3 or 4cr) Core General Ed (3cr) or General Ed from Distribution area A, B, or C (3cr) <b>Total semester credits=14 to 15</b>
Third Semester	Fourth Semester
MATH 273 (3cr) MATH 312 (3cr) or 321 (4cr) Minor Course (3cr) General Ed from Distribution area A, B, or C (3cr) Core General Ed (3 or 4cr) or General Ed from Distribution area A, B, or C (3cr) <b>Total semester credits=15 to 17</b>	MATH 373 (3cr) MATH 312 (3cr) or 321 (4cr) Core General Ed (3 or 4cr) or General Ed from Distribution area A, B, or C (3cr) Minor Course (3cr) Minor Course (3cr) <b>Total semester credits=15 to 17</b>
Fifth Semester	Sixth Semester
MATH 325 (3cr) <sup>3</sup> MATH Elective (3cr) Minor Course (3cr) General Ed from Distribution area A, B, or C (3cr) Elective (3cr) <b>Total Semester Credits=15</b>	MATH 461(4cr) Minor Course (3cr) Minor Course (3cr) General Ed from Distribution area A, B, or C (3cr) General Ed from Distribution area A, B, or C (3cr) <b>Total Semester Credits=16</b>
Seventh Semester	Eighth Semester
<sup>3</sup> MATH Elective (3cr) Minor Course (3cr) Minor Course (3cr) Elective (3cr) Elective (3cr) <b>Total Semester Credits= 15</b>	<sup>3</sup> MATH Elective (3cr) Minor Course (3cr) Minor Course (3cr) Elective (3cr) Elective (3cr) <b>Total Semester Credits= 15</b>

### Notes:

<sup>1</sup>An appropriate score on the Math placement exam is required before enrolling in MATH 221.

<sup>2</sup>Computer Science 201 may be substituted for MATH 252.

<sup>3</sup>Math electives should be chosen from MATH 353, 421, 422, 423, 427, 452, 453, 462, 465, 480, and STAT 447. The BA Mathematics Major cannot choose both MATH 465 and STAT 447.

The BA Mathematics Major is required to complete one of the following options:

- a minor from the College of Science and Engineering or a minor from Economics or Business Computer Information Systems
- A second major
- 12 additional credits in mathematics or science that are approved by the Mathematics Department.

To show one possible example, a 30 credit minor is shown above. SCSU requires a minimum of 120 semester credits to earn a Bachelors degree, 45 of these credits must be at the 300 or 400-level. Electives, if necessary, should be chosen to fulfill these requirements.

Generally the following courses are offered during Summer Sessions: MATH 221, 273, 325. Contact the Math Department to determine expected Summer course offerings.

Not all Math electives are offered both Fall and Spring Semesters. Contact the Math Department for specific course offerings.

MATH 221 and MATH 22 satisfy the Core Math requirement and count as three credits towards Distribution area B. A total of eleven additional general education courses are required of students in this major: four core courses; ENGL 191, CMST 192, PHIL 194, Democratic Citizenship 195, two courses each in Distribution areas A, B, and C, and one additional course in Distribution area A or C. However, students may be able to use courses from their other major or minor towards the General Education requirements. All SCSU students are required to complete a Racial Issues course during their first year; all of these courses are included in Area C and fulfill one course in Area C.