

| BA Mathematics: 41-49 credits in Major  |  |
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| Department of Mathematics and Statistics: Phone 320-308-3001 or <a href="mailto:mathstat@stcloudstate.edu">mathstat@stcloudstate.edu</a>  |  |
| BA Mathematics Major Advisors   |  |
| Students wanting to declare a math major may choose their own advisor from the Mathematics faculty. Students needing help with choosing an advisor should consult with one of their professors or with the chair of the Department. |  |
| First Semester  | Second Semester  |
| <sup>1</sup> MATH 221(4cr)<br><sup>2</sup> SCSU Liberal Education (12cr)<br>Total semester credits=16   | MATH 222 (4cr)<br><sup>1</sup> MATH 271 (3cr)<br>Minor Course (3cr)<br>SCSU Liberal Education (3cr)<br>Total semester credits=13   |
| Third Semester  | Fourth Semester  |
| MATH 312 (4cr) or MATH 321 (4cr)<br><sup>3</sup> MATH 325 (3cr)<br>Minor Course (3cr)<br>SCSU Liberal Education (6cr)<br>Total semester credits=16  | MATH 304 (3cr)<br>MATH 312 (4cr) or MATH 321 (4cr)<br>Minor Course (3cr)<br>SCSU Liberal Education (6cr)<br>Total semester credits=16  |
| Fifth Semester  | Sixth Semester   |
| <sup>3</sup> MATH 252 (3cr)<br><sup>5</sup> MATH Elective (3cr) or <sup>4</sup> MATH 411 (4cr)<br>Minor Course (3cr)<br>SCSU Liberal Education (6cr)<br>Total Semester Credits=15 or 16   | <sup>5</sup> MATH Elective (3cr) or <sup>4</sup> MATH 421 (4cr)<br>Minor Course (3cr)<br>Minor Course (3cr)<br>SCSU Liberal Education (6cr)<br>Total Semester Credits=15 or 16 |
| Seventh Semester  | Eighth Semester  |
| <sup>4</sup> MATH 411 (4cr) or <sup>5</sup> MATH Elective (3cr)<br>MATH 485 (2cr)<br>Minor Course (3cr)<br>Minor Course (3cr)<br>University Elective (3cr)<br>Total Semester Credits=14 or 15                                       | <sup>4</sup> MATH 421 (4cr) or <sup>5</sup> MATH Elective (3cr)<br>Minor Course (3cr)<br>Minor Course (3cr)<br>University Elective (6cr)<br>Total Semester Credits= 15 or 16   |

### Notes:

<sup>1</sup>An appropriate score on the Calculus Readiness placement exam or successful completion of MATH 115 is required before enrolling in MATH 221 or MATH 271.

<sup>2</sup>MATH 221 and MATH 222 will serve as 8 credits in Goal Area 4 of the SCSU Liberal Education Program.

<sup>3</sup>MATH 327 may be substituted for MATH 325. MATH 325 is only offered as demand allows. MATH 327 is offered each term. CNA 267 or CSCI 201 may be substituted for MATH 252. CSCI 201 requires a prerequisite of CSCI 200 or the equivalent. MATH 252 is offered each fall.

<sup>4</sup>Students must complete either MATH 411 or MATH 421 as a Core Elective. Taking both of these is encouraged. The second Core Elective will count as 4 credits of Supporting Elective. MATH 411 is offered each fall. MATH 421 is offered each spring.

<sup>5</sup>Supporting MATH electives include MATH 252, 353, 423, 427, 452, 455, 465, 480, STAT 447, and STAT 448. MATH 252 and STAT 447 are offered each fall. MATH 465 and STAT 448 are offered each spring. Other supporting MATH electives are offered at most once every other year. Very few program courses are offered during the summer. Contact your advisor or the Department of Mathematics and Statistics for course offerings when constructing a specific plan.

The BA Mathematics Major is required to complete either

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

Shown in the table above is an example of a 30 credit minor.

A GPA of 2.40 in all program courses, completion of MATH 221 and 222, and at least three program credits completed at SCSU are all required to be admitted into the program.

SCSU requires a minimum of 120 semester credits to earn a Bachelors degree, 40 of these credits must be at the 300 or 400-level. Electives, if necessary, should be chosen to fulfill these requirements.

Revised: November 11, 2015