

**BS Statistics – Mathematical Statistics Concentration: 57–59 credits in Major**Department of Mathematics and Statistics: Phone 320-308-3001 or [mathstat@stcloudstate.edu](mailto:mathstat@stcloudstate.edu)**Major Advisors:**Dr. Michael Ernst, 320-308-2175, [mdernst@stcloudstate.edu](mailto:mdernst@stcloudstate.edu)Dr. Leonard Onyiah, 320-308-2278, [lonyiah@stcloudstate.edu](mailto:lonyiah@stcloudstate.edu)Dr. David Robinson, 320-308-2149, [dhrobinson@stcloudstate.edu](mailto:dhrobinson@stcloudstate.edu)Dr. Richard Sundheim, 320-308-2239, [rasundheim@stcloudstate.edu](mailto:rasundheim@stcloudstate.edu)Dr. Shiju Zhang, 320-308-1744, [szhang@stcloudstate.edu](mailto:szhang@stcloudstate.edu)

First Semester	Second Semester
<sup>1</sup> MATH 221 (4cr) <sup>1</sup> STAT 239 (3cr) or <sup>1</sup> MATH 271 (3cr) <sup>2</sup> SCSU Liberal Education (7cr) <b>Total semester credits=14</b>	MATH 222 (4cr) <sup>1</sup> STAT 239 (3cr) or <sup>1</sup> MATH 271 (3cr) SCSU Liberal Education (9cr) <b>Total semester credits=16</b>
Third Semester	Fourth Semester
MATH 320 (3cr) or MATH 321 (4cr) STAT 321 (3cr) <sup>3</sup> Programming Course (3-4cr) SCSU Liberal Education (6cr) <b>Total semester credits=15-17</b>	STAT 325 (3cr) <sup>4</sup> STAT 421 (3cr) SCSU Liberal Education (9cr) <b>Total semester credits=15</b>
Fifth Semester	Sixth Semester
<sup>4</sup> STAT 304 (3cr) <sup>4</sup> STAT 380 (3cr) MATH 312 (4cr) University Elective (6cr) <b>Total Semester Credits=16</b>	<sup>4</sup> STAT 381 (3cr) <sup>5</sup> STAT Elective (3cr) University Elective (9cr) <b>Total Semester Credits=15</b>
Seventh Semester	Eighth Semester
<sup>4</sup> STAT 447 (3cr) <sup>5</sup> STAT Elective (3cr) University Elective (9cr) <b>Total Semester Credits=15</b>	<sup>4</sup> STAT 448 (3cr) <sup>5</sup> STAT Elective (3cr) University Elective (9cr) <b>Total Semester Credits=15</b>

**Notes:**

<sup>1</sup>An appropriate score on the Calculus Readiness placement exam or successful completion of either MATH 115 or both MATH 112 and MATH 113 is required before enrolling in MATH 221 or MATH 271. An appropriate placement exam score or successful completion of either STAT 193 or MATH 112 is required before enrolling in STAT 239.

<sup>2</sup>MATH 221, MATH 222, and STAT 239 all satisfy Goal Area 4 of the SCSU Liberal Education program.

<sup>3</sup>Programming courses are chosen from this list: CNA 267, CSCI 201, MATH 252. MATH 252 is only offered in fall terms.

<sup>4</sup>STAT 304, 360, 380, and 447 are only offered in fall terms. STAT 325, 381, 415, 421, and 448 are only offered in spring terms.

<sup>5</sup>The STAT Electives are chosen from this list: STAT 424, 427, 430, 433, 436, 440. Offering patterns can be found in the table below.

Fall (odd years): STAT 427	Spring (even years): STAT 424 or 436
Fall (even years): STAT 433	Spring (odd years): STAT 430 or 440

Generally the following program courses are offered during Summer Sessions: STAT 219, 239, 242; MATH 112, 113, 221, 222. Contact the department to determine expected Summer Session course offerings.

Admission to this program requires a GPA of 2.40 overall and in all program courses, as well as completion of 9 program credits, including STAT 239 and STAT 321 (with at least 3 completed at SCSU). A grade of C– or better in each program course is required for graduation. SCSU requires a minimum of 120 semester credits to earn a Bachelors degree and 40 of these credits must be at the 300 or 400-level. Electives should be chosen to fulfill these requirements.