

BS Statistics – Mathematical Statistics Emphasis: 58 credits in Major

Department of Mathematics and Statistics: Phone 320-308-3001 or mathstat@stcloudstate.edu

BS Statistics – Mathematical Statistics Emphasis Major Advisors

Dr. Hui Xu 320-308-4259 hxu@stcloudstate.edu ECC 250

Dr. Shiju Zhang 320-308-1744 szhang@stcloudstate.edu ECC 142

Dr. David Robinson and Dr. Leonard Onyiah are also suitable advisors for this program.

First Semester	Second Semester
¹ MATH 221 (5cr) STAT 229 (3cr) PESS 122 (1cr) ² SCSU Liberal Education (6cr) Total semester credits=15	MATH 222 (4cr) ³ Programming Elective (3cr) SCSU Liberal Education (9cr) Total semester credits=16
Third Semester	Fourth Semester
⁴ STAT 304 (3cr) ⁴ STAT 321 (3cr) MATH 312 (3cr) or MATH 321 (4cr) SCSU Liberal Education (6cr) Total semester credits=15 to 16	⁴ STAT 421 (3cr) MATH 312 (3cr) or MATH 321 (4cr) MATH 273 (3cr) SCSU Liberal Education (6cr) Total semester credits=15 to 16
Fifth Semester	Sixth Semester
⁴ STAT 447 (3cr) or MATH 421 (3cr) ⁵ STAT Elective (3cr) SCSU Liberal Education (9cr) Total Semester Credits=15	STAT 417 (3cr) ⁴ STAT 448 or MATH Elective (3cr) ⁵ STAT Elective (3cr) University Elective (9cr) Total Semester Credits=15
Seventh Semester	Eighth Semester
⁴ STAT 447 (3cr) or MATH 421 (3cr) MATH Elective or University Elective (3cr) University Elective (9cr) Total Semester Credits=15	STAT 480 (3cr) ⁴ STAT 448 or MATH Elective (3cr) University Elective (6cr) Total Semester Credits=12

Notes:

¹ 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 STAT 229.

²MATH 221, MATH 222, and STAT 229 all satisfy Goal Area 4 of the SCSU Liberal Education program.

³Programming electives are chosen from this list: CSCI 201, 260, 261; ECE 102; MME 102; MATH 252; CNA 267. MATH 252 is only offered in spring term.

⁴STAT 304, 321, and 447 are only offered in fall terms. STAT 421 and 448 are only offered in spring terms. MATH 421 is only offered every other fall term (even numbered years).

⁵The STAT Electives are chosen from this list: STAT 332, 424, 427, 430, 433, 436, 440. The MATH Electives are chosen from this list: MATH 325, 353, 373, 452, 453. Offering patterns can be found in the table below.

Fall (odd years): STAT 436; MATH 452	Spring (even years): STAT 424, 452; MATH 353
Fall (even years): STAT 427, 433; MATH 421, 453	Spring (odd years): STAT 332, 430 or 440

Generally the following program courses are offered during Summer Sessions: MATH 112, 113, 221, 222, 325; CSCI 200, 260, 261. Contact departments to determine expected Summer Session course offerings.

SCSU requires a minimum of 120 semester credits to earn a Bachelors degree and 45 of these credits must be at the 300 or 400-level. Electives, if necessary, should be chosen to fulfill these requirements.