

BS Statistics – Applied Statistics Emphasis: 59 credits in Major

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

BS Statistics – Applied Statistics Emphasis Major Advisor

Dr. Leonard Onyiah 320-308-2278 lonyiah@stcloudstate.edu ECC 238

Dr. David Robinson, Dr. Hui Xu, and Dr. Shiju Zhang are also suitable advisors for this program.

First Semester	Second Semester
¹ MATH 115 or MATH 221 (5cr) PESS 122 (1cr) ² SCSU Liberal Education (9cr) Total semester credits=15	¹ MATH 221 (5cr) STAT 229 (3cr) SCSU Liberal Education (6cr) Total semester credits=14
Third Semester	Fourth Semester
⁷ STAT 304 (3cr) ⁷ STAT 321 (3cr) MATH 222 (4cr) SCSU Liberal Education (6cr) Total semester credits=16	⁷ STAT 421 (3cr) MATH 312 (3cr) ³ Programming Elective (3cr) SCSU Liberal Education (6cr) Total semester credits=15
Fifth Semester	Sixth Semester
⁴ STAT Elective (3cr) ⁵ Major Elective (3cr) SCSU Liberal Education (9cr) Total Semester Credits=15	⁵ STAT Elective (3cr) ⁵ STAT Elective (3cr) ⁶ Software Applications/Programming Elective (2 or 3cr) University Elective (6cr) Total Semester Credits=14 or 15
Seventh Semester	Eighth Semester
STAT 417 (3cr) ⁴ STAT Elective (3cr) ⁵ Major Elective (3cr) University Elective (6cr) Total Semester Credits=15	STAT 480 (3cr) ⁴ STAT Elective (3cr) ⁵ Major Elective (3cr) University Elective (6cr) Total Semester Credits=15

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. CSCI 201 may require CSCI 200 as a prerequisite.

⁴The 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 453	Spring (odd years): STAT 332, 430 or 440

⁵Major Electives are selected from this list: IS 350, 443, 445, 454, 460; CSCI 220, 301, 310, 311, 320, 330, 331, 415; MATH 325, 353, 373, 452, 453; CNA 397, 425, 426, 436, 437, 450, 451

⁶Software Applications/Programming electives include CNA 302, 303, 304; IS 350, 443, 445, 454, 460; CSCI 220, 301, 310, 311, 320, 330, 331, 415

⁷STAT 304 and 321 are fall only. STAT 421 is spring only.

Generally the following program courses are offered during Summer Sessions: MATH 112, 113, 221, 222, 325; CSCI 200, 260, 261; IS 350, 443, 460. 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.

Revised: February 12, 2012