Southern Illinois University Edwardsville
BACHELOR OF SCIENCE – MATHEMATICAL STUDIES: STATISTICS

This guide provides only a suggested course of study and should be used in consultation with an adviser and the SIUE Undergraduate Catalog available online at www.siue.edu/registrar/.

YEAR	FALL		SPRING	
1	MATH 150 Calculus I	5	MATH 152 Calculus II	5
	CS 140 Introduction to Computing I	4	ENG 102 English Composition II	3
	ENG 101 English Composition I	3	PHYS 151 University Physics I (Intro NSM)	4
	SPC 103 Interpersonal Communication (IGR)^	3	PHYS 151L University Physics Lab I	1
	Intro Fine Arts & Humanities	3	Intro Social Sciences	3
		18		16
2	MATH 223 Logic & Reasoning	3	MATH 321 Linear Algebra I	3
	MATH 250 Calculus III	4	MATH 350 Introduction to Analysis	3
	PHIL 106 Critical Thinking or		Dist Fine Arts & Humanities	3
	MATH 106 Deductive Reasoning	3	Dist Social Sciences	3
	Intro GENERAL EDUCATION	3	ELECTIVE	3
	Intro GENERAL EDUCATION	3		
		16		15
3	STAT 480a Intro to Math Statistics	3	STAT 480b Intro to Math Statistics	3
	STAT ELECTIVE**	3	Interdisciplinary Studies (IS)	3
	Dist Natural Sciences	3	Minor/Supporting Courses*	3
	International Issues/Culture (II/IC)+	3	Minor/Supporting Courses*	3
	Minor/Supporting Courses*	3	ELECTIVE	3
		15		15
4	MATH 498 Senior Seminar	2	MATH 499 Senior Project	2
	Minor/Supporting Courses*	3	STAT 482 Regression Analysis	3
	STAT ELECTIVE**	3	Minor/Supporting Courses*	3
	STAT ELECTIVE**	3	Minor/Supporting Courses*	3
	STAT ELECTIVE**	3	ELECTIVE	4
		14		15

^ If SPC 104 or 105 is taken instead of SPC 103, then a course from the list of Intergroup Relations courses in the current SIUE catalog must also be taken.

\+ Course taken to fulfill this requirement may also satisfy another General Education requirement. Refer to the SIUE Undergraduate Catalog for a list of approved courses.

* Supporting Courses: Either a minor or nine additional hours of mathematics, statistics, or operations research and nine hours of supporting courses approved by the adviser.

** Choose from STAT 478, 481, 483, 484, 485, 486, 487, 488; OR 440, 441, 442; or MATH 465, 466.

Declaring a Statistics Major: To declare a major in Statistics, it is necessary to have:

1. Completed all Academic Development courses required by the University;
2. Completed any required courses to address high school deficiencies;
3. Satisfied one of the following:
   a) Completed MATH 120 & 125 or mathematics courses having these courses as prerequisites (or equivalent courses at another accredited institution of higher education), have a grade point average of 2.0 or higher in all University mathematics courses, and have a grade point average of 2.0 or higher in all University courses taken.
   b) Completed in high school, seven semesters of University preparatory mathematics courses including a course in trigonometry, and have no grade lower than a C in those courses.

For further information, contact the Mathematics and Statistics Department, SL 1314, 650-2382.

11/7/08