STATISTICS (B.S.)

Curriculum Map

Curriculum	map	
Course	Title	Hours
Freshman		
Fall		
ENG 104	COMPOSITION I	3
or ENG 103	or English Composition I with Co-requisite Support	
or ENG 111	or COMPOSITION & LITERATURE FOR L	
MATH 241	CALCULUS I WITH LABORATORY	3
MATH 271	ELEMENTARY STATISTICS I	3
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Op		3
Social & Behavioral Science	•	3
	Hours	17
Spring		
ENG 105 or ENG 112	COMPOSITION II or COMPOSITION	3
MATH 242	CALCULUS II WITH LABORATORY	3
STAT 272	DATA ANALYSIS	3
Humanities & Fine Arts Op		3
Natural Science Option		3
Pathway Option		3
	Hours	18
Sophomore		
Fall		
MATH 243	CALCULUS III WITH LABORATORY	3
STAT 350	COMPTNL STATS AND DATA MNGT	3
Social & Behavioral Science	ce Option	3
Natural Science Option		3
Pathway Option		3
	Hauna	15
	Hours	15
Spring	nours	15
Spring MATH 244	CALCULUS IV WITH LABORATORY	3
MATH 244	CALCULUS IV WITH LABORATORY	3
MATH 244 MATH 331	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY	3
MATH 244 MATH 331 STAT 300	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT	3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT	3 3 3 1
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT	3 3 3 1 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT stion	3 3 1 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT stion	3 3 1 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT stion	3 3 1 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT toton	3 3 1 3 3 3 16
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I	3 3 1 3 3 3 16 3 3 3 4
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I	3 3 1 3 3 3 16 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I	3 3 1 3 3 3 16 3 3 3 4
MATH 244 MATH 231 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours	3 3 1 3 3 3 16 3 3 4 3 3 13
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II	3 3 1 3 3 3 16 3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 368	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS	3 3 1 3 3 3 16 3 3 4 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 MATH 368 STAT 357	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I	3 3 1 3 3 3 16 3 3 4 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 MATH 357 STAT 357 STAT 455	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 MATH 368 STAT 357	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I EXPERIMENTAL DESIGN	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 231 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 368 STAT 357 STAT 455 General Elective	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 MATH 368 STAT 357 STAT 455 General Elective Senior	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I EXPERIMENTAL DESIGN	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 STAT 357 STAT 455 General Elective Senior Fall	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I EXPERIMENTAL DESIGN Hours	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3
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MATH 244 MATH 331 STAT 300 UNIV 200 Humanities & Fine Arts Op Pathway Option Junior Fall MATH 351 MATH 355 Science Elective with Lab General Elective Spring MATH 356 MATH 356 STAT 357 STAT 455 General Elective Senior Fall	CALCULUS IV WITH LABORATORY LINEAR ALGEBRA & MATRIX THEORY REGRESSION ANALYSIS CIVIC ENGAGEMENT otion Hours ADVANCED CALCULUS I PROBABILITY&STATISTICS I Hours PROBABILITY & STATS II DIFFERENTIAL EQUATIONS ACTUARIAL SCI EXAM:PROB/EXAM I EXPERIMENTAL DESIGN Hours	3 3 1 3 3 3 16 3 3 3 3 3 3 3 3 3 3 3 3 3

Science Elective and Lab		4
	Hours	13
Spring		
STAT 408	TIME SERIES ANALYSIS	3
STAT 418	SEMINAR IN STATISTICS	3
General Elective		3
Science Elective with Lab		4
	Hours	13
	Total Hours	120

Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS; however, the student must take 2 hours of general electives to replace the UNIV course.
- General electives must be taken with the consultation of the department academic advisor.
- Online Graduation Clearance (to be completed during the graduating semester only)

Specialization Courses

Code	Title	Hours	
Pure Mathematics			
MATH 311	ABSTRACT ALGEBRA I	3	
MATH 431	REAL ANALYSIS I	3	
MATH 441	COMPLEX ANALYSIS I	3	
MATH 321	MODERN GEOMETRY I	3	
MATH 451	GENERAL TOPOLOGY I	3	
Applied Mathematics			
MATH 415	PARTIAL DIFF EQUATIONS I	3	
MATH 466	OPERATIONS RESEARCH	3	
Applied Statistics (See Advisor)			