

STATISTICS (B.S.)

Curriculum Map

Course	Title	Hours
Freshman		
Fall		
ENG 104 or ENG 103 or ENG 111	COMPOSITION I or English Composition I with Co-requisite Support or COMPOSITION & LITERATURE FOR L	3
MATH 241	CALCULUS I WITH LABORATORY	3
MATH 271	ELEMENTARY STATISTICS I	3
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Option		3
Social & Behavioral Science Option		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 Option		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 Option		3
Natural Science Option		3
Pathway Option		3
Hours		15
Spring		
MATH 244	CALCULUS IV WITH LABORATORY	3
MATH 331	LINEAR ALGEBRA & MATRIX THEORY	3
STAT 300	REGRESSION ANALYSIS	3
UNIV 200	CIVIC ENGAGEMENT	1
Humanities & Fine Arts Option		3
Pathway Option		3
Hours		16
Junior		
Fall		
MATH 351	ADVANCED CALCULUS I	3
MATH 355	PROBABILITY&STATISTICS I	3
Science Elective with Lab		4
General Elective		3
Hours		13
Spring		
MATH 356	PROBABILITY & STATS II	3
MATH 368	DIFFERENTIAL EQUATIONS	3
STAT 357	ACTUARIAL SCI EXAM:PROB/EXAM I	3
STAT 455	EXPERIMENTAL DESIGN	3
General Elective		3
Hours		15
Senior		
Fall		
STAT 323	NONPARAMETRIC STATISTICS	3
STAT 414	MULTIVARIATE DATA ANALYSIS	3
General Elective		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)		