

DEGREE REQUIREMENTS

Major in Statistics

A minimum of 120 credit hours are required to complete the major in Statistics, including the following:

- A minimum of 33 credit hours in Core Curriculum requirements
- A minimum of 39 credit hours in Major Requirements
- A minimum of 12 credit hours in Major Electives
- A minimum of 12 credit hours in Major Supporting Requirements
- A minimum of 24 credit hours in Minor requirements

Core Curriculum Program (33 credit hours)

Common package (15 CH)

- ARAB 100 Arabic Language I
- ARAB 200 Arabic Language II
- ENGL 202 English Language I Post Foundation
- ENGL 203 English Language II Post Foundation
- DAWA 111 Islamic Culture

Social/Behavioral Sciences package (3CH)

Courses in the CCP defined Social/Behavioral Sciences package.

Humanities /Fine Arts package (3 CH)

Students must complete a minimum of 3 Credit Hours from courses listed in the Qatar and Gulf History Sub-package part of the Humanities/Fine Arts package.

Natural Science/Mathematics package (3 CH)

Courses in the CCP defined Natural Science/Mathematics package.

Supplemental College / Program Core Requirements Package (3 CH)

- UNIV 100 First Year Seminar

General Knowledge package (3 CH)
Courses in the CCP defined General Knowledge package.

General Skills package (3 CH)
Courses in the CCP defined General Skills package.

Major Core Requirements (39 CH)
Students must complete a minimum of 39 credit hours in Major required courses:

- STAT 101 Statistics I
- STAT 102 Statistics II
- STAT 211 Introduction to Probability
- STAT 221 Mathematical Statistics I
- STAT 231 Applied Regression Analysis
- STAT 312 Stochastic Processes
- STAT 322 Mathematical Statistics II
- STAT 332 Design of Experiments
- STAT 333 Time Series
- STAT 361 Sampling Methods
- STAT 371 Statistical Packages
- STAT 481 Multivariate Analysis
- STAT 499 Graduation Project

Major Electives (12 CH)
Students must complete a minimum of 12 credit hours in Major electives courses:

- STAT 241 Biostatistics
- STAT 242 Demography
- STAT 341 Actuarial Statistics I
- STAT 343 Applied Survival Analysis
- STAT 344 Quality Control
- STAT 372 Statistical Simulation
- STAT 381 Categorical Data Analysis
- STAT 382 Nonparametric Methods
- STAT 434 Generalized Linear Models
- STAT 442 Actuarial Statistics II
- STAT 445 Reliability and Life Testing
- STAT 464 Environmental Statistics
- STAT 482 Bayesian Statistics
- STAT 498 Special Topics

Major Supporting Requirements (12 CH)
• MATH 101 Calculus I
• MATH 102 Calculus II
• MATH 231 Linear Algebra
• MATH 251 Mathematics for Statistics

Minor Requirements (24 CH)
Students enrolled in the Statistics program may take any of the minors offered within the university.

MINOR IN STATISTICS

The minor in Statistics is designed to provide students with a firm foundation in statistical theory so that they can confidently collect and analyze their data with the help of statistical packages.

Declare the minor
Applicants for the minor in Statistics must satisfy OU requirements for declaring a minor.

Minor in Statistics (24 CH)
Students seeking a minor in Statistics must complete a minimum of 24 credit hours, including the following:
• A minimum of 18 credit hours in Minor requirements
• A minimum of 6 credit hours in Minor electives

Minor Requirements (18 CH)
Students must complete a minimum of 18 credit hours in Minor required courses:

- STAT 101 Statistics I
- STAT 102 Statistics II
- STAT 211 Introduction to Probability
- STAT 231 Applied Regression Analysis
- STAT 361 Sampling Methods
- STAT 371 Statistical Packages

Minor Electives (6 CH)
Students must complete a minimum of 6 credit hours in Minor electives courses:

- STAT 221 Mathematical Statistics I
- STAT 241 Biostatistics
- STAT 242 Demography
- STAT 332 Design of Experiments
- STAT 333 Time Series
- STAT 343 Applied Survival Analysis
- STAT 344 Quality Control
- STAT 372 Statistical Simulation
- STAT 381 Categorical Data Analysis
- STAT 382 Nonparametric Method

Study Plan for Statistics
Bachelor of Science in Statistics

FIRST YEAR (30 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	STAT 101	Statistics I	3
	MATH 101	Calculus (1)	3
		Core Curriculum Course 1	3
		Core Curriculum Course 2	3
		Core Curriculum Course 3	3
Total Credit Hours in Semester			15
Spring	STAT 102	Statistics II	3
	MATH 102	Calculus (2)	3
		Core Curriculum Course 4	3
		Core Curriculum Course 5	3
		Core Curriculum Course 6	3
Total Credit Hours in Semester			15

SECOND YEAR (30 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	STAT 211	Introduction to Probability	3
	MATH 231	Linear Algebra	3
	MATH 251	Mathematics for Statistics	3
		Core Curriculum Course 7	3
		Core Curriculum Course 8	3
Total Credit Hours in Semester			15
Spring	STAT 221	Mathematical Statistics I	3
	STAT 231	Applied Regression Analysis	3
		Core Curriculum Course 9	3
		Core Curriculum Course 10	3
		Core Curriculum Course 11	3
Total Credit Hours in Semester			15

THIRD YEAR (30 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	STAT 312	Stochastic Processes	3
	STAT 322	Mathematical Statistics II	3
	STAT 371	Statistical Packages	3
		Minor 1	
		Minor 2	
Total Credit Hours in Semester			15
Spring	STAT 332	Design of Experiments	3
	STAT 333	Time Series	3
	STAT 361	Sampling Methods	3
		Minor 3	
		Minor 4	
Total Credit Hours in Semester			15

FOURTH YEAR (30 credit hours)			
Term	Course #	Course Title	Credit Hours
Fall	STAT 481	Multivariate Analysis	3
		Major Elective 1	
		Major Elective 2	
		Minor 5	
		Minor 6	
	Total Credit Hours in Semester		
Spring	STAT 499	Graduation Project	3
		Major Elective 3	
		Major Elective 4	
		Minor 7	
	Minor 8		
Total Credit Hours in Semester			15