

## BSc in Statistics – Curriculum Chart

### Term 1

Courses	Credits	Code	Prerequisites	Type
General Mathematics (1)	4			Basic
Fundamentals of Mathematics	۳			Basic
Fundamentals of Economics/Demographics/Genetics/Environment	۲			Basic
Introductory Statistics and Probability	۳			Basic
General Persian	۳			General
Physical Education (1)	۱			General
<b>Total Credits</b>	<b>۱۶</b>			

### Term 2

Courses	Credits	Code	Prerequisites	Type
General Mathematics 2	۴		General Mathematics (1)	Basic
Fundamentals of Computer and Programming	۳		-	Basic
Probability (1)	۴		General Mathematics (1) / Introductory Statistics and Probability	Required
Introduction to Official Statistics	۲		Introductory Statistics and Probability	Required
General English	۳		-	General
Physical Education (2)	۱		Physical Education (1)	General
<b>Total Credits</b>	<b>۱۷</b>			

### Term 3

Courses	Credits	Code	Prerequisites	Type
Differential Equation	۳		General Mathematics (2)	Basic
Mathematical Analysis (1)	۴		Fundamentals of Mathematics / General Mathematics (2)	Required
Probability (2)	۴		General Mathematics 2 / Probability (1)	Required
Statistical Methods	۳		Probability (1)	Required
Knowledge of Family and Population	۲		-	General
<i>General Courses of Islamic Teachings</i>	۲		-	General
<b>Total Credits</b>	<b>۱۸</b>			

## Term 4

Courses	Credits	Code	Prerequisites	Type
Linear Algebra for Statistics	۳		Fundamentals of Mathematics / General Mathematics (2)	Required
Mathematical Statistics (1)	۳		Probability (2) / Statistical Methods	Required
Random Processes	۴		Probability (2)	Required
Sampling Methods (1)	۳		Statistical Methods	Required
Nonparametric Methods	۳		Statistical Methods	Required
<i>General Courses of Islamic Teachings</i>	۲		Fundamentals of Mathematics / General Mathematics (2)	General
<b>Total Credits</b>	<b>۱۸</b>			

## Term 5

Courses	Credits	Code	Prerequisites	Type
Mathematical Statistics (2)	۳		Mathematical Statistics (1)	Required
Regression (1)	۳		Linear Algebra for Statistics / Mathematical Statistics (1)	Required
Numerical Methods and Simulation	۳		Differential Equations / Fundamentals of Computer and Programming / Linear Algebra / Probability (2)	Required
Time Series (1)	۴		Mathematical Statistics (2) / Random Processes	Required
Sampling Methods (2)	۳		Sampling Methods (1)	Required
<i>General Courses of Islamic Teachings</i>	۲		-	General
<b>Total Credits</b>	<b>۱۸</b>			

## Term 6

Courses	Credits	Code	Prerequisites	Type
Regression (2)	۳		Regression (1)	Required
Experimental Design (1)	۳		Regression (1)	Required
Discrete Multivariate Methods (1)	۴		Statistical Mathematics (2) / Regression (1)	Required
English for Students of Mathematics	۲		General English / Regression (1)	Required
Continuous Multivariate Methods (1)	۳		Mathematics Statistics (2) / Regression (1)	Required
<i>General Courses of Islamic Teachings</i>	۲		-	General
<b>Total Credits</b>	<b>۱۷</b>			

Term 7

Courses	Credits	Code	Prerequisites	Type
Experimental Design (2)	3		Experimental Design (1)	Required
Continuous Multivariate Methods (2)	3		Continuous Multivariate Methods (1)	Required
Statistical Quality Control	3		Probability (1) / Sampling Methods (1)	Required
<i>Elective Course (1) from the Offered Courses</i>	3		<i>Depends on the Course</i>	Elective
<i>Elective Course (2) from the Offered Courses</i>	3		<i>Depends on the Course</i>	Elective
<i>General Courses of Islamic Teachings</i>	2		-	General
<b>Total Credits</b>	<b>17</b>			

Term 8

Courses	Credits	Code	Prerequisites	Type
Statistical Calculations	3		Experimental Design (1) / Numerical Methods and Simulation	Required
Research Methodology and Statistical Consultation	2		Sampling Methods (2) / Experimental Design (1)	Required
Project	2		At least 90 credits must have been passed.	Project
<i>Elective Course (1) from the Offered Courses</i>	3		<i>Depends on the Course</i>	Elective
<i>Elective Course (2) from the Offered Courses</i>	3		<i>Depends on the Course</i>	Elective
<i>General Courses of Islamic Teachings</i>	2		-	General
<b>Total Credits</b>	<b>15</b>			

Total Credits of General Courses: 22

Total Credits of Basic Courses: 22

Total Credits of Required Courses: 78

Total Credits of Elective Courses: 12

Total Credits of Project: 2

Total Credits: 136