

**Requirements for the B.Sc. degree in "Statistics & Operations Research"**

Course #	Course Name	Course #	Course Name
<b>1. University Requirements (27 credits)</b>		<b>3. Department Requirements (60 Credits)</b>	
<b>A. Compulsory (15 credits)</b>		<b>A. Compulsory (48 Credits)</b>	
101	Arabic Language	3	<a href="#">210 Introduction to Probability</a>
100	Modern and Continuing History of Kuwait	3	<a href="#">240 Statistical Methods</a>
161	English 1 <sup>1</sup>	3	<a href="#">250 Operations Research I</a>
162	English 2	3	<a href="#">260 Statistical Computing I</a>
102	History of Islamic Civilization and Culture	3	<a href="#">310 Stochastic Processes I</a>
<b>B. Elective (12 credits)</b>		<a href="#">321 Theory of Statistics I</a>	
The student selects 3 credits from each group		<a href="#">341 Regression Analysis</a>	
of skills for a total of 12 credits.		<a href="#">342 Time Series and Forecasting</a>	
<b>1. Human and Social Science Skills</b>		<a href="#">350 Operations Research II</a>	
101	Introduction to Psychology	3	<a href="#">351 Simulation I</a>
101	Introduction to Mass Communication Science	3	353 Linear Programming
201	Introduction to Education	3	<a href="#">421 Theory of Statistics II</a>
136	Family Education	3	<a href="#">441 Experimental Design</a>
101	Introduction to Sociology	3	<a href="#">456 Optimization</a>
171	Introduction to Anthropology	3	<a href="#">460 Case Studies in Operation Research</a>
<b>2. Language and Communication Skills</b>		<a href="#">498 Research Project in Operations Research</a>	
102	Aesthetics of Arabic Literature	3	<b>B. Elective (12 Credits)</b>
100	Culture and Literature in Kuwait	3	The student selects 6-9 credits from "Group I"
104	Aesthetics of Quranic Style	3	and 3-6 credits from "Group II" for a total
180	Principles of Translation	3	of 12 credits
173	Technical Writing	3	<b>Group I</b>
163	English 3	3	<a href="#">411 Decision Analysis</a>
<b>3. National, Arab, and Islamic Cultural</b>		<a href="#">423 Multivariate Analysis</a>	
103	Government and Politics of Kuwait	3	<a href="#">430 Theory of Econometrics</a>
102	Islamic Culture	3	444 Survival Analysis
142	Islam and modern society	3	450 Queuing Systems
145	Islam and Issues of Science and technology	3	<a href="#">452 Reliability</a>
105	Human Rights	3	<a href="#">454 Scheduling</a>
102	Law Culture	3	<b>Group II</b>
108	Ethics and Modern Society	3	<a href="#">331 Quality Control</a>
<b>4. Cultural Pluralism Skills</b>		Non-Parametric Statistics	
101	Philosophy of Science	3	<a href="#">343 Sampling Methods</a>
103	Principles of Philosophy	3	<a href="#">451 Networks</a>
102	Introduction to Logic	3	<b>4. The Minor (24 Credits)</b>
110	Principles of Management	3	The student chooses a minor given in the
105	Comparative Perspectives on Women and Politics	3	university upon the approval of the department.
104	Principles of Economy	3	_____
<b>2. College Requirements (18 Credits)</b>		_____	
<a href="#">101</a>	<a href="#">Principles of Statistics<sup>1</sup></a>	3	_____
106	Fortran	3	_____
101	Calculus I <sup>1</sup>	3	_____
102	Calculus II	3	_____
111	Linear Algebra	3	_____
211	Calculus III	3	_____
		<b>Total credits needed 129 credits</b>	

<sup>1</sup> Compulsory for specifying the major.

**Note:** Stat 102, Stat 104, Stat 105, Stat 201, Stat 202, Stat 203, stat 215, math 115 and 0490106 (Information and computer skills) are not counted for Statistics and Operations Research students.  
Any 100 level courses from the College of Science (except those listed in the college requirements) can be counted as an elective university requirement.