

**Requirements for the B.Sc. degree in "Statistics & Operations Research"  
For new Student 2002/2003**

Course #	Course Name	Course #	Course Name
	<b>1. University Requirements (24 Credits)</b>		<b>B. Partially Elective (6 Credits)</b>
	<b>A. Compulsory (12 Credits)</b>		The student selects 3 credits from "Group I" and 3 credits from "Group II"
101	Arabic Language 3		<b>Group I:</b>
102	History of Arabic and Islamic Civilization 3	450	Queuing Systems 3
161	English I 3	451	Networks 3
162	English II 3	452	Reliability 3
	<b>B. Elective (12 Credits) *</b>	455	Simulation II 3
	The student selects 4 courses from:		<b>Group II:</b>
163	English III 3	344	Survival Analysis 3
173	English 3	441	Experimental Design 3
103	Government & Politics of Kuwait 3	423	Multivariate Analysis 3
101	Introduction to Sociology 3		<b>C. Elective (15 Credits)</b>
101	Principles of Statistics ** 3		The student selects 15 credits from Stat & O.R. department or Math department, including at least 9 credits of Stat & O.R. courses from which at least 3 credits of 400 level.
103	Principles of Philosophy 3		----- 3
101	Introduction to Psychology 3		----- 3
102	Home Economics 3		----- 3
110	Principals of Management for non-add Science 3		----- 3
101	Philosophy of Science 3		----- 3
104	Palestinian Problem 3		----- 3
101	Scientific Research 3		----- 3
102	Islamic Culture 3		----- 3
101	Geography of Man & Environment 3		----- 3
173	Man Anthropology 3		
190	<b>C. Arabic Language (For foreigners only) *** 9</b>		<b>4. The Minor (24 Credits)</b>
	<b>2. College Requirements (12 Credits)</b>		The student chooses a minor given in the college or upon the approval of the chairman.
101	Calculus I 3		----- 3
102	Calculus II 3		----- 3
111	Linear Algebra 3		----- 3
211	Calculus III 3		----- 3
	<b>3. Department Requirements (60 Credits)</b>		----- 3
	<b>A. Compulsory (39 Credits)</b>		----- 3
106	Statistical computing 3		<b>5. Free Elective (6 Credits)</b>
210	Introduction to Probability 3		Selected from any courses in the university
240	Statistical Methods 3		----- 3
250	Operations Research I 3		----- 3
310	Stochastic Processes I 3		
321	Theory of Statistics I 3		<b>Total credits needed 126 credits</b>
333	Statistical Packages 3		
341	Regression Analysis 3		
350	Operations Research II 3		
351	Simulation I 3		
421	Theory of Statistics II 3		
453	Linear Programming 3		
498	Research Project in OR 3		

\* Any 100 level course from the Faculty of Science (other than the college requirements) can be considered in this group.  
 \*\* Compulsory  
 \*\*\* The student taking this course will be exempted from some University requirements taught in Arabic up to 9 credit hours.

**Note:**

Math 115, Stat 102, Stat 201, Stat 202 and Stat 203 are not counted for Statistics & O.R. students.