

Continuing Master of Science in Decision Sciences (Evening Study)

Program overview

In order to build a partnership with all institutions and companies to make sound decisions, to study problems, and find alternative solutions and optimal decision-making, and due to lack of qualified persons in Saudi Labor Market who can do such missions and since there are no academic degrees in Saudi universities to prepare such persons in contrast to the American and European universities.

Therefore, the department suggested a Master degree in decision sciences to fulfill such lack and cope with the advanced universal standard.

The Master of Science in Decision Sciences, MSDS, provides students with knowledge of quantitative skills and experience in analyzing problems arising in a business environment. The program is designed to provide knowledge about applying quantitative methods to real-world problems using modern methodologies adopted from statistics, and operations research (management science). Today companies in every conceivable industry are reaping the benefits of using formal mathematical models to assist them in addressing complex business problems. The MS in Decision Sciences focuses on modeling and applications, which prepares students for a career as a Decision Sciences specialist in industry or government and bridge the gap between quantitative analysis and management.

- **Program Vision**

Be a leading regional Master program in decisions Sciences, and in line with advanced and distinguished universities in the world.

- **Program Mission**

Preparing scientifically and technically qualified graduates in decisions sciences, and meet the needs of the business market in Saudi Arabia, as well as continuously preparing generations of researchers in this field.

- **Program Description**

[Study Plan](#)

- **Admission Requirements**

In addition to the admission criteria included in the unified bylaw of graduate studies in Saudi universities and the regulations and executive rules of graduate studies in King Saud University, the department requires that candidates:

1. The applicant must have a Bachelor degree in Business Administration from King Saud University regularly or its equivalent from any other university recommended by the Ministry of Education. Applicant without this specialization may be admitted as scientific or medical.
2. Applicants are required to obtain a minimum score of (4.5) in IELTS or equivalent.
3. Applicants must pass a written examination when the department deems it necessary, held by the Program Committee in the department

- **Career Options**

- All the positions in the ministries and governmental organizations in the administration field including: (quality & development, training and consultations, planning and strategic management, HR, public budgeting, Municipalities, and development).
- Academic and research posts in the general and private education

Program link:

<https://graduatestudies.ksu.edu.sa/ar/node/1992>

The approved English language test and equivalent scores link:

<https://graduatestudies.ksu.edu.sa/en/node/1308>

Registration link:

<https://dgs.ksu.edu.sa/Account/Login?ReturnUrl=%2F>

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• **Program Study Plan:**

First Level:

#	Course Code	Name	No. of Study Units
1	QUA 501	Business Statistical Analysis	3(3+0)
2	SDE 522	Deterministic Decision Analysis Models	3(3+0)
3	SDE 527	Quantitative Data Manipulation	3(3+0)
Total			9

Second Level:

#	Course Code	Name	No. of Study Units
1	SDE 542	Business Forecasting	3(3+0)
2	SDE 546	Probabilistic Decision Analysis Models	3 (3 + 0)
3	-----	Elective	3(3+0)
Total			9

Third Level:

#	Course Code	Name	No. of Study Units
1	BUS 571	Operations Management	3(3+0)
2	SDE 514	Statistical Models for Business Applications	3(3+0)
3	SDE 525	Simulation Modeling and Analysis	3(3+0)
4	-----	Elective	3(3+0)
Total			12

Fourth Level:

#	Course Code	Name	No. of Study Units
1	SDE 552	Advanced Topics in Decision Sciences	3(3+0)
2	SDE 599	Research Project	3(3+0)
3	-----	Elective	3(3+0)
4	-----	Elective	3(3+0)
Total			12

Elective Courses from the department

#	Course Code	Name	No. of Study Units	Prerequisite
1	SDE ٥٦٢	Applied Multivariate Methods	3(3+0)	
2	SDE ٥٧١	Multi-Objective Decision Making	3 (3 + 0)	
3	SDE ٥٧٢	Projects Management	3 (3 + 0)	
4	SDE ٥٩٨	Game Theory Applications	3 (3 + 0)	

Elective Courses from other departments

#	Course Code	Name	No. of Study Units	Prerequisite
1	ACCT 531	Seminar in Managerial Accounting	3 (3 + 0)	
2	BA 541	Marketing Management	3 (3 + 0)	
3	BA 545	Marketing Research	3 (3 + 0)	
4	BUS 572	Supply Chains Management	3 (3 + 0)	
5	ECON 543	Financial Econometrics	3 (3 + 0)	
6	ECON 503	Management Economics	3 (3 + 0)	
7	FIN 501	Corporate Finance	3 (3 + 0)	ACCT 514
8	MIS 521	Business Intelligence	3 (3 + 0)	