

Master of Science in Microbiology

College of Science

King Faisal University

Program Name	Master of Science in Microbiology
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1. Introduction

The Department of Biological Sciences is committed to offer a distinguished master program in Microbiology giving the students a chance to acquire skills and knowledge that would meet the needs of their society and raise their employment rate. The program is also committed to help in finding practical solutions to local environmental and health challenges. Therefore, the Microbiology program serve the community, raise the economic level of the region, and provide a suitable climate for research and academic publishing in prestigious journals.

2. Program Information

Program Name	Master of Science in Microbiology
College	College of Science
Department	Biological Sciences
Track	Microbiology
Level	Postgraduate
Degree	MSc
Years of Study	2 Years
Credit Hours	30
Language	English

3. Admission Requirements

Admission and registrations procedures with regulation of graduates studies in universities of the Kingdom

- Admission require the student achieved at least very good in the bachelor's degree.
- Pass the written Exam.
- Score of TOEFL (60) or IELTS (5), or STEP (83).

4. Study Plan

A minimum of two years is required for obtaining Master's degree,

- Maximum of three years for full time students.
- Maximum is four years As for part time students

Thesis program

Successful completion of (30 h) with a cumulative GPA of at least Very Good including:

- Compulsory courses (16 h).
- Elective courses (6 h).
- Two Panel discussions (2 h).
- Thesis discussion (6 h, spreading in two semesters) and the topic of the thesis is chosen in coordination with the supervisor and after approval of the Dept. Council.

Year 1

First Semester

Course Code	Course Title	Credit Hours
0816-500	Molecular Biology	3
0816-511	Advanced Microbiology	3
0816-512	Advanced Environmental Microbiology	2

Second Semester

Course Code	Course Title	Credit Hours
0816-502	Methodology and thesis writing	1
0816-503	Biostatistics	3
0816-513	Advanced Microbial Physiology	2
0816-514	Microbial toxins	2

Under the guidance of academic supervisor, students choose elective modules (6 h) in the following year.

Elective Courses

Course Code	Course Title	Credit Hours
0816-501	Biochemistry	3
0816515	The Biological of Microalgae	3
0816516	Advanced Mycology	3
0816517	Advanced Bacteriology	3
0816518	Advanced Virology	3
0816519	Laboratory diagnostic of Microbes	2
0816520	Isolation and Identification of Fungi	2
0816521	Antibiotics	2
0816522	Microbial Plant pathology	2
0816523	Soil Microbiology	2
0816524	Water Microbiology	2
0816525	Industrial Microbiology	2
0816526	Food Microbiology	2
0816527	Designing of Microbiological experiments	2
0816528	Microbial Biotechnology	2
0816529	Biology of Cyanobacteria	2
0816530	Selected topics in Mycology	2
0816531	Selected topics in Bacteriology	2
3208165	Selected topics in Virology	2
3308165	Panel Discussion	1
0816599	Thesis	6