

Master of Science in Botany

College of Science

King Faisal University

Program Name	Master of Science in Botany
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1. Introduction

The Department of Biological Sciences is committed to offer a distinguished master program in Zoology 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 Zoology 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 Botany
College	College of Science
Department	Biological Sciences
Track	Botany
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

Compulsory general and specialized courses to be studied in the first and second semesters of the first academic year as shown:

First Semester

Course Code	Course Title	Credit Hours
0816-501	Biochemistry	3
0816-541	Advanced Plant Taxonomy	2
0816-542	Advanced Plant Ecology	3

Second Semester

Course Code	Course Title	Credit Hours
0816-502	Methodology and thesis writing	1
0816-503	Biostatistics	2
0816-543	Advanced Cytogenetic	2
0816-544	Advanced Plant Physiology	3

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

Elective Courses

Course Code	Course Title	Credit Hours
0816-545	Biotechnology of Algae	2
0816-546	Phytoplankton Dynamics	2
0816-547	Plant Development (Evolution)	2
0816-548	Palaeobotany	2
0816-549	Wildlife Management	2
0816-550	Advanced Biodiversity	2
0816-551	Coastal Habitats	2
0816-552	Advanced Economic and Medicinal Plants	2
0816-553	Flora of the Kingdom of Saudi Arabia	2
0816-554	Plant Reproduction	2
0816-555	Selected Topics in Botany	2
0816-556	Plant Water Relations and Nutrition	2
0816-557	Plant Growth Regulators	2
0816-558	Enzymes and Metabolic Pathways in Plant	2
0816-559	Plant Tissue Culture and Organogenesis	2
0816-560	Panel Discussion	1
0816-599	Thesis	6