

MSc in Botany

Program's description

Identification Card

Program:	MSc in Botany
Program Code:	BOT
Qualification Level:	7 (MSc Degree)
Department:	Botany and Microbiology
College:	Science
University:	King Saud University
Program's Main Location:	Al Daryah, Riyadh
Program's Branches:	NA
Total credit hours:	31
Exit Points:	NA

MSc of Botany's Mission

To qualify M.Sc. students in Botany to substantial educational and research standards through an inspirational academic environment to meet the needs of KSA in all related domains.

General description

The program offers in-depth education and advanced research in plant sciences, focusing on innovative technology and national and international partnerships. Students are trained to apply plant science principles to environmental challenges and conduct independent research projects that promote sustainable resource management.

Study plan

Duration: Spanning over four levels of study.

Core Courses: Cover topics such as Plant Surfaces, Advanced Angiosperm Taxonomy, Advanced Ecology, Genetics, and Mineral Nutrition of Plants.

Level	Course Code	Course Title	Credit Hours
	BOT 512	Plant Surfaces	2
	BOT 521	Advanced Angiosperm Taxonomy	2
Level 1	BOT 541	Advanced Ecology	2
	BOT 551	Advanced Genetics	2
	BOT 571	Plant Biosynthesis	2
	BOT 514	Applied Plant Anatomy	2
	BOT 523	Field Taxonomy	2
Level 2	BOT 543	Desertification and Conservation of Natural Resources	2
	BOT 572	Mineral Nutrition of Plants	3
	BOT 591	Specialized Topics	1
	BOT 553	Advanced Cytogenetics	3
Level 3	BOT 592	Seminar	1
	BOT 596	Thesis Proposal Preparation	1
Level 4	BOT 600	Thesis	6

Research Project: Involves preparing a thesis proposal and completing a comprehensive research thesis in the final level.

Total Credit Hours: 31 hours.

Facilities and Equipment

The MSc in Botany program provides 30 modern classrooms equipped with audiovisual facilities, accommodating 30 to 50 students, enhancing an interactive learning environment. It also includes 20 well-equipped laboratories stocked with essential tools and materials for practical sessions, supported by a Laboratory and Safety Committee that ensures regular maintenance and updates. Safety is prioritized with first-aid kits available in all laboratories, enriching the overall educational experience.

Jobs opportunities

Research Scientist, Environmental Consultant, Plant Breeder, Ecologist, Botanist, and positions in education and ministries like the Ministry of

Environment and Agriculture.

Program Description's Approval Data	
Council / Committee	Botany and Microbiology department
Reference No.	Program description 2024
Date	October 2024