



faculty of Science

Biology Department

MSc. in Biological Sciences- Thesis Track

A. Admission Requirements:

Students wishing to enroll in this program must satisfy the following two conditions:

- Have a bachelor degree in Biological Sciences, Agricultural Sciences, Pharmacy, Allied Medical Sciences, or Medical Sciences.
- Meeting the English language requirements as outlined by the decisions of the Higher Education Council.

B. Degree Requirements:

1. Meeting the conditions stipulated in the Master program regulations number (3) for the year 2011.
2. Completion of remedial courses recommended by the department graduate studies committee.
3. Studying and successfully passing at least (24) credit hours from the level of (600) and above.

1. Core Courses: (15) credit hours

Course code	Course name	Credit hours
Stat. 606	Data Analysis and Experimental Design	3
Bio. 642	Advanced Genetics	3
Bio. 650	Experimental Biochemistry	3
Bio. 651 A	Advanced Biotechnology	3
Bio. 655	Advanced Molecular Biology	3



2. Elective Courses: (9) credit hours

Course code	Course name	Credit hours
Bio. 600	Management and Investment of Biotechnology	3
Bio. 607	Cloning of Organisms	3
Bio. 616	Experimental Embryology	3
Bio. 617 A	Animal Cell Culture	3
Bio. 627 A	Plant Tissue culture	3
Bio. 638	Microbial Biotechnology	3
Bio. 636	Advanced Immunology	3
Bio. 645	Genetic Analysis	3
Bio. 646	Environmental Biotechnology	3
Bio. 652 B	Plant Biotechnology	3
Bio. 657 A	Advanced Bioinformatics	3
Bio. 658	Advanced Cell Biology	3
Bio. 659	Biotechnology in Health Care	3
Bio. 692 A	Special Topics	3

3. Preparation of a Master Thesis and passing its defense exam.

The master thesis is (9) credit hours appearing for registration purposes as follows:

Course Code	Course Name	Credit Hours
Bio. 699A	Master Thesis	0
Bio. 699B	Master Thesis	3
Bio. 699C	Master Thesis	6
Bio. 699D	Master Thesis	9