



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.
- 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. 641	Advanced Ecology	3
Bio. 642	Advanced Genetics	3
Bio. 650	Experimental Biochemistry	3
Bio 658	Advanced Cell Biology	3



2. Elective Courses: (9) credit hours

Course code	Course name	Credit hours
Bio. 605	Conservation Biology	3
Bio. 610	Medical Entomology	3
Bio. 611 A	Parasitic Protozoa	3
Bio. 612 A	Helminthology	3
Bio. 613	Advanced Invertebrate Zoology	3
Bio. 614	Vertebrates Morphogenesis	3
Bio. 615	Advanced Developmental Biology	3
Bio. 616	Experimental Embryology	3
Bio. 618	Immunity to Parasites	3
Bio. 619	Advanced Animal Physiology	3
Bio. 620	Flora and Fauna of Jordan	3
Bio. 621	Advanced Flowering Plants Taxonomy	3
Bio. 623	Palynology	3
Bio. 624	Advanced Biosystematics	3
Bio. 625	Palaeobotany	3
Bio. 626	Morphology of Anigiosperms	3
Bio. 628	Advanced Phycology	3
Bio. 629	Advanced Plant Physiology	3
Bio. 630	Environmental Microbiology	3
Bio. 631	Advanced Microbiology (1)	3
Bio. 632	Advanced Microbiology (2)	3
Bio. 633A	Advanced Virology	3
Bio. 634	Microbial Ecology	3
Bio. 635	Cell Culture Techniques	3
Bio. 636	Advanced Immunology	3
Bio. 637	Environmental Health	3
Bio. 640	Physiological Plant Ecology	3
Bio. 643	Topics in Plant Genetics	3
Bio. 644	Advanced Endocrinology	3
Bio. 645	Genetic Analysis	3
Bio. 648	Environmental Physiology	3
Bio. 649	Sociobiology	3
Bio. 653 A	Biochemistry of Proteins and Enzymes	3
Bio. 654 A	Biochemistry of Carbohydrates and Lipids	3
Bio. 655	Advanced Molecular Biology	3
Bio. 656	Plant Biochemistry	3
Bio. 661	Electron Microscopy	3
Bio. 662	Histochemistry	3
Bio. 671	Marine Ecology	3
Bio. 673	Advanced Marine Biology	3
Bio. 674	Physical Oceanography	3
Bio. 675	Chemical Oceanography	3
Bio. 676	Limnology	3
Bio. 692 A	Special Topics	3
Bio. 695	Research Methods	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