

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	First
Hours		Item Type	Department Elective
Group NO		Max Registration hrs	9
Faculty	9		
Department	1		
Special Department	Science		
Gender	Biological Sciences		
	Biotechnology		
	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BIO 602	Entrepreneurship in Biotechnology	3		()	
BIO 607	Organism Cloning	3		()	
BIO 615A	Advanced Embryology	3		(BIO 615)	
BIO 617A	Advanced Neurobiology	3		(BIO 617)	
BIO 619	Comparative Animal Physiology	3		(ب ٦١٩)	
BIO 631A	Advanced Microbiology	3		(BIO 631)	Normal
BIO 633A	Advanced Virology	3		(BIO 633)	
BIO 635	CELL CULTURE TECHNIQUES	3		()	
BIO 636A	Advanced Immunology	3		(BIO 636)	
BIO 637	Plant Tissue Culture	3		(BIO 637A) (ب ١٦٢٧)	
BIO 638	MICROBIAL BIOTECHNOLOGY	3		(ب ٦٣٨)	
BIO 642A	Advanced Genetics	3		(BIO 642)	
BIO 646	ENVIRONMENTAL BIOTECHNOLOGY	3		()	
BIO 647	Nanotechnology	3		()	
BIO 653	BIOCHEMISTRY OF PROTEINS AND ENZYMES	3		(ب ٦٥٣)	
BIO 656	Plant Biotechnology	3		(ب ٦٥٢)	Normal
BIO 692A	Advanced Special Topics	3		(BIO 692)	Normal

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	First
Hours		Item Type	Department Mandatory
Group NO	24	Max Registration hrs	24
Faculty	1		
Department			
Special Department	Science		
Gender	Biological Sciences		
	Biotechnology		
	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BIO 600	Management and Investment of Biotechnologies	3		()	Normal
BIO 601A	Advance Biotechnology	3		(BIO 601)	
BIO 652A	Advanced Biochemistry	3		(BIO 652)	Normal
BIO 655A	Advanced Molecular Biology	3		(BIO 655)	Normal
BIO 657A	Advanced Bioinformatics	3		(BIO 657)	Normal
BIO 658A	Advanced Cell Biology	3		(BIO 658)	Normal
BIO 659	BIOTECHNOLOGY IN HEALTH CARE	3		(ب ٦٥٩)	Normal
BIO 695	RESEARCH METHODS	3		(ب ٦٩٥)	Normal
BIO 698	COMPREHENSIVE EXAM	0		()	Normal