

## الخطة الدراسية لماجستير الجينات والتشخيص الجيني

### Thesis Track - مسار الرسالة

Course No.	Courses (33 Credit Hours)	Credit Hours
<b>Compulsory Courses (25 Credit Hours)</b>		
1	Advanced Biochemistry	3
2	Advanced Cell Biology	3
3	Laboratory Applications in Molecular Diagnostic	3
4	Microbial Genetics and Genomics	2
5	Advanced Bioinformatics	3
6	Quantitative Research and Biostatistics	2
7	Master Thesis	9
<b>Elective Courses (8 Credit Hours)</b>		
1	Genetics of Human Diseases	2
2	Advanced Hematology	2
3	Plant Genetics and Genomics	2
4	Molecular Immunology	2
5	Molecular Virology and Mycology	2
6	Molecular Parasitology	2
7	Molecular Environmental Techniques	2
8	Forensic Molecular Biology	2
9	Statistical Genetics	2
10	Special Topics	2

### Comprehensive track - مسار الشامل

Course No.	Courses (33 Credit Hours)	Credit Hours
<b>Compulsory Courses (25 Credit Hours)</b>		
1	Advanced Biochemistry	3
2	Advanced Cell Biology	3
3	Laboratory Applications in Molecular Diagnostic	3
4	Microbial Genetics and Genomics	2
5	Advanced Bioinformatics	3
6	Quantitative Research and Biostatistics	2
7	Mini Research Project	3
8	Advanced Hematology	2
9	Molecular Virology and Mycology	2
10	Molecular Immunology	2
<b>Elective Courses (8 Credit Hours)</b>		
1	Molecular Parasitology	2
2	Genetics of Human Diseases	2
3	Plant Genetics and Genomics	2
4	Forensic Molecular Biology	2
5	Molecular Environmental Techniques	2
6	Special Topics	2

