



Philadelphia University
Master Degree in Genes and Molecular Diagnostics
Advisory Study Plan (2023/2024)
Thesis Track



First Year / First Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240701	Advanced Cell Biology	3	Blended
0240710	Microbial Genetics and Genomics	2	Physical
0240761	Quantitative Research & Biostatistics	2	Blended
-----	Elective Requirement	2	Physical
Total: 9			

First Year / Second Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240740	Advanced Biochemistry	3	Blended
0240780	Laboratory Applications in Molecular Diagnostics	3	Blended
-----	Elective Requirement	2	Physical
Total: 8			

Second Year / First Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240760	Advanced Bioinformatics	3	Online
-----	Elective Requirement	2	Physical
-----	Elective Requirement	2	Physical
Total: 7			

Second Year / Second Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240799	Master Thesis	9	
Total: 9			



Philadelphia University
Master Degree in Genes and Molecular Diagnostics
Advisory Study Plan (2023/2024)
Comprehensive Track



First Year / First Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240701	Advanced Cell Biology	3	Blended
0240710	Microbial Genetics and Genomics	2	Physical
0240761	Quantitative Research & Biostatistics	2	Blended
0240702	Advanced Hematology	2	Physical
Total: 9			

First Year / Second Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240740	Advanced Biochemistry	3	Blended
0240780	Laboratory Applications in Molecular Diagnostics	3	Blended
0240703	Molecular Immunology	2	Physical
Total: 8			

Second Year / First Semester			
Course Number	Course Name	Credit Hours	Delivery Method
0240760	Advanced Bioinformatics	3	Online
0240711	Molecular Virology and Mycology	2	Physical
-----	Elective Requirement	2	Physical
-----	Elective Requirement	2	Physical
Total: 9			

Second Year / Second Semester			
Course Number	Course Name	Credit Hours	Delivery Method
-----	Elective Requirement	2	Physical
-----	Elective Requirement	2	Physical
0240798	Mini Research Project	3	
Total: 7			