

Master in Genomics and Molecular Medicine

Total Credit Hours (36 ch)

ACADEMIC YEAR 1

Semester 1 (Bethlehem University)

Foundations of Genomics 2 ch

Molecular Diagnostic Techniques 3 ch

Statistical Genomics 2 ch

Semester 2 (Palestine Polytechnic University)

Foundations of Research Methodology in Biosciences 2 ch

Bioinformatics and Genomic Data Interpretation 3 ch

Ethical and Legal Issues in Genomics 1 ch

ACADEMIC YEAR 2

Semester 3 (Bethlehem University)

Cancer Genomics and Diagnostics 3 ch

Elective course 1 2 ch

Elective course 2 2 ch

Semester 4 (Palestine Polytechnic University)

Human Genetic Disorders 3 ch

Elective course 3 2 ch

Elective course 4 2 ch

QA and Regulatory Practices in Molecular Diagnostics 1 ch

Color Key:

■ Obligatory Courses

■ Elective Courses

■ Research / Practical Training

Courses to start after the second semester (at PPU or BU)

Research Thesis	6 ch
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Practical Training	2 ch
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Summary

Obligatory courses	20 ch
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Obligatory practical training	2 ch
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Research Thesis	6 ch
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Elective courses	8 ch
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Total	36 ch
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