

MOLECULAR BIOLOGY (GRADUATE CERTIFICATE)

Contacts

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Campus: Center City

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/health-professions/departments-programs/medical-laboratory-biotechnology/degrees-programs/graduate-certificates/molecular-biology.html>)

Program Description

- Online & On-Campus option

Molecular biologists use a wide variety of techniques to prepare specimens for diagnosing genetic diseases, identifying infectious agents and paternity testing. These professionals are experts in tests and methods that are increasingly common in clinical diagnostic settings and in research and forensic laboratories. These methods include:

- DNA/RNA extraction
- Southern blot
- Western blot
- Gene amplification
- Gene sequencing

On-Campus

- Curriculum: 15 Credits

Code	Title	Credits
BT 603	Human Genetics	3
BT 606	Intro to Bioinformatics	2
BT 610	Molecular Diagnostic Technique	4
BT 812	Biotechnology Practicum I	3
LS 610	Reg & Fis Issues in Lab. Mgmt	3
Total Credits		15

Online

- Curriculum: 11 Credits

Code	Title	Credits
MLSO 603	Human Genetics	3
MLSO 611	Molecular Diagnostic Technique	2
MLSO 606	Bioinformatics	2
MLSO 610	Reg & Fiscal Issues Lab Mgmt	3
MLSO 812	Med Lab Sci Comp - Chemistry	1
Total Credits		11