


Biotechnology: Forensic DNA Science

Associate in Science

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DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

The Associate Degree in Forensic DNA Science is the first and only undergraduate degree program in this field in the world. The training of the program is unique for several reasons. First, students are trained by participating in actual criminal and anthropological cases involving DNA evidence collection and analysis. Second, forensic training is entirely hands-on and confers on students extensive skills in DNA analysis. Third, students learn to perform mitochondrial DNA analysis, a high-demand forensic methodology used to determine the identity of unidentified human remains. Further, students intern with the world's most renowned forensic institutions, including the FBI, Armed Forces DNA Identification Labs, and Royal Canadian Mounted Police.

Upon successful completion, the Associate in Science Degree in Biotechnology with a concentration in Forensic DNA Science is awarded.

PROGRAM FOOTNOTES

Humanities Electives: Art, Communications, Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts

Social Science Electives: Anthropology, Economics, Geography, Government, History, Law and Society (LA 230), Psychology, Sociology

A grade of C or higher is required for all Biotechnology (BT) courses.

This program qualifies as an Alternative Transfer Agreement (MassTransfer) with select public institutions in Massachusetts. For more information, visit www.mass.edu/masstransfer.

COURSE	COURSE TITLE	CREDITS
<i>First Year Semester 1</i>		
BI 110	Principles of Biology I w/ Lab	4
BT 101	Introduction to Biotechnology and Laboratory Rotation I	2
CH 110	Principles of Chemistry I w/ Lab	4
EN 101	Freshman English I	3
MA 102*	College Algebra	3
		credits:
		16
<i>First Year Semester 2</i>		
BI 120	Principles of Biology II w/ Lab	4
or		
BI 240	Forensic Microbiology w/ Lab	4
BT 107	Forensic Rotation I	3
CH 120	Principles of Chemistry II w/ Lab	4
CS 100	Computers and Technology	3
LA 228	Criminal Law and Procedures	3
		credits:
		17
<i>First Year Summer</i>		
CT 100	Critical Thinking	3
EN 102	Freshman English II	3
		credits:
		6
<i>Second Year Semester 1</i>		
BI 210	Molecular Biology w/ Lab	4
BT 205	Forensic DNA Science II	3
CH 201	Organic Chemistry I w/ Lab	4
CJ 217	Criminal Evidence	3
		credits:
		17
<i>Second Year Semester 2</i>		
CH 202	Organic Chemistry II w/ Lab	4
CH 210	Biochemistry I	4
LA 241	DNA Law	3
		credits:
		14
<i>Second Year Summer</i>		
BT 241	Forensic Internship	4
		Total Credits:
		74

*Pre-Calculus Mathematics (MA 104) may be substituted.