



Cecil College and Jefferson College of Health Professions at Thomas Jefferson University

Bachelor of Science

One-year Option (3+1)

Fall Semester		
Code	Course Name	Credits
BT 303	Molecular Preparatory Techniques	3
BT 310	Fundamental Molecular Techniques	4
BT 405	Applied Microbial Biotechnology	3
LS 301	Molecular Biology	3
LS 304	Biochemistry	3
LS 331	Immunology	3
Total Semester Credits		19

Spring Semester		
Code	Course Name	Credits
BT 320	Cell and Tissue Culture Techniques	4
BT 406	Introduction to Bioinformatics	2
BT 410	Molecular Diagnostic Techniques	4
BT 411	Protein Purification and Characterization	3
BT 403	Human Genetics	3
BT 325	Product Development & Management	3
LS 440	Current Research in the Biosciences	2
Total Semester Credits		21

Summer Semester		
Code	Course Name	Credits
BT 412	Biotechnology Practicum I	3
BT 422	Biotechnology Practicum II	3
BT 432	Biotechnology Practicum III	3
BT 442	Biotechnology Practicum IV	3
LS 430	Laboratory Standards and Practices	3
LS 416	Comprehensive Examination	0
Total Semester Credits		15

Summer Semester (OPTIONAL)

Biotechnology Skill Building Discussion Group

TOTAL:

Credits Required for Admission	70
Undergraduate Credits	55
Total Credits to Degree (minimum)	125