

SUNY SCHENECTADY
CURRICULUM WORKSHEET

PROGRAM: **BIOLOGICAL TECHNICIAN (A.A.S.)**

HEGIS # 5407

SCCC Program Code # 05

PROGRAM REQUIREMENTS	CR	SUNY GENERAL EDUCATION CATEGORY	SATISFIES LIBERAL ARTS AND SCIENCES
FYS 100 First Year Seminar	1		
ENG 123 College Composition	3	Communication: Written and Oral; Information Literacy; Critical Thinking and Reasoning	Yes
ENG 211 Technical and Professional Writing	3	Communication: Written and Oral	Yes
MAT 147 Statistics	3	Mathematics and Quantitative Reasoning; Critical Thinking and Reasoning	Yes
MAT 154 College Algebra and Trigonometry OR Higher	3-4	Mathematics and Quantitative Reasoning	Yes
CIS 221 Computer Applications	3		
CHM 121 General Chemistry I	4	Natural Sciences and Scientific Reasoning	Yes
CHM 140 Fundamentals of Biochemistry	4		Yes
BIO 141 Biology I	4	Natural Sciences and Scientific Reasoning	Yes
BIO 142 Biology II	4	Natural Sciences and Scientific Reasoning	Yes
BIO 149 Intro to Biotechnology	3		Yes
BIO 170 Tissue Culture	2		Yes
BIO 171 Recombinant DNA Techniques	2		Yes
BIO 172 General Toxicology	4		Yes
BIO 173 Principles of Immunology	3		Yes
BIO 174 Immunohistochemistry	2		Yes
BIO 241 Microbiology	4		Yes
BIO 261 Cell and Molecular Biology	4		Yes
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
Humanities Elective	3		Yes
Minimum Credit Hours	62		
		Total Gen. Ed Credits: 27-28	Total LAS Credits: 55-56
		Total # of Gen. Ed. Categories: 4	

**BIOLOGICAL TECHNICIAN
ASSOCIATE IN APPLIED SCIENCE**

FIRST YEAR

Fall Semester		CR	Spring Semester		CR
FYS 100	First Year Seminar	1	CHM 121	General Chemistry I	4
BIO 141	Biology I	4	BIO 142	Biology II	4
MAT 154	College Algebra and Trigonometry OR Higher	3-4	MAT 147	Statistics	3
ENG 123	English Composition	3	BIO 241	Microbiology	4
BIO 149	Intro to Biotechnology	3			15
CIS 221	Computer Applications	3			
		17-18			

SECOND YEAR

Fall Semester		CR	Spring Semester		CR
BIO 261	Cell and Molecular Biology	4	BIO 172	General Toxicology	4
BIO 171	Recombinant DNA Techniques	2	BIO 173	Principles of Immunology	3
BIO 170	Tissue Culture	2	BIO 174	Immunohistochemistry	2
ENG 211	Technical and Professional Writing	3	CHM 140	Fundamentals of Biochemistry	4
	Humanities Elective	3		Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3
		14			16

Minimum Credit Hours required for degree: 62