

SUNY SCHENECTADY

CURRICULUM WORKSHEET

PROGRAM: **BIOTECHNOLOGY, A.S.**

HEGIS # 5649

SCCC Program Code # 06

Program Entry Date:

Student Name:

Former College(s) Attended:

ID Number:

PROGRAM REQUIREMENTS	CR	Grade	GE Complete	SUNY GENERAL ED COMPLIANCE POSSIBILITIES REFER TO TABLE IN ADVISEMENT MANUAL FOR SPECIFIC COURSES
ENG 123 College Composition	3			Gen Ed Communication
ENG 124 Introduction to Literature	3			Gen Ed Humanities
BIO 141 Biology I	4			Gen Ed Natural Sciences
BIO 142 Biology II	4			Gen Ed Natural Sciences
BIO 241 Microbiology or BIO 262 Genetics	3-4			
BIO 261 Cell and Molecular Biology	4			
BIO 263 Biotechnology Techniques	3			
CHM 121 General Chemistry I	4			Gen Ed Natural Sciences
CHM 122 General Chemistry II	4			Gen Ed Natural Sciences
CHM 228 Organic Chemistry I	5			
CHM 229 Organic Chemistry II	5			
FYS 100 First Year Seminar	1			
MAT147 Statistics	3			Gen Ed Math
MAT 180 Calculus I	4			Gen Ed Math
Social Science Gen Ed Elective	3			Gen Ed Social Science
American History OR Foreign Language OR Arts Gen Ed Elective	3			Gen Ed American History OR Foreign Language OR Arts
Western Civilization OR Other World Civilizations General Ed Elective	3			Gen Ed Western Civilization or Other World Civ.
Liberal Arts Elective (a)	3-4			
Minimum Credit Hours	62			

Additional Comments: Please refer to the footnotes on the reverse side.

Reviewed _____

Date _____

BIOTECHNOLOGY
ASSOCIATE IN SCIENCE

FIRST YEAR

Fall Semester	CR	Spring Semester	CR
BIO 141 Biology I	4	BIO 142 Biology II	4
CHM 121 General Chemistry I	4	CHM 122 General Chemistry II	4
ENG 123 College Composition	3	ENG 124 Intro to Literature	3
FYS 100 First Year Seminar	1	Western Civ. OR Other World Civilization Gen Ed Elective	3
MAT 147 Statistics	<u>3</u>	Liberal Arts Elective (a)	<u>3-4</u>
	15		17-18

SECOND YEAR

Fall Semester	CR	Spring Semester	CR
BIO 261 Cell and Molecular Biology	4	BIO 241 Microbiology OR BIO 262 Genetics	3-4
CHM 228 Organic Chemistry I	5	CHM 229 Organic Chemistry II	5
MAT 180 Calculus I	4	BIO 263 Biotechnology Techniques	3
American History OR Arts OR Foreign Language Gen Ed	<u>3</u>	Social Science Gen Ed Elective	<u>3</u>
	<u>3</u>		14-15
	16		

Minimum Credit Hours required for degree: **62**

NOTES:

- (a) Depending upon mathematics background, students may take MAT 167 Precalculus with Analytic Geometry as a liberal arts elective as a prerequisite to Calculus I with no loss in course sequence or credits.