

**MOHAWK VALLEY COMMUNITY COLLEGE
LIBERAL ARTS & SCIENCES MATHEMATICS & SCIENCE - A.S. (BIOLOGY)**

TO

**STATE UNIVERSITY OF NEW YORK AT COBLESKILL
BIOTECHNOLOGY – B.S.**

	MVCC Course			Cobleskill Equivalent	
CF 100	College Foundations Seminar	1	FFCS 101	EL- Foundation for College Success	1
BI 141	General Biology 1	4*	BIOL 111/ X	MF(GE SC) - Biology I/ Lab	4
BI 142	General Biology 2	4	BIOL 112/ X	MF (GE SC) - Biology II/ Lab	4
CH 141	General Chemistry 1	4	CHEM 111/ X	MF(GE SC) - General Chemistry I/ Lab	4
CH 142	General Chemistry 2	4	CHEM 112/ X	MF (GE SC) - General Chemistry II/ Lab	4
CH 247	Organic Chemistry 1	5	CHEM 231/ X	MF (GE SC) - Organic Chemistry I/ Lab	5
CH 248	Organic Chemistry 2	5	CHEM 232/ X	EL(GE SC) - Organic Chemistry II/ Lab	5
EN101	English 1: Composition	3*	ENGL 101	LAS (GE CM) – Composition I	3
EN 102	English 2: Ideas & Values Literature	3*	ENGL 121	LAS(GE HU) – Intro. to Literature	3
MA 150	Precalculus	4*	MATH 131	LAS (GE MA) - Pre-Calculus	4
MA 151	Calculus I	4	MATH 231	LAS (GE MA) - Calculus I	4
MA 152	Calculus II	4	MATH 232	EL-- Calculus II	4
BI 201	Natural Science Elective: Microbiology	4	BIOL 219/ X	MF- Microbiology/Lab	4
HI 101	History of Civilization I	3*	HIST 103	LAS (GE WO) - History of World Civ. I	3
HI 111 or HI 112	History Elective- American History 1494-1850 OR 1850-PRESENT	3*	HIST 121 or HIST 122	LAS(GE AH) – History of the US I OR History of the United States II	3
PY 101	Social Sci. Elective: Gen. Psychology	3*	PSYC 111	LAS (GE SS)- General Psychology	3
AN 101 or SO 101	Social Sci. Elective: Biological Anthropology or Intro. to Sociology	3	ANTH 114 or SOSC 111	LAS(GE SS) - Physical Anthropology or Introduction to Sociology	3
PE	Physical Education Elective	2	<i>Equivalent Course</i>	EL- Physical Education	2

Credits from the courses above, in the Liberal Arts & Science Mathematics & Science A.S. - Biology Option program, will transfer to the BS degree in Biotechnology in the following categories:

Major Field Requirements	25
Major Technical Electives	0
Liberal Arts & Sciences Requirements.....	26
General Electives	12
TOTAL CREDITS TRANSFERRED	63

SUNY General Education: 30 credits have been satisfied in 7 different categories.*

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*63 credits will be transferred to the 120 credit requirement in the Bachelor of Science in Biotechnology.
57 credits of the following coursework will need to be satisfied to meet degree requirements.*

Major Field Requirements – 24 credits including:

BIOL 364/364X	Biotechnology	4
BIOL 375/375X	Cell Biology	4
BIOL 405	Theory/Methods in Biotech	4
BIOL 410	Molecular Genetics	3
BIOL 480	Internship in Biotech or 6 credits of the following: BIOL 305, BIOL 320, BIOL 390, BIOL 420, BIOL 425, BIOL/CHEM 395, ENVR 350	6
CHEM 351	Biochemistry	3

Major Technical Electives – 9 credits chosen from the following: 9

AGRN 312, AGRN 350, AGRN 362, AGSC 186, AGSC 227, AGSC 281, ANSC 209,
ANSC 330, ANSC 430, BIOL 116, BIOL 117, BIOL 258, BIOL 259, BIOL 305/PHIL 305,
BIOL 320, BIOL 390, BIOL/CHEM 395, BIOL 420, BIOL 425, CHEM 244, CHEM 316,
FWLD 115, MATH 225, ORHT 251, ORHT 281, ORHT 329, and ORHT 356

Liberal Arts & Sciences – 4 credits including:

Additional Liberal Arts & Sciences 4

General Electives – 20 credits 20

30 credits of SUNY Gen. Eds. are required in seven different categories.

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