

 **Biochemistry-Siena College & HVCC Curriculum Guideline**

HVCC Core requirements-A.S. Biotechnology

Siena College Course Equivalency

BIOL 103 Orientation to Biology and Bioethics	BIOL 010, 1 credit
BIOL 150/190 Biology I	BIOL 110 General Bio I
BIOL 151/191 Biology II	BIOL 111 General Bio II
BIOL 275 Cell Biology	BIOL 220 Cell Biology
BIOL 285 Molecular Laboratory Techniques	Biology Elective
CHEM 110 General Chemistry I	CHEM 110 General Chemistry I
CHEM 111 General Chemistry II	CHEM 120 General Chemistry II
ENGL 101 English Composition I	WRTG 100, Introduction to Writing, Liberal Arts elective
ENGL 104 English Composition II, Writing about Literature	ENGL 101 Core English

Restricted Electives-9 credits, choices & recommendations are below

Foreign Language courses, PHIL 100, PHIL 110, ENGL 200, ENGL 202, ENGL 203, ENGL 204, ENGL 205, ENGL 206, ENGL 210, ENGL 216, ENGL 218, ENGL 220, ENGL 222, ENGL 230, ENGL 232, ENGL 234, ENGL 235, ENGL 236, HIST 100, 101, 110, 111, HIST 120 or 121, SUNY Gen Ed Social Science courses, choose one art course- ARTS 100, 101, 104, 202, 273, MUSC 100, 110, 101, 105, 106, 110, THEA 100	Foreign language courses-General Elective credit PHIL 100=PHIL 101 Philosophy & the Human Being, Core requirement PHIL 110=Religious Core requirement ARTS/MUSC/THEA course=Creative Arts Core requirement (MUSC 110=Franciscan Concern Diversity credit as well) All ENGL will transfer in for Franciscan Concern, First Year Seminar credit, or General elective credit HIST 100, 101, 110 or 111=History Core HIST 120 or 121=Franciscan Concern, First Year Seminar credit, or General elective credit Social science courses will transfer in as First Year seminar credit or General elective
--	--

Math Electives-8 credits, recommendation below

HVCC Course

Siena College Course Equivalency

MATH 150 College Algebra & Trigonometry	MATH 010 Finite Math, Liberal Arts/Science Elective
MATH 160 Precalculus	MATH 050 Preparation for Calc, Arts elective
MATH 180 Calculus I	MATH 110 Calculus I (recommended)
MATH 190 Calculus II	MATH 120 Calculus II (recommended)

Math Electives Or Science elective-4 credits recommendations are below

HVCC Course

Siena College Course Equivalency

MATH 180 Calculus I	MATH 110 Calculus I
MATH 190 Calculus II	MATH 120 Calculus II
CHEM 210 Organic Chemistry I	CHEM 210 Organic Chemistry I
CHEM 211 Organic Chemistry II	CHEM 220 Organic Chemistry II
CHEM 205 Analytical Chemistry	CHEM 225 Analytical Chemistry I
BIOL 281 Genetics	BIOL 260 Genetics
BIOL 210 Ecology	ENVA 250 Ecology

Science electives- 11 credits, see science recommendations above

This outline should be used for those transferring from HVCC into the Siena College Biochemistry major.

Points to keep in mind:

- Grades of C or better will transfer.
- Any 300-level course must be taken at Siena or another four-year AACSB accredited institution.
- Half of your major must be completed at Siena College.
- Students transferring with 24 or more credits are not required to complete Siena's First Year Seminar (6 credits), however, check with Siena admissions for acceptable substitutions.
- Students are required to complete four Franciscan Concern courses in the areas of diversity, heritage, nature, and social justice. These courses can be taken at HVCC and transfer into Siena. For a complete list of additional acceptable substitutions, see www.siena.edu/transfer under the HVCC Curriculum Guideline section, Franciscan Concern substitutions
- Substitutions for courses may be made by the Siena College Assistant Deans where they deem appropriate.

Siena College reserves the right to review the final evaluation of transfer credits. Please contact the Office of Admissions at 1-888-AT-SIENA with any questions or to make an appointment for a tentative credit evaluation and/or course advisement.