

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

HVCC Core requirements-A.S. Biological Science

Siena College Course Equivalency

BIOL 103 Orientation to Biology and Bioethics	BIOL 010, 1 credit
BIOL 190 Biology I	BIOL 110 General Bio I
BIOL 191 Biology II	BIOL 111 General Bio II
CHEM 110 General Chemistry I	CHEM 110 General Chemistry I
CHEM 111 General Chemistry II	CHEM 120 General Chemistry II
CHEM 210 Organic Chemistry I	CHEM 210 Organic Chemistry I
CHEM 211 Organic Chemistry II	CHEM 220 Organic Chemistry II
ENGL 101 English Composition I	Liberal Arts Elective
ENGL 104 English Composition II	Core English-ENGL 101 Literary Perspectives
MATH 160 Precalculus	Liberal Arts/Science elective
MATH 180 Calculus I	MATH 110 Calculus I
MATH 190 Calculus II	MATH 120 Calculus II
PHYS 140 General Physics I or PHYS 150 Physics I	PHYS 110 Gen Physics IA or PHYS 130 Gen Physics I
PHYS 141 General Physics II or PHYS 151 Physics II	PHYS 120 Gen Physics IIA or PHYS 140 Gen Physics II

Biology Science Electives-8 credits, choices & recommendations are below

HVCC Course

Siena College Course Equivalency

CHEM 205 Analytical Chemistry	CHEM 225 Analytical Chemistry I
BIOL 275 Cell Biology	BIOL 220 Cell Biology
BIOL 281 Genetics	BIOL 260 Genetics
BIOL 210 Ecology	ENVA 250 Ecology
BIOL 270 Anatomy & Physiology I	Arts/Science elective SCDV 210 Human Anat & Phys I
BIOL 271 Anatomy & Physiology II	Arts/Science elective SCDV 211 Human Anat & Phys II
BIOL 285 Molecular Laboratory Techniques	Biology Elective

Restricted Electives-9 credits, choices & recommendations are below

Fine Arts Elective-recommend to choose 1 from the following list: ARTS 100, 101, 104, 202, 273, MUSC 100, 110, 101, 105, 106, 110, THEA 100	Creative Arts Core
HIST 100, 101, 110, 111, or HIST 135	All would equal Core History requirement
PHIL 100 Intro to Philosophy	PHIL 101 Philosophy & the Human Being, Core requirement
PHIL 110 Comparative Religion I	Religious Core requirement
Social Science Electives- PSYC 100, SOCL 100, SOCL 115, 120, 130, POLS 100, 102, 110, ECON 100, ECON 101	Credit will be awarded for Social Science core credit, one of two First Year seminar courses, liberal arts/science elective, or possible Franciscan Concern credit
English Electives-choose from ENGL 136, 204, 210, 212, 222, 230, 232, 234, 235, 236	First year seminar credit, liberal arts elective or possible Franciscan Concern credit

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

Points to keep in mind:

- Grades of C or better will transfer.
- Any 300-level course must be taken at Siena or at another four-year 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.