

 **Computer Science-Siena College & HVCC Curriculum Guideline**

**HVCC Core requirements-A.S. Computer Information**

**Systems**

**Siena College Course Equivalency**

CISS 100 Intro to Computing & Information Sciences	Liberal arts/Science elective
CISS 110 Programming and Logic I	CSIS 120 Introduction to Programming
CISS 111 Programming and Logic II-Data Structure	CSIS 210 Data Structures
CISS 210 Info Systems Analysis and Design	CSIS 110 Introduction to Computer Science
ENGL 101 English Composition	WRTG 100, Liberal arts elective

**Restricted Computer Information Systems Electives-6 credits** choices & recommendations are below

**HVCC Course**

**Siena College Course Equivalency**

CISS 220 Webpage Development & Design	CSIS 200 Computer Science Elective
CISS 280 Assembly Language & Computer Architecture	CSIS 220 Assembly Language and Computer Architecture
MATH 183 Discrete Structures	MATH 250 Discrete Structures (recommended, CS Major requirement)

**Restricted English elective- 3 credits**

ENGL 104 English Composition II Writing about Literature	ENGL 101 English Core requirement
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**Restricted History elective- 3 credits**

HIST 100, HIST 101, HIST 110, HIST 111, HIST 120 or 121	HIST 100, 101, 110 or 111=History Core HIST 120/121=Franciscan Concern Heritage credit, First Year Seminar credit or General elective
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**Restricted Social Science elective- 3 credits**

SUNY Gen Ed Social Science	Social Science Core
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**Math Electives-8 credits, choices & recommendations are 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 183 Discrete Mathematics	MATH 250 Discrete Structures (recommended)

**Liberal Arts and Science/Gen Ed Electives-6 credits, recommendations are below**

**HVCC Course**

**Siena College Course Equivalency**

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 135 20 <sup>th</sup> Century History	HIST 101 Shaping of the Contemporary World, Core History requirement choice (other choices for History listed above)
PHIL 100 Intro to Philosophy	PHIL 101 Philosophy & the Human Being, Core

	requirement
PHIL 110 Comparative Religion I	Religious Core requirement
HIST 100, HIST 101, HIST 110, HIST 111, HIST 120 or 121, 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, Any SUNY Gen Ed Social Science requirement	HIST 100, 101, 110 or 111=History Core HIST 120/121=Franciscan Concern Heritage credit, First Year Seminar credit or General elective ENGL courses=Franciscan Concern, First Year seminar or General elective Gen Ed Social Science=Core Social Science

**Math/Science electives**-6-8 credits, choices & recommendations are 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 183 Discrete Mathematics	MATH 250 Discrete Structures (recommended)

**Restricted electives**- 9 credits

CISS 220 Webpage Development & Design	CSIS 200 Computer Science Elective
CISS 280 Assembly Language & Computer Architecture	CSIS 220 Assembly Language and Computer Architecture
All other CS classes	Elective credit

**Humanities elective**-3 credits-see choices in Liberal Arts and Sciences

**Natural Science elective**-4 credits-Natural Science Core-choose one from BIOL 125, BIOL 126, BIOL 150, CHEM 110, 111, 120, 121, PHYS 150, 151

This outline should be used for those transferring from HVCC into the Siena College Computer Science 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](http://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.

Approved through 9/1/19