



Associate of Science: Natural Sciences

64 Credits

NAME _____ STUDENT ID # _____

General Education Requirements (46 credit hours)	Credits	Courses taken	Semester	Grades
English (6)				
ENG 111: English Composition I	3			
ENG 112: English Composition II	3			
Mathematical and Quantitative Studies (9)				
MAT 201: Pre-calculus or higher	3			
MAT 203: Trigonometry or higher	3			
COM 101: Intro. to Computers	3			
Social/Behavioral Sciences (9)				
Choose two: PSY 101,102 or CJA 101, or SOC 101	3			
	3			
Choose one: HIS 102, 103, 201, OR PLS 201, 203	3			
Natural Science and Health (10)				
Choose any sequence: BIO 103 and 104, or CHE 102 and 103, or PHY 201 and 202	4			
	4			
PED 201: Personal Health	2			
Humanities/Fine Arts (12)				
REL elective (REL 100, 101, or 102)	3			
ART or MUS Appreciation (ART 101 or MUS 201)	3			
Literature elective (ENG 202, 203, or 206)	3			
CSE 101: Freshman Seminar (Not required for transfer students, who may substitute an advisor-approved General Education course.)	3			
Major Requirements (18 credit hours)	Credits	Courses taken	Semester	Grades
Sequence of Two Courses in Second Science Discipline (8)				
BIO 103 and 104 OR CHE 102 and 103 OR PHY 201 and 202	4			
	4			
Choice of any two 200-level science courses (8)				
BIO 201: Botany BIO 202: Zoology BIO 203: Genetics BIO 204: Environmental Biology I BIO 205: Environmental Biology II	4			

BIO 210: Human Anatomy and Physiology I BIO 211: Human Anatomy and Physiology II CHE 201: Environmental Chemistry I CHE 202: Environmental Chemistry II PHY 201: General Physics I PHY 202: General Physics II	4			
CAPSTONE (2) SCI 205 Interdisciplinary Science Research Project	2			

Revised 7/18

Program Mission

The mission of the Associate of Science program is to provide a strong foundation in the sciences and in mathematics for students wishing to transfer to a bachelor's degree program in a science, technology, engineering, or mathematics field of study (STEM).

Student Learning Outcomes (SLO's)

The intended student learning outcomes for General Education and for the major in Natural Science are aligned with Clinton College's mission to promote academic achievement, positive moral and spiritual development, leadership qualities, and citizens who can contribute to a global society.

General Education Outcomes

Gen. Ed. SLO #1: Students will demonstrate knowledge of human cultures and the physical and natural world. *(Academic achievement – conceptual knowledge)*

Gen. Ed. SLO #2: Students will demonstrate intellectual and practical skills in inquiry and analysis, critical and creative thinking, written and oral communication, quantitative literacy, information literacy, teamwork and problem solving. *(Academic achievement – applied skills, inquiry tools and practices)*

Gen. Ed. SLO #3: Students will demonstrate personal and social responsibility, including civic knowledge and engagement – local and global, intercultural knowledge and competence, ethical reasoning and action, foundations and skills for lifelong learning. *(Moral and spiritual development, leadership, citizenship)*

Gen. Ed. SLO #4: Students will demonstrate integrative and applied learning, including synthesis and advanced accomplishment across general and specialized studies. *(Academic achievement – conceptual knowledge and applied skills)*

Program Learning Outcomes.

Program SLO #1: Demonstrate knowledge of major concepts, theoretical principles, and research/experimental findings in science. *(Academic achievement - conceptual knowledge)*

Program SLO #2: Students will demonstrate the skills necessary to correctly design, safely implement, and accurately record, analyze, and present the results of laboratory experiments. *(Academic achievement – applied skills)*

Program SLO #3: Students will demonstrate the skills and dispositions necessary to investigate a problem through the lenses of two scientific disciplines, using ethical reasoning, analytical reasoning, and quantitative skills. *(Academic achievement – applied skills, inquiry tools and practices, Moral and spiritual development, Leadership, Citizenship)*

Program SLO #4: Students will apply scientific knowledge from two disciplines to propose a solution for a problem they have investigated, using ethical reasoning, analytical reasoning, and quantitative skills.
(Academic achievement – knowledge, applied skills, inquiry tools and practices, Moral and spiritual development, Leadership, Citizenship)

Comments _____

ADVISOR APPROVAL _____ DATE _____

STUDENT SIGNATURE _____ DATE _____

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