



ASSOCIATE IN SCIENCE
Environmental Science

curriculum code: 2061 | HEGIS code: 5604
 minimum credit hours required: 60

This degree program provides critical foundations for well-trained environmental scientists and citizen scientists to address the urgent and growing environmental challenges of the 21st century and beyond. Students are prepared to comprehend and critically evaluate contemporary environmental problems at the intersection of nature, human institutions, and scientific study. The program also provides the interdisciplinary explorations and scientific tools and technologies essential for addressing the emerging environmental challenges and opportunities of today's world. Students are engaged in exploring the ethical dimensions of decisions and actions associated with being responsible local and global citizens, and an understanding that a more sustainable world will nurture healthier ecosystems, vibrant human communities, and stronger economies. Students are also prepared for transfer into numerous four-year college and university baccalaureate programs such as environmental science, environmental biology, natural resource management, conservation science, forest ecosystem science, fisheries and wildlife biology, natural history, ecology, ethnobotany, soil science, sustainable agriculture, and related fields. This degree program meets the academic and professional needs of students seeking careers related to environmental science and other disciplines related to the environmental health of the planet.

REQUIRED COURSES	CR	JCC	SUNY	LAS
INT 1555: Inquire	2	Inquiry- Critical & Integrative Reasoning		X
ENG 1510: English Composition I	3	College Composition	HUMN	H
ENG 1530: English Composition II	3	College Comp & Oral Communication	COMW & COMO	H
MAT 1600: Precalculus (or higher)	4	SUNY Mathematics & Quantitative Reasoning	MATH	N
CHE 1550: General Chemistry I	4	SUNY Natural Science & Scientific Reasoning	NSCI	N
ECO 1530: Contemporary Economic Problems or ECO 2610: Macroeconomic Principles or ECO 2620: Microeconomic Principles	3	SUNY Social Science	SOSC	S
BIO 2550: Conservation Biology	3	Global Perspectives	NSCI	N
BIO 1552: Introduction to Environmental Science - LAB	1	Applied Learning	NSCI	N
BIO 1551: Introduction to Environmental Science	3		NSCI	N
BIO 1570: Principles of Cell & Molecular Biology	4		NSCI	N
BIO 1580: Principles of Ecology & Evolution	4		NSCI	N
CHE 1560: General Chemistry II	4		NSCI	N
Program Core Electives choose from: BIO 1830, BIO 2013*, BIO 2023*, BIO 2531, BIO 2532, BIO 2560, BIO/PHL 2570, BIO 2600, BIO 2650, BIO 2660, BIO 2620, BIO 2670, BIO 2830, CHE 2530, CHE 2540, GLG 1810, GLG 1510, GLG 1550, MAT 1540, MAT 1710, PHY I (1610 or 1710), PHY II (1620 or 2710)	12			
Open Electives up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	10	Cultural Understanding & Diversity	(2 categories, to include DIVE)	
TOTAL CREDITS: 60			36	38

IMPORTANT POINT:

* Internships do not count towards the required number of Liberal Arts and Sciences credits.