

ASSOCIATE IN APPLIED SCIENCE
**ENVIRONMENTAL
TECHNOLOGIES**

(60 hrs. min.)

CIP: 03.0101

This degree provides students with an in-depth understanding of issues regarding: sustainability, renewable energy and water conservation. Through their chosen concentration, students will acquire skills needed to seek entry-level positions in a wide range of energy- and water-related businesses, public agencies and/or consider starting their own business.

GENERAL EDUCATION REQUIREMENTS: (28 HRS. MIN.)

Communications (9 hrs.)

ENGL 111 Composition and Rhetoric (3)

ENGL 119 Professional Communication (3)

[or]

ENGL 216 Technical Writing (3)

SPCH 111 Public Speaking (3)

[or]

SPCH 225 Small Group Communications (3)

Humanities (3 hrs.)

PHIL 258 Environmental Ethics and Sustainability (3)

Behavioral/Social Sciences (3 hrs.)

BSAD 235 Human Relations in the Workplace (3)

Math (3 hrs.)

Science (8 hrs.)

PHYS 111 Introduction to Physics (3)

PHYS 111L Introduction to Physics Lab (1)

BIOL 114 Environmental Science (3)

BIOL 114L Environmental Science Lab (1)

Health, Physical Education and Recreation (2 hrs. min.)

CORE REQUIREMENTS (22 HRS. MIN.)

ENGR 121 Engineering Graphics (3)

ENVR 111 Art and Science of Sustainable Design (3)

ENVR 113L Instrumentation and Control Labs (3)

ENVR 114 Electrical and Mechanical Fundamentals (4)

ENVR 115 Introduction to Water Conservation Technologies (3)

BSAD 119 Planning the Entrepreneurial Venture/Intro (3)

ENVR 299 Cooperative Education (3)

SOLAR ENERGY CONCENTRATION (10 HRS.)

- ENVR 221 Design and Installation of Photovoltaic Systems I (3)
- ENVR 222 Design and Installation of Photovoltaic Systems II (3)
- ENVR 225 Design and Installation of Solar Hot Water Systems (3)
- ENVR 227 National Electrical Code (1)

WATER CONSERVATION TECHNOLOGIES CONCENTRATION (10 HRS.)

- ENVR 215 Active Water Harvesting and Distribution Systems (3)
- ENVR 216 Water Shed Management (3)
- ENVR 217 Water System Auditing and Evaluation (3)
- ENVR 217L Water System Auditing and Evaluation Lab (1)

Note: See “College Success Course Requirement” on Page 8.

TOTAL 60 CREDITS MIN.