

ASSOCIATE IN APPLIED SCIENCE

ENVIRONMENTAL TECHNOLOGIES

(63 hrs. min.)

CIP: 04.0902

Sustainable Technologies Center, (505) 428-1641

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.

NOTE: A.A.S. degrees are designed to prepare students for entry-level positions in specific occupations; they are not generally intended to transfer to four-year institutions. For more information on transfer, please refer to Page 34 of this catalog, or speak with an academic adviser.

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)

Math (3 hrs.)

- MATH 115 Technical Mathematics (3) or higher

Science (8 hrs.)

- PHYS 111 Introduction to Physics (3)
PHYS 111L Introduction to Physics Lab (1)
Science elective (4)

Social/Behavioral Sciences (3 hrs.)

- BSAD 235 Human Relations in the Workplace (3)

Humanities and Fine Arts (3 hrs.)

- PHIL 258 Environmental Ethics and Sustainability (3)

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

CORE REQUIREMENTS: (25 HRS. MIN.)

- BSAD 119 Entrepreneurial – Planning and Introduction (3)
DRFT 111 Technical Drawing with CAD (3)
ENVR 111 Introduction to Sustainability (3)
ENVR 112 Introduction to Sustainable Energy Technologies (3)
ENVR 113 Instrumentation and Control Labs (3)
ENVR 114 Electrical and Mechanical Fundamentals (4)
ENVR 115 Introduction to Water Conservation Technologies (3)
ENVR 299 Cooperative Education (3)

SOLAR ENERGY CONCENTRATION: (10 HRS.)

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- 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 10.

TOTAL 60 CREDITS MIN.