

PROGRAMS OF STUDY

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Agriculture, Food and Natural Resources

PROGRAMS OF STUDY

AGRICULTURE, FOOD AND NATURAL RESOURCES

ENVIRONMENTAL TECHNOLOGY 160

Associate in Applied Science degree (A.A.S.)

68 Credit Hours (CH)

The study of Environmental Technology prepares students for work in a wide variety of environmental fields. The courses are designed to prepare students with the skills and knowledge needed to participate in environmental careers including environmental compliance in public and private sector organizations, pollution prevention, environmental remediation, workplace health and safety, and emergency response preparedness. Students will study the various methods used for pollution prevention and the regulations that apply in various types of facilities. Students will learn to develop procedures for proper hazardous materials handling techniques and design training programs used to implement existing and future regulatory requirements to ensure compliance. This program prepares students to work in the health and safety field in such positions as a compliance officer, environmental safety specialist, laboratory technician, hazardous materials emergency response technician, and environmental coordinator.

General Education

19 CH

English (035)

101 Composition

3

Speech (095)

101 Fundamentals of Speech Communication

3

Chemistry (073)

121 Basic Chemistry I

4

CIS (032)

120 Introduction to Microcomputers

3

Arts/Humanities and Social Behavioral Sciences

6

(Students should meet with a college Academic Advisor for selection of one course each in these two disciplines.)

See page 51 for A.A.S. general education degree requirements.

Required Program Core

41 CH

Biology (023)

119 Environmental Biology

4

226 Human Structure and Function I

4

English (035)

102 Composition OR

3

107 Report Writing

Environmental Technology (027)

121 Introduction to Hazardous Materials Management

3

131 Environmental Health and Safety

3

141 Site Investigation and Sampling

3

151 Intro to Environmental Laws and Policies

3

175 Hazardous Materials Handling and Transportation

3

211 Recycling and Waste Minimization

3

241 Environmental Sampling

4

243 Environmental Analysis

4

Mathematics (045)

Any college level Math class

4

ELECTIVES

8 CH

Environmental Technology Electives

TOTAL PROGRAM MINIMUM CREDIT HOURS

68 CH

ENVIRONMENTAL TECHNOLOGY 161

Basic Certificate (B.C.) 18 Credit Hours (CH)

Required Program Core

18 CH

Environmental Technology (027)

121 Introduction to Hazardous Materials Management

3

131 Environmental Health and Safety

3

ELECTIVES

Students should meet with a college Academic Advisor for selection of elective courses.

100 level Environmental Technology electives

6

200 level Environmental Technology electives

6

TOTAL PROGRAM MINIMUM CREDIT HOURS

18 CH

PROGRAMS OF STUDY

AGRICULTURE, FOOD AND NATURAL RESOURCES

HORTICULTURE 241

*Associate in Applied Science degree (A.A.S.)
63 Credit Hours (CH)*

This A.A.S. degree program is designed to prepare students for career opportunities in interior and exterior landscape design, construction and maintenance, and in the horticulture components of the industry.

General Education	17 CH
Botany (025)	
201 General Botany I	4
English (035)	
101 Composition	3
Mathematics (045)	
118 General Education Mathematics	4
Sociology (089)	
210 Diverse Cultures in a Global Age	3
Humanities/Fine Arts	3

See page 51 for A.A.S. general education degree requirements.

Required Program Core	46 CH
Horticulture (096)	
101 Introduction to Ornamental Horticulture	3
102 Turf grass Management	3
103 Landscape Pest Management	3
104 Plant Propagation	4
105 Identification of Herbaceous Landscape Plants	4
106 Identification of Woody Landscape Plants I	3
107 Soils and Fertilizers	3
201 Supervised Horticulture Experience	5
202 Landscape Design I	4
203 Landscape Design II	4
204 Landscape Installation	3
205 Arboriculture	3
206 Identification of Woody Landscape Plants II	4
TOTAL PROGRAM MINIMUM CREDIT HOURS	63 CH

HORTICULTURE 320

Basic Certificate (B.C.) 18 Credit Hours (CH)

Required Program Core	18 CH
Horticulture (096)	
101 Introduction to Ornamental Horticulture	3
105 Identification of Herbaceous Landscape Plants	4
106 Identification of Woody Landscape Plants I	3
202 Landscape Design I	4
203 Landscape Design II	4
TOTAL PROGRAM MINIMUM CREDIT HOURS	18 CH