

CURRICULUM STANDARD

Effective Term
Fall 1997
[2009*03]

Curriculum Program Title

Low Impact Development

Code

Concentration

(not applicable)

DRAFT

Curriculum Description

The Low Impact Development curriculum is designed to prepare students interested in sustainable development and natural resource management with the technical skills to serve as specialists in the analysis of land and in the preparation of LID recommendations. Graduates will be prepared for a growing number of careers in the public and private sector that require an understanding of environmental biology, geospatial technology, drafting, and the principles and practices of LID. The POS requires a multidisciplinary core of coursework including the study of land planning software programs, soils, site analysis, hydrology, geospatial technology, and environmental regulations. Students wishing to pursue the LID POS should have an interest in the outdoors, technology, planning, natural resource conservation, and in working with the public and professionals from many fields.

Curriculum Requirements*

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. (*See second page for additional information.*)
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (*if applicable*). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Agribusiness Technology A15100

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE <i>Courses required for the diploma are designated with*</i> Required Courses: * LAR 120 Sustainable Development 3 SHC * LID 111 Design Principles of LID 3 SHC * LID 112 Practical Applications of LID 3 SHC * LID 113 Remediation of Impacted Sites 3 SHC * LID 114 Design for Sustainable Development 3 SHC Required Subject Areas: Drafting and Design. Select three. DFT 151 CAD 1 3 SHC DFT 152 CAD 2 3 SHC HOR 112 Landscape Design 1 3 SHC LAR 111 Intro to Landscape Arc Tech 3 SHC LAR 114 CAD for Land Development 3 SHC LAR 221 Landscape CAD 3 SHC Geographic Information Systems. Select three. Must include Either GIS 111 or FOR 215. GIS 111 Introduction to GIS 3 SHC FOR 215 Introduction to GIS/GPS 3 SHC GIS 112 Introduction to GPS 3 SHC GIS 121 Georeferencing and Mapping 3 SHC GIS 231 Geo Pos Sys Methods 3 SHC GIS 245 Intro to Spatial Analysis 3 SHC GIS 246 Principles of Property Mapping 3 SHC Plant Materials. Select two. FOR 121 Dendrology 4 SHC HOR 160 Plant Materials 1 3 SHC HOR 260 Plant Materials 2 3 SHC LAR 230 Prin of Exterior Planting 3 SHC LAR 231 Prin of Interior Planting 3 SHC Soil Science. Select two. FOR 173 Soils and Hydrology 3 SHC CST 231 Soils and Site Work 4 SHC HOR 166 Soils and Fertilizers 3 SHC	45-47 SHC	15 SHC	
B. CONCENTRATION (<i>Not applicable</i>)			

<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i></p> <p>BIO, CIS, CST, ENV, FOR, GIS, HOR, and LAR</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>			
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