

CAREER STUDIES CERTIFICATE (221-895-82)

Architectural/Civil Engineering Aide

Purpose: This program is designed to prepare students for entry-level positions in architectural and civil engineering technology or to expand the knowledge and skills of individuals presently employed in these fields. All of the courses offered through this program may be applied towards the AAS degree in Architectural/Civil Technology.

Occupational Objectives: Architectural or civil engineering technology aide.

Admission Requirements: Applicants must meet the general admission requirements for admission to the college.

Developmental courses are required for students with deficiencies in English and mathematics.

Students who do not place above Algebra I (MTH 03) and into Algebra II (MTH 04) or higher on the placement test will be required to take developmental courses.

Program Requirement: Computer literacy is a requirement for admission.

CURRICULUM AND OTHER REQUIREMENTS CREDITS**ARCHITECTURAL/CIVIL ENGINEERING AND RELATED COURSES**

ARC 133	.....Construction Methodology and Procedures I	3
ARC 221*	.....Architectural CAD Applications Software I	3
CIV 135	.....Construction Management and Estimating	3
CIV 171*	.....Surveying I	3
DRF 201-202*	.....Computer Aided Drafting and Design I-II	6
DRF 238*	.....Computer Aided Modeling and Rendering	3
MTH 115*	.....Technical Mathematics I	3
Total Minimum Credits for Certificate		24

**This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

SUGGESTED SCHEDULE**FIRST YEAR****FALL**

DRF 201

MTH 115

SPRING

ARC 133

DRF 202

DRF 238

SECOND YEAR**FALL**

ARC 221

SPRING

CIV 135

CIV 171