



Civil Engineering Technology-Surveying Associate of Applied Science (A.A.S.)

2018–2019

DESCRIPTION:

The Civil Engineering Technology-Surveying A.A.S. degree provides a basis for entry-level careers in all phases of the construction continuum: planning, design, construction, and operations. The Associate of Applied Science is designed as a terminal degree providing those skills necessary for immediate employment. In addition to providing entry-level positions, the degree provides opportunities for individuals seeking career changes, continuing education, and skills enhancement. The Civil Engineering Technology degree is preparation for immediate, productive employment. For more information, see csc.edu/civl.

ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students may start any semester.

ONGOING REQUIREMENTS:

Students must maintain minimum overall GPA required by the College.

OPPORTUNITIES FOR GRADUATES:

Career:

Program graduates are prepared to work for either private or governmental segments of the construction industry requiring civil engineering technicians. Specific employment positions include manual or computer assisted (CAD) construction drawing and contract document preparation for commercial, heavy and industrial/institutional projects, construction inspection, survey crew operations, and construction material quality control and quality assurance.

Transfer:

Graduates with the Surveying A.A.S. Degree may enroll in the Bridge to Fundamentals Surveying Certificate program. When completed with the B.S. in Management and Leadership or B.S. in Applied Management at Franklin University (3+1), the student has the requirements needed for the first step for Professional Surveyors License. The Certificate is part of the State Board of Registration for Professional Engineers and Surveyors approved program that meets the educational requirements.

DEGREE REQUIREMENTS (CIVIL ENGINEERING TECHNOLOGY-SURVEYING A.A.S.):**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CIVL1120 Construction Material Science*	AU/SP/SU	3	
CIVL 1121 Highway Plan Reading	AU/SU	1	
SURV 1410 Intro to Surveying	AU/SU	3	
ARCH 1120 ARCH CAD I	AU/SP/SU	1	
CMGT 1121 Construction Drawings	AU/SP/SU	3	
COLS 1100 1st Year Experience	AU/SP/SU	1	
MATH 1148 College Algebra	AU/SP/SU	4	
Semester Credits		16	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CIVL 1230 Heavy Construction Estimating	SP	3	
CMGT 1105 Construction Documents	AU/SP/SU	3	
ENGL 1100 Composition I	AU/SP/SU	3	
ESSH 1650 OSHA 30hr General Industry (safety course that is accredited and recognized industry wide)	AU/SP/SU	2	
SURV 1460 PC Apps in Construction Science	AU/SP	2	
Natural Science elective (select from list)	AU/SP/SU	3	
Semester Credits		16	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
GIS 1102 Mapping for Everyone	AU/SP/SU	2	
MATH 1149 Trigonometry	AU/SP/SU	4	
Semester Credits		6	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
SURV 1420 Historical Surveying	AU/SU	2	
SURV 2410 Engineering Surveying	AU/SU	4	
SURV 2480 Geodetic Surveying	SU	4	
Humanities elective	AU/SP/SU	3	
Semester Credits		13	

FIFTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CIVL 2430 Roadway Location & Design	SP	3	
SURV 2450 Legal Principles in Surveying	SP	3	
SURV 2490 Land Development Systems	SP	3	
Technical elective (select from list)	AU/SP/SU	2	
PSY 1100 Intro to Psychology or SOC 1101 Intro to Sociology	AU/SP/SU	3	
Semester Credits		14	
Total		65	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
Requirements subject to change.