Certificate

SURVEYING

Students completing this certificate will gain the necessary skills to use computers, drafting and design software, measuring devise, and mapping systems to conduct research; collect data; to make decisions; and to create graphic presentations such as land plans, surface creation, topographic maps, etc. By combining hands-on training with the latest technology in surveying equipment (Robotic Total Stations), AutoCAD (computer aided design), and Civil 3D, students will learn to read maps and plats, collect field data, conduct property research, and produce CAD documents. A working knowledge of applicable state and federal laws will also be provided. All courses with a grade of "C" or better apply towards the Associate in Applied Science in Civil Engineering Technology degree.

Required Courses

Surveying Requirements

CERTIFICATE REQUIREMENTS: SURVEYING

Component	Course Title	Semester Credit Hours
EGR 275	Introduction to Engineering/Computer Graphics	3
EGR 282	Introduction to Civil Engineering	2
EGR 285	Engineering Surveying I	3
EGR 286	Engineering Surveying II	3
EGR 295	Engineering Surveying Lab I	1
EGR 296	Engineering Surveying Lab II	1
MAT 175	Algebra and Trigonometry*	3
and		
Select one of the courses listed below:		
CET 127	Building Construction Print Reading	4
EGR 270	Intro to Engineering	3
	CREDITS	**19**
	TOTAL CREDIT HOURS	**19**

*Students intending to transfer should take MAT 110 and MAT 111 for MAT 175.