

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.

CURRICULUM SEQUENCE

First Semester - Spring

CET 127

Course Title

Building Construction Print
Reading

Semester Credit Hours

4

or

EGR 270

Intro to Engineering

3

EGR 275

Introduction to Engineering/
Computer Graphics

3

EGR 285

Engineering Surveying I

3

EGR 295

Engineering Surveying I Lab

1

MAT 175

Algebra Trigonometry I*

3

TOTAL

13-14

Second Semester - Summer

EGR 282

Introduction to Civil
Engineering

2

EGR 286

Engineering Surveying II

3

EGR 296

Engineering Surveying II Lab

1

TOTAL

6

TOTAL CREDIT HOURS

19-20

*Students should select MAT 110/MAT 111 for MAT 175 for transfer purposes.

For more information about gainful employment, visit: <https://www.hgtc.edu/righttoknow>.