

Certificate SURVEYING

Students completing this certificate will gain the necessary skills to expertly use computers, measuring devices, and mapping systems; to collect research; to make decisions; and to create graphic presentations. By combining hands-on training with the latest technology in surveying equipment, AutoCAD and AutoCAD Civil 3D, students will learn to read maps and plats and to produce CAD documents. A working knowledge of applicable state and federal law 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 | Building Construction Print Reading | 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>.