

## 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
	<b>TOTAL</b>	<b>13-14</b>

#### Second Semester - Summer

EGR 282	Introduction to Civil Engineering	2
EGR 286	Engineering Surveying II	3
EGR 296	Engineering Surveying II Lab	1
	<b>TOTAL</b>	<b>6</b>
	<b>TOTAL CREDIT HOURS</b>	<b>19-20</b>

\*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>.