

# Surveying Technology

## Career Studies Certificate

**Purpose:** This option is designed to provide course work preparation to prospective examinees for the Virginia land surveyor licensing examination. The courses are encouraged and accepted by the State Board of Architects, Professional Engineers, Land Surveyors and Certified Landscape Architects under the auspices of the Commerce Department. Practical field experience will also be evaluated by the State Board to determine an individual's eligibility for licensing. As practical surveying experience is a necessary component for becoming licensed as a surveyor, occupational objectives include working in various capacities with surveying and engineering firms—with the ultimate objective of becoming a licensed surveyor.

**Occupational Objectives:** Graduates of the program may find work as surveyors and surveying technicians in architectural, engineering, and related services firms. Opportunities also exist in Federal, State, and local governmental agencies and in construction firms that concentrate on projects related to site design, land development, and transportation.

**Admission Requirements:** General college curricular admission

**Program Notes:** In addition to the general college curricular admission requirements, those interested in entering the Surveying Technology option must be proficient in algebra, plane geometry, and trigonometry. Students found to be deficient in these areas will be advised to enroll in appropriate mathematics courses.

<b>CURRICULUM</b>				
<b>COURSE</b>	<b>TITLE</b>	<b>LEC. HRS.</b>	<b>LAB. HRS.</b>	<b>CRS. CRE.</b>
ECO 120	Survey of Economics	3	0	3
LGL 226	Real Estate Abstracting	3	0	3
CIV 171	Surveying I	2	3	3
CIV 265	Curves and Earthwork	3	0	3
CIV 172	Surveying II	2	3	3
CIV 241	Applied Hydraulics and Drainage I	3	0	3
CIV 242	Applied Hydraulics and Drainage II	3	0	3
<b>TOTAL</b>		19	6	21
<b>Total Minimum Credits for Career Studies Certificate in Surveying Technology</b>				<b>21</b>