

**LAND SURVEYING TECHNOLOGY (LAND)
ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE**

Knight Campus, Warwick only

No new students are being admitted to this program until Spring 2013. Program under review.

The Community College of Rhode Island, in conjunction with the Rhode Island State Board of Registration for Professional Land Surveyors and the Rhode Island Society of Professional Land Surveyors, has developed an associate degree in Land Surveying Technology at CCRI.

Surveyors work to establish land maps and boundaries for ownership or governmental purposes. They provide data for geographical information systems and computer databases that contain data on land features and boundaries. Surveying is the measurement of dimensional relationships among points, lines and physical features on or near the Earth's surface. It determines horizontal distances, elevation differences, directions and angles, which then can be used to compute areas and volumes and to establish locations in relation to a coordinate system. Surveyors use elements of geometry, engineering, trigonometry, mathematics, physics and law in their work.

This program is designed for transfer to the University of Rhode Island's Civil Engineering program. A revised program of study is currently being developed for students not wishing to pursue that degree. Visit <http://faculty.ccri.edu/jsrobinson> for more information.

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
ENGL 1010* OR 2100*	Composition I OR Technical Writing	3
GEOL 1010	General Geology I	4
MATH 1430* OR P	Mathematics for Liberal Arts Students	3
MATH 1750* P	Applied Technical Mathematics I	3
MATH 1760 P	Applied Technical Mathematics II	3
MATH 1920 P	Calculus II	4
PHYS 1100	Engineering Physics	4
PHYS 1080 P	Fundamentals of Optical Communications	3
SPCH 1100*	Oral Communication I	
Humanities/Math Science OR Social Science Elective	See page 17 for a complete a listing of courses that meet this requirement.	3
Science Elective	See page 17 for a complete listing of courses that meet this requirement.	3-4
Social Science Elective	See page 17 for a complete listing of courses that meet this requirement.	3
Total General Education Credits		36-37

Major Requirements

COURSE NO.	COURSE TITLE	CREDITS
ENGR 1030	Engineering Graphics	3
ENGR 2160 P	Introduction to Engineering Analysis	2
ENGT 1060	AutoCAD Basics	2
ENGT 1070 P	AutoCAD Advanced	2
ENGT 1410 P	CAD for Surveyors	4
ENGT 1420 P	Land Surveying II	4
LAWS 2050	Law of Contracts	3
LAWS 2060	Law of Property, Estates and Trusts	3
MATH 1475 P	Statistics for the Social Sciences	3
PHYS 1050	Physics for Technology I	4
COMI 1100	Introduction to Computers	3
CVE 240**	Geomatics (Land Surveying I)	2
CVE 241**	Geomatics Lab	1
Total Major Requirements Credit		36

Total Program Credits

72-73

* Placement test required.

** URI classes. These are prerequisites to ENGT 1420.

IMPORTANT:

Because several courses are required in all Engineering and Technology concentrations, students may transfer between concentrations fairly easily without losing much educational time.

P This course has a prerequisite. C This course has a corequisite. See Course Descriptions section for class hours, prerequisites and corequisites.