

TIPS:

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

LAND SURVEYING TECHNOLOGY (LAND)

ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE

Knight Campus, Warwick

The Community College of Rhode Island, in conjunction with the RI State Board of Registration for Professional Land Surveyors and the RI Society of Professional Land Surveyors, has developed an associate degree in Land Surveying Technology at CCRI. The outline listed below is a revision to this degree and is pending approval of the Curriculum Committee Board at CCRI.

Wherever there are roads, dams, retaining walls, bridges or residential areas to be built, there are surveyors. Their work is used to establish land maps and boundaries for ownership or governmental purposes. They also 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.

The Community College of Rhode Island's Land Surveying Technology program leads to an Associate in Applied Science degree, which is all you need to begin your land surveying career. Students also have the option of transferring into the University of Rhode Island's civil engineering program.

GENERAL EDUCATION REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGL 1010* OR 2100*	Composition I OR Technical Writing*	3
<input type="checkbox"/> GEOL 1010	General Geology I	3
<input type="checkbox"/> MATH 1900*	Pre-Calculus*	4
<input type="checkbox"/> MATH 1910	Calculus I	4
<input type="checkbox"/> PHYS 1080	Fundamentals of Optical Communications	4
<input type="checkbox"/> SPCH 1100	Oral Communications	3
<input type="checkbox"/> Humanities/Math Science OR Social Science Elective	See pg. 17 for list of courses that meet this requirement	3
<input type="checkbox"/> Science Elective	See pg. 17 for list of courses that meet this requirement	3-4
<input type="checkbox"/> Social Science Elective	See pg. 17 for list of courses that meet this requirement	3
Total General Education Credits		30-31

* Placement test required

MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGR 1030	Engineering Graphics	3
<input type="checkbox"/> ENGR 2160	Introduction to Engineering Analysis	2
<input type="checkbox"/> ENGT 1060	AutoCAD Basics	1
<input type="checkbox"/> ENGT 1070	AutoCAD Advanced	2
<input type="checkbox"/> ENGT 1410	CAD for Surveyors	4
<input type="checkbox"/> ENGT 1420	Land Surveying II	4
<input type="checkbox"/> LAWS 2050	Law of Contracts	3
<input type="checkbox"/> LAWS 2060	Law of Property, Estates and Trusts	3
<input type="checkbox"/> MATH 1550	Statistical Analysis I	3
<input type="checkbox"/> PHYS 1050	Physics for Technology I	4
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<input type="checkbox"/> CVE 240**	Geomatics (Land Surveying I)	2
<input type="checkbox"/> CVE 241**	Geomatics Lab	1
Total Major Requirements Credits		35

** URI classes. These are prerequisites to ENGT 1420

Total Program Credits

65-66

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