

# Land Surveying Technician



## Possible Careers

- Land Surveying Technician
- Civil Engineer Technician
- Engineering Technician
- Cartographer

## Salary Information

Wages averaged \$31,978 a year for 2006 Nicolet College Land Surveying graduates

## Associate Degree – 63 credits

Surveyors measure and plot the location of land and water boundaries. Using reference points, they measure lines, elevation contours, and distances between points and gather data about the features of land and water area. Surveying includes many special fields. Land surveyors establish and mark property lines. Marine surveyors map shorelines and depths of water bodies. Engineering surveyors survey sites of buildings, roads, sewers, and other projects. Geodetic surveyors set reference points for use by other surveyors.

Surveyors work for private surveying or engineering firms. Many work for state or local highway departments. Some are self-employed. They usually work eight-hour days, five days per week, although longer hours may be required in summer. Surveyors do much of their work outdoors, but they also work indoors when doing computations, writing reports, and drawing maps.

we are  
futuremakers

# Land Surveying Technician

## Land Surveying Program Outcomes

- 1) Understand the historical impact the surveying profession has had on our society.
- 2) Perform the field measurements and office computations involved in a plane survey.
- 3) Understand the basic concept of subdivision design and prepare a plat in accordance with state regulations.
- 4) Perform the necessary field and office procedures involved in a transportation survey.
- 5) Perform the field measurements and office computations involved in a geodetic survey.
- 6) Understand the various types of law that regulate the surveying profession and control proper boundary determination in Wisconsin.
- 7) Develop the skills necessary to interpret and prepare a land description.
- 8) Perform the research and gather the field evidence necessary to evaluate and document a retracement survey.
- 9) Demonstrate knowledge of what constitutes professional conduct and what is expected of an employee in a work environment.
- 10) Perform field and office tasks with surveying equipment, utilizing current technology.

Curriculum	Credits
<b>First Year</b>	
<b>Fall Semester</b>	
10-606-119 CAD Introduction . . . . .	2
10-606-120 CAD Level I . . . . .	2
10-607-101 Surveying Drafting I . . . . .	3
10-607-104 Surveying I . . . . .	3
10-804-115 College Technical Mathematics 1 . . . . .	5
	<b>15</b>
<b>Spring Semester</b>	
10-607-102 Surveying Drafting II . . . . .	3
10-607-105 Surveying II . . . . .	3
10-801-195 Written Communications . . . . .	3
10-804-116 College Technical Mathematics 2 . . . . .	4
10-809-199 Psychology of Human Relations . . . . .	3
	<b>16</b>
<b>Second Year</b>	
<b>Fall Semester</b>	
10-607-106 Surveying III . . . . .	3
10-607-107 Land Subdivision Drawing I . . . . .	3
10-607-109 Route Location . . . . .	3
10-801-196 Oral/Interpersonal Communication . . . . .	3
10-806-154 General Physics . . . . .	4
OR	
10-806-137 Comprehensive Tech Physics . . . . .	(4)
	<b>16</b>
<b>Spring Semester</b>	
10-103-150 Arc View: GIS for Everyone . . . . .	1
10-607-103 Legal Elements of Land Surveying . . . . .	3
10-607-112 Surveying IV . . . . .	3
10-607-108 Land Subdivision Drawing II . . . . .	3
10-607-110 Boundary Location . . . . .	3
10-809-197 Contemporary American Society . . . . .	3
	<b>16</b>

Students must have a grade of "C" or better to progress in core courses in the following semester and a grade of "C" or better in all core courses to graduate. A cumulative G.P.A. of 2.0 is required for graduation.



Nicolet College Admissions Office  
 715.365.4451 or 800.544.3039 ext. 4451  
[inquire@nicoletcollege.edu](mailto:inquire@nicoletcollege.edu)  
 University Transfer Center Room 210  
 5364 College Drive  
 Rhinelander, WI, 54501  
[www.nicoletcollege.edu](http://www.nicoletcollege.edu)