

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Surveying and Materials Technology
Certificate of Completion

Curriculum Code: 1011 (Effective Fall 2009 – Summer 2014)

This certificate provides students with basic instruction in surveying and materials testing used in the civil engineering industry. Students will develop skills in operating high-tech survey equipment; using computational software; and determining the properties of density, bituminous, and concrete materials used in construction. Graduates of this curriculum are prepared for entry level work in surveying and materials testing.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS (See Notes 1 and 2)

CODE	TITLE	TOTAL: 18 CREDITS CREDIT HOURS
CIVL 100	Intro to Civil Technology	3
CIVL 101	Civil Drafting (See Note 1)	3
CIVL 120	Surveying (See Note 2)	4
CIVL 124	Route Survey	4
CIVL 132	Construction Materials (See Note 2)	4
MINIMUM TOTAL		18

NOTES:

1. Basic mechanical drafting skills are necessary for this curriculum and may be demonstrated by a score of 80% or better on the Drafting Placement Test or by passing LAND 100 or METD 100 with a 2.0 minimum grade.
2. Math Level 5 or the completion of MATH 114 with a minimum grade of 2.0 is required to enroll in this curriculum.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I

CIVL 100
CIVL 101
CIVL 120

II

CIVL 124
CIVL 132