

**LANSING COMMUNITY COLLEGE**

**Computer, Engineering/Manufacturing Industrial Technologies**

**Curriculum Code: 1011**  
 (Effective Fall 2018 –  
 Summer 2023)

**Surveying and Materials Technology C.C. Pathway**

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.

**For More Information**

Contact the Civil Technology Program at the West Campus Building, Room M103, telephone number (517) 483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

<b>Semester I</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/Billing Hours</b>
<b>Program of Study Requirements</b>			
CIVL 101	Civil Drafting	None	3 / 4
CIVL 120	Surveying	Minimum 2.0 in MATH 114 or Math Level 5	4 / 6
DCTM 100	Intro to the Built Environment	Reading Level 4 and Writing Level 4 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 4
<b>Credits</b>			<b>10 / 14</b>
<b>Semester II</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/Billing Hours</b>
<b>Program of Study Requirements</b>			
CIVL 110	Density Certification	None	2 / 2
CIVL 124	Route Survey	Minimum 2.5 in CIVL 120 and Math Level 5	4 / 6
CIVL 141	Site Inspection	Reading Level 3 and Writing Level 2 and Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	3 / 3
<b>Credits</b>			<b>9 / 11</b>
<b>Total Credits</b>			<b>19 / 25</b>