

| LANSING COMMUNITY COLLEGE | | | |
|--|-----------------------------------|--|--------------------------|
| Computer, Engineering/Manufacturing Industrial Technologies | | | |
| Curriculum Code: 0178 (Effective Fall 2017 – Summer 2022) | Civil Technology A.A.S. Pathway | | |
| Semester I | Course Title | Prerequisites | Credit/ Billing Hours |
| Program of Study Requirements | | | |
| CIVL 101 | Civil Drafting | None | 3 / 5 |
| 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 | 3 / 4 |
| DCTM 102 | Industrial/Construction Safety | Reading Level 3 and Writing Level 2 | 2 / 3 |
| DCTM103 | Codes and Specifications | Reading Level 4 and Writing Level 4 and Math Level 4 | 3 / 3 |
| Credits | | | 15 / 21 |
| Semester II | Course Title | Prerequisites | Credit/Billing Hours |
| Math Core Area - <i>Select 1</i> | | | |
| MATH 115 | Technical Math II | (Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5 | 4 / 4 |
| Writing Core Area - <i>Select 1</i> | | | |
| <i>ENGL 124-Technical Writing is highly recommended to fulfill the Writing Core Area requirement but any of the Writing Core classes will be accepted.</i> | | | |
| ENGL 121 (formerly WRIT 121) | Composition I | Reading Level 5 and Writing Level 6 | 4 / 4 |
| ENGL 124 (formerly WRIT 124) | Technical Writing | (Reading Level 5 and Writing Level 6) or AASD 105 concurrently | 3 / 3 |

| Program of Study Requirements | | | |
|--|----------------------------|--|-----------------------------|
| 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 | 3 / 3 |
| Credits | | | 16-17 / 18-19 |
| Semester III | Course Title | Prerequisites | Credit/Billing Hours |
| Communication Core Area - <i>Select 1</i> | | | |
| COMM 110 (formerly SPCH 110) | Oral Comm in the Workplace | (Reading Level 5 and Writing Level 6) or AASD 104 concurrently | 3 / 3 |
| COMM 120 (formerly SPCH 120) | Dynamics of Communication | Reading Level 5 and Writing Level 6 | 3 / 3 |
| COMM 130 (formerly SPCH 130) | Fund of Public Speaking | Reading Level 5 and Writing Level 6 | 3 / 3 |
| Global Perspectives and Diversity Core Area - <i>Select 1</i> | | | |
| GEOG 200 | World Regional Geography | Reading Level 5 and Writing Level 6 and Math Level 4 | 4 / 4 |
| MGMT 234 | Diversity in the Workplace | Reading Level 5 and Writing Level 6 | 3 / 3 |
| SOCL 120 | Introduction to Sociology | Reading Level 5 or AASD 105 concurrently | 4 / 4 |
| Program of Study Requirements | | | |
| GRET 210 | Global Positioning Systems | None | 3 / 4 |

| Discipline Related Electives - <i>Select 2</i> <i>Courses may not be duplicated</i> | | | |
|---|--------------------------------|--|-----------------------------|
| CIVL 131 | Traffic Technology | None | 3 / 3 |
| CIVL 135 | Soils Technology | Minimum 2.0 in MATH 114 or Math Level 5 | 3 / 3 |
| CIVL 136 | Hydrology & Highway Technology | None | 5 / 5 |
| METS 140 | Rigging | Minimum 2.0 in (METS 102 or DCTM 102 or ELTE 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 4 | 3 / 4.5 |
| Credits | | | 15-18 / 16-20.5 |
| Semester IV | Course Title | Prerequisites | Credit/Billing Hours |
| Science Core Area - <i>Select 1</i> | | | |
| BIOL 120 | Environmental Science | (Reading Level 5 or AASD 105 concurrently) and Writing Level 6 | 4 / 6 |
| GEOL 230 | Environmental Geology | Reading Level 5 and Writing Level 6 and Math Level 4 | 4 / 6 |
| ISCI 131 | Integrated Physical Science | Reading Level 5 and Writing Level 6 and Math Level 4 | 4 / 6 |
| Program of Study Requirements | | | |
| CIVL 143 | Site Dsgn & Layout/Civil Techn | Minimum 2.0 in CIVL 101 | 3 / 4 |
| CIVL 241 | Statics/Strength of Materials | Minimum 2.0 in MATH 114 or Math Level 5 | 4 / 5 |

| Discipline Related Electives - <i>Select 1</i> | | | |
|---|-----------------------------|--|----------------------------------|
| <i>Courses may not be duplicated</i> | | | |
| CIVL 131 | Traffic Technology | None | 3 / 3 |
| CIVL 135 | Soils Technology | Minimum 2.0 in MATH 114 or Math Level 5 | 3 / 3 |
| METS 140 | Rigging | Minimum 2.0 in (METS 102 or DCTM 102 or ELTE 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 4 | 3 / 4.5 |
| Credits | | | 14 / 18-19.5 |
| Semester V | Course Title | Prerequisites | Credit/ Billing Hours |
| Program of Study Requirements | | | |
| <i>Students will need to talk to a program advisor before enrolling in the Civil Technology Internship.</i> | | | |
| CIVL 290 | Civil Technology Internship | Department Approval | 2 / 2 |
| Credits | | | 2 / 2 |
| Total Credits | | | 62-66 / 75-82 |