

# ELECTRO-MECHANICAL TECHNOLOGIES, CERTIFICATE OF COMPETENCY (ELTC)

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## Full-Time Academic Plan

The College will award a certificate of competency to students who complete an approved credit-bearing career program that requires less than 30 credits. General education courses may not be required for programs that have less than 30 credits. The student must have a cumulative GPA of 2.0 or higher. At least six (6) credits, or 50% of the total credits required, whichever is greater, must be completed at Delaware County Community College.

First Semester		Hours
ELT 204	Introduction to Programmable Logic Controllers	3
MTT 108 or MAT 128	Mathematics for Occupational Technologies or Algebra	3-4
TEL 101	D C Analysis	4
TME 115	Basic Technical Skills	3
<b>Hours</b>		<b>13-14</b>
Second Semester		Hours
TEL 102	A C Analysis	4
TEL 110	Electronics I	4
TEL 200	Electro and Mechanical Systems	3
TME 223	Industrial Robotics	4
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>28-29</b>

## Notes

This program is offered in two schedules: Dual Enrollment and regular College Open Enrollment.

- In the Open Enrollment Schedule, TEL 101 D C Analysis and TEL 110 Electronics I are offered in sequence in accelerated format.
- In the Open Enrollment Schedule TEL 200 Electro and Mechanical Systems and TME 220 Industrial Robotics are offered in sequence in accelerated format.
- In the Early College Enrollment Schedule, students take MTT 108 Mathematics for Occupational Technologies in 11th Grade and MAT 128 Algebra in 12th Grade.