## Industrial Computer Fundamentals
### Technical Certificate

**ACADEMIC MAP**

This program is not designed to transfer.

**2017-2019**

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### Milestone Courses

Based on prior students’ experience, students who do well in these courses are more likely to graduate on time in this program.

- CENT1320 Programming for Technicians
- EETC1331 Digital Fundamentals

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### General Advising Notes

- These courses are embedded within Computer Engineering Technology AAS except for ENTC 1124 & ENTC 1114.
- ENTC 1124 may be substituted in the TC with any higher-level math course, such as MATH 1740.
- ENTC 1114 can be substituted in the TC with EETC 1313 or EETC 1314.
- There is a technical elective in the Computer Engineering Technology AAS that either of these courses will satisfy.
- Learning support courses are not required for this certificate. However, if pursuing the CENT AAS degree simultaneously, see Helpful Hints below.

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### Helpful Hints

**15 to FINISH**

Take 15 credit hours a semester to finish your degree in two years.

Students pursuing an AAS degree are encouraged to take the ACCUplacer college placement test after completing ENTC 1124, thereby better preparing for math placement exam.

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### Contact Information

Phone: 901-333-4150
Email: CENT@southwest.tn.edu

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### ACADEMIC MAP

To stay on track, these courses must be taken in order.

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Notes</th>
<th>Credits</th>
<th>MC</th>
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<tbody>
<tr>
<td>CENT1310 Computer Systems &amp; Software</td>
<td>3</td>
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<tr>
<td>ENTC1124 Engineering Technology Tech</td>
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<tr>
<td>ENTC1114 Intro to Electrical/Electronic Tech</td>
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**SECOND SEMESTER**

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<td>CENT1320 Programming for Technicians</td>
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<tr>
<td>EETC1331 Digital Fundamentals</td>
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<td>CITC1320 A+ Hardware &amp; Software</td>
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**SEMINER CREDITS** 9

**PROGRAM CREDITS** 18