Spring 2018 Electronics and Computer Technology
Associate of Applied Science in Electrical/Electronic Engineering Technology Degree Program

Students are responsible for adhering to all college and university requirements and policies as stated in the BGSU Undergraduate Catalog. Pre-requisites shown below are for reference only.

<table>
<thead>
<tr>
<th>Communication</th>
<th>Pre-Req</th>
<th>Cr</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Studies Writing GSW 1120 and COMM are required. Based on placement scores, GSW 1100 or GSW 1110 may also be required. No more than 6 hours of GSW 1100/1110/1120 count toward graduation.</td>
<td></td>
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<tr>
<td>GSW 1100: Intensive Intro. to Academic Writing</td>
<td>placement</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>GSW 1110: Intro. to Academic Writing</td>
<td>placement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GSW 1120: Academic Writing</td>
<td>placement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COMM 1020 or COMM 3060*</td>
<td>Speech Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COMM 1020 or COMM 3060*</td>
<td>Interpersonal Communication</td>
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<table>
<thead>
<tr>
<th>Mathematics and Sciences</th>
<th>Pre-Req</th>
<th>Cr</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1280 (or equivalent combinations) and PHYS 2010 are required. Based on placement tests, MATH 90 and/or MATH 95 may also be required. MATH 90 &amp; MATH 95 do not count toward graduation.</td>
<td></td>
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<tr>
<td>MATH 90: Elementary Algebra</td>
<td>placement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 95: Intermediate Algebra</td>
<td>placement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 1210 and MATH 1220 and MATH 1290: Trigonometry</td>
<td>placement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR MATH 1200 and MATH 1290: Trigonometry</td>
<td>placement</td>
<td>5</td>
<td></td>
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<tr>
<td>OR MATH 1280: Precalculus Mathematics (QL)</td>
<td>placement</td>
<td>5</td>
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<tr>
<td>PHYS 2010: College Physics</td>
<td>placement</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>PHYS 2020* or CHEM 1090/1100 or CHEM 1250: General Chemistry</td>
<td>PHYS 2010</td>
<td>5</td>
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</table>

Each student must complete a sufficient number of electives to earn a minimum of 62 semester hours. At least 15 credit hours must be BGSU courses. Please check with your advisor for appropriate course selections.

**Communication**

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**Mathematics and Sciences**

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**Electronics Courses**

<table>
<thead>
<tr>
<th>Pre-Req</th>
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</thead>
<tbody>
<tr>
<td>ECT 1910: Energy, Power, Instrumentation &amp; Control</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECT 2400: Electric Circuits</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECT 2410: Electronic Circuits</td>
<td>ECT 2400</td>
<td>3</td>
</tr>
<tr>
<td>ECT 2490: Digital Electronic Components &amp; Systems</td>
<td>3</td>
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<tr>
<td>ECT 2500: RT Microcomputer Sys for Industrial Control</td>
<td>ECT 2490</td>
<td>3</td>
</tr>
<tr>
<td>ECT 3490: Digital Computer Analysis</td>
<td>ECT 2490</td>
<td>3</td>
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**Computer Core**

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<thead>
<tr>
<th>Pre-Req</th>
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<tbody>
<tr>
<td>CST 1810 and CST 2810: Network and Internet Principles</td>
<td>see catalog</td>
<td>3</td>
</tr>
<tr>
<td>CST 2810: Network and Internet Implementation</td>
<td>see catalog</td>
<td>3</td>
</tr>
<tr>
<td>CS 1010* Intro to Programming (Visual Basic)</td>
<td>see catalog</td>
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<tr>
<td>CS 2010* Intro to Object-Oriented Programming (C++)</td>
<td>see catalog</td>
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<tr>
<td>CS 2020: Objects and Data Abstractions</td>
<td>“C” in CS 2010</td>
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<tr>
<td>CS 2170: Computer Organization</td>
<td>CS 2010</td>
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<tr>
<td>CST 2750: Microcomputer Systems</td>
<td>3</td>
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</table>

**Automation & Design Core**

<table>
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<tr>
<th>Pre-Req</th>
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<tbody>
<tr>
<td>ECT 3100 (or 2480): Programmable Logic Controllers</td>
<td>ECT 1910 or 1960</td>
<td>3</td>
</tr>
<tr>
<td>ECT 2470† Electrical Measurements &amp; Instrumentation</td>
<td>ECT 3100</td>
<td>3</td>
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<tr>
<td>ENGT 1010: Design &amp; Engineering Graphics I</td>
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<tr>
<td>ENGT 1100: Basic Computer-Aided Design</td>
<td>ENGT 1010</td>
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</table>

* Students planning to pursue a B.S. degree in Electronics and Computer Technology must also take these courses.

† Taken with CS 2010 as a prerequisite, this course may count towards ECT 4410.
# Associate of Applied Science in Electrical/Electronic Engineering Technology
with a major in Electronicals and Computer Technology

<table>
<thead>
<tr>
<th>Fall</th>
<th>Year One</th>
<th>Year Two</th>
<th>Year Three</th>
<th>Year Four</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECT 1910</td>
<td>→</td>
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<tr>
<td>ECT 2410</td>
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<tr>
<td>ECT 2490</td>
<td></td>
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</tr>
<tr>
<td>ECT 3100</td>
<td></td>
<td></td>
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<tr>
<td>ECT 3490</td>
<td></td>
<td></td>
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<tr>
<td>CS 1010/2010</td>
<td></td>
<td></td>
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<tr>
<td>CST 1810</td>
<td></td>
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</tbody>
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| Spring  | | | | |
|---------| | | | |
| ECT 1910 | | | | |
| ECT 2400 | | | | |
| ECT 2500 | | | | |
| ECT 2470 | | | | |
| CS 2020 | | | | |
| CST 2750 | | | | |
| CST 2810 | | | | |

| Summer  | COMM 3060 | | | |
|---------|-----------| | | |

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