Technology Studies
Associate in Science Degree

The Technology Studies program is part of the statewide College of Technology. The College of Technology curriculum includes course work that prepares students for technical positions in the workforce while simultaneously providing a seamless pathway to a four-year degree at Central Connecticut State University in Industrial Management, Technology Teacher Preparation, or Engineering Technology.

First Semester

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD#133</td>
<td>CAD Mechanical AutoCAD (a)</td>
<td>3</td>
</tr>
<tr>
<td>COM#173</td>
<td>Public Speaking (a)</td>
<td>3</td>
</tr>
<tr>
<td>ENG#101</td>
<td>Composition (a)</td>
<td>3</td>
</tr>
<tr>
<td>MAT#165</td>
<td>Elementary Statistics with Computer Application (a)</td>
<td>4</td>
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</tbody>
</table>

Select one of the following courses:

- CHE#111 Concepts of Chemistry (a) or CHE#121 General Chemistry I (a) | 4

Second Semester

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG#202</td>
<td>Technical Writing (a)</td>
<td>3</td>
</tr>
<tr>
<td>MAT#186</td>
<td>Precalculus (a)</td>
<td>4</td>
</tr>
</tbody>
</table>
| Economics Elective (a)(b) | 3
| Geography or History or Political Science Elective (a)(b) | 3

Select one of the following courses:

- PHY#110 Introductory Physics (a) or PHY#121 General Physics I (a) | 4

Third Semester

Directed Elective (b) | 3
Technology Elective (b) | 3
Economics or History Elective (a)(b) | 3
Psychology or Sociology Elective (a)(b) | 3

Fourth Semester

Directed Elective (b) | 3
Fine Arts Elective | 3
(From ART*, COM*154, DGA*, GRA*, NMC*, MUS*, THR*)
Philosophy Elective (a)(b) | 3
Technology Elective (b) | 3
Technology Elective (b) | 3
Technology Elective (b) | 3

Total | 67

(a) Prerequisite and/or co-requisite required.
(b) To be selected in consultation with faculty advisor based on student's program of study.

Technology Studies (A.S. Degree)

Program Abilities:

Upon successful completion of all courses in the program, students will be able to:

1. identify and apply the design principles of engineering and technology when solving basic engineering problems
2. utilize the tools, materials, techniques, and technical processes of engineering and technology when solving technical problems
3. apply the basic concepts of science and mathematics to the study of electricity and electronics, materials, computer-aided design (CAD), manufacturing, and construction
4. utilize appropriate computer software when creating technical drawings and presentations
5. create two-dimensional technical drawings, solid models, and surface models, according to current engineering standards
6. identify energy conversion processes and their relation to engineering and technology
7. demonstrate technical competency in a functional area of technology. The specialization may include, but is not limited to: electricity, computer aided drafting and design, manufacturing, and construction.