THE TOP 10 FIELDS WHERE 3D CAN BE APPLIED ARE:

- Engineering
- Design
- Architecture
- Research & Development
- Prosthetics
- Bio Technologies
- Art
- Materials Development
- Manufacturing
- Culinary Arts

If you are considering going into one of these fields of study, then 3D printing may be right for you.

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As the call from industry for training in 3D printing increases, Somerset Community College has stepped to the forefront in offering a certificate in the technology. SCC was the first institution of higher education in Kentucky to offer the statewide certificate in additive manufacturing, also known as 3D printing.

Experts in nearly every manufacturing industry, as well as various biomedical and service industries, are predicting that training in additive manufacturing/3D printing is what their employees will need for the future. In the next decade, the market potential in this field of technology is estimated to be between $230 to $550 billion dollars, mainly associated with transportation, biomedical, and tooling industries.

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Printed parts and pieces are becoming more of the norm and students with the knowledge of how additive manufacturing/3D technology works should have a distinct advantage in the workplace of the future.

The certificate at SCC will consist of five classes, including design classes, individual hands-on projects and a business class with a focus on entrepreneurship.

Additive printing/3D technology is constantly changing and business and industry leaders are finding ways to incorporate it everywhere — in business, art, health, manufacturing, education and more.

By offering the 3D Printing Technician certificate, SCC places itself at the forefront of this growing technology. Students successfully completing the coursework will be poised to take the lead in this technology across the state.
# 3D Printing Technician - Level I Certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPT 100</td>
<td>Introduction to 3D Printing Technology <strong>OR</strong></td>
<td>3</td>
</tr>
<tr>
<td>DPT 102</td>
<td>3D Printing Technology Fundamentals <strong>AND</strong></td>
<td>2</td>
</tr>
<tr>
<td>CIT 105</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>BAS 160</td>
<td>Introduction to Business <strong>OR</strong></td>
<td>3</td>
</tr>
<tr>
<td>BAS 170</td>
<td>Entrepreneurship</td>
<td>3</td>
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<tr>
<td>DPT 150</td>
<td>Introduction to Engineering Mechanics for 3D Printing</td>
<td>3</td>
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<tr>
<td>DPT 280</td>
<td>Special Projects for 3D Printing, Level I</td>
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</tbody>
</table>

**Elective** Any technical, entry level course within a field where 3D printing application exists 3

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**TOTAL HOURS FOR PROGRAM – 16-18**

**Notes:**

Revised: 05/2019

KCTCS is an equal educational and employment opportunity institution.