MANUFACTURING MANAGEMENT, CERTIFICATE

A resurgence of manufacturing across the state of New York has created a critical need for individuals with an understanding of manufacturing technologies, processes and systems and the global supply chain. In response to this growing need, SUNY Empire State College has developed a new undergraduate certificate program in Manufacturing Management designed for professionals who do not currently hold a degree in the field.

The undergraduate certificate in Manufacturing Management is designed specifically to meet the needs of individuals working in the manufacturing sector, who seek professional growth and advancement in their careers. The certificate program is designed to help students learn to successfully supervise manufacturing operations, while providing expertise in a variety of areas, such as production planning, inventory management, project management and supply-chain management. The 24-credit certificate is aimed at students who want to become managers in the manufacturing environment.

The 24-credit Manufacturing Management certificate program comprises six courses that may be taken online or through independent study. The certificate courses are fully applicable to a bachelor’s degree program developed in the Business, Management and Economics (BME) area of study and/or a bachelor of science degree program in management and/or a bachelor of science degree program in business administration. (Please consult with your SUNY Empire mentor about how this may be applicable to your specific case). Certificate students who are concurrently enrolled in a bachelor’s degree program are eligible to apply for federal financial aid, while those students who enroll only in the certificate program are not.

Enroll in the Certificate Program for Manufacturing Management

Currently enrolled students: Submit the online Degree Add/Change Request Form (https://banner.esc.edu/BannerExtensibility/customPage/page/DegreeChange/), select “add”, select “CUG” for degree, and choose “Manufacturing Management” for program. If you are not currently enrolled, apply online (https://www.esc.edu/admissions/associate-bachelors/) and select the certificate option.

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Certificate Program Coordinator

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Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 1005</td>
<td>Principles of Management</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1066</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 4025</td>
<td>Manufacturing Management</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 3080</td>
<td>Supply Chain Management In The Global Context</td>
<td>4</td>
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Upon completion of the certificate program, students will be able to demonstrate an enhanced understanding of:

- the dynamics of a manufacturing organization and how it operates within a global environment
- global supply chains, including the impact of information technology along with supply-chain design
- management and leadership skills in a production-based environment
- lean manufacturing, resource planning, plant layout, inventory controls and production planning and supervision
- the use of analytical tools to improve operations modeling and evaluation of outputs
- manufacturing strategies and principles from a preventative and predictive maintenance standpoint
- methods to translate customer demand into effective production and service delivery models