

MANUFACTURING MANAGEMENT: CERTIFICATE

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 Manufacturing Management certificate program is comprised of 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 Empire State University 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 can submit the online Degree Add/Change Request Form. If you are not currently enrolled, apply online (<https://www.sunyempire.edu/admissions/associate-bachelors/>) and select the certificate option.

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Certificate Program Coordinator

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The Certificate in Manufacturing Management includes the following required courses. Students take the required courses in the following sequence:

Code	Title	Credits
MGMT 1005	Principles of Management	4
MATH 1065	Statistics	4
MGMT 4025	Manufacturing Management	4
MGMT 3080	Supply Chain Management In The Global Context	4
INFT 3035	Project Management	4
MGMT 3050	Operations Management	4

Upon completion of the certificate program, students will demonstrate the following learning objectives:

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