Supply Chain Management M.S.

Degree: Master of Science
https://www.towson.edu/cbe/departments/business-analytics-technology-management/grad/supplychain/

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The Master of Science degree in Supply Chain Management and the embedded Post-Baccalaureate Certificate in Supply Chain Management (http://catalog.towson.edu/graduate/degree-certificate-programs/business-economics/supply-chain-management-certificate) are designed to develop professionals who can manage, analyze, and control activities across the entire supply chain, from upstream procurement to downstream distribution channels. The types of employers targeted by this program include companies, consulting firms, and government agencies that need to achieve competitive advantage and cost efficiencies by improving their supply chain performance. This program has been designed by benchmarking content and courses against industry credentialing offerings so that graduates of the program can proceed to professional certification based on the knowledge gained in the program.

Students have the opportunity to complete courses in a combination of face-to-face, online, and blended formats.

Graduates with a supply chain management background can pursue careers as purchasing specialists, contract administrators, procurement officers and managers, supply chain management professionals, business analysts, demand managers, and more. In fact, the majority of U.S. jobs fall somewhere in a supply chain, whether it is procurement, logistics and operations, marketing, or sales and service. International students may benefit from the program’s STEM designation, which supports an optional practical training extension.

Accelerated Bachelor’s-Master’s Program

Students may also earn the M.S. in Supply Chain Management through the accelerated bachelor’s to master’s program (BS-MS) (http://catalog.towson.edu/undergraduate/business-economics/business-analytics-technology-management/bs-ms-business-administration-supply-chain-management). This program is designed for Business Administration (BUAD) majors who have a concentration in Project Management and Business Analysis (PMBA).

Admitted BUAD majors with a PMBA concentration may apply for the accelerated Bachelor’s-Master’s in Supply Chain Management program once 60 total undergraduate credits are earned, or junior standing. Students may then begin taking selected graduate courses once 90 undergraduate credits are earned, or senior standing. Up to nine units of 600- and 700-level courses can be counted toward both the undergraduate and graduate degrees. A bachelor’s degree is awarded after all the bachelor’s degree requirements are met.

Prospective students must complete an application (https://www.towson.edu/cbe/documents/bs_ms_supply_chain_application.pdf) for the BS-MS program. Once accepted into the program, they must then complete a full application for graduate admission in order to continue in the program upon completion of their undergraduate degree. A GPA of 3.0 or higher is needed, and admission to the BS-MS program is both limited and competitive. Students not admitted in the current semester can reapply for admission in future semesters.

Admission Requirements

Applications for admission are accepted, and admission decisions are made, on a rolling basis.

Admission to the Master of Science degree in Supply Chain Management is competitive. The eligibility requirements to be admitted into the program are:

- A bachelor’s degree in a relevant field from a regionally accredited college or university**, and/or three years post-bachelor’s experience working in supply chain related areas is recommended. Applicants must have a cumulative GPA of 3.00 (on a scale of 4.00) or equivalent on the most recent 60 units of graduate or undergraduate work. Conditional admission may be granted with a minimum GPA of 2.75.
- For international students, a minimum IELTS score of 6.5 or minimum TOEFL score of 80 for iBT (550 for paper-based testing) is required. See more details for international admissions. (https://www.towson.edu/academics/graduate/admissions/international)
- Applicants must submit a résumé and a one- to two-page statement describing their past relevant experience, their career goals and how they expect this program to support those goals.
- Two reference letters are required, attesting to the applicant’s ability to withstand the rigor of a graduate education.

Those students who have no background in statistics or received their B.S. degree more than five years ago are required to take a course in statistics—EBTM 501—prior to taking classes in the program.

Applicants must submit the online application (https://www.towson.edu/academics/graduate/admissions/apply) plus the required materials.

Non-immigrant International Students

Program Enrollment: F-1 and J-1 students are required to be enrolled full-time. The majority of their classes must be in-person and on campus. See the list of programs that satisfy these requirements (https://www.towson.edu/academics/graduate/admissions/international/programs-complying-j1-f1-regulations.html), and contact the International Student and Scholars Office (https://www.towson.edu/academics/international/isso) with questions.

Admission Procedures: See additional information regarding Graduate Admission policies (https://www.towson.edu/academics/graduate/admissions/policies.html) and International Graduate Application (https://www.towson.edu/academics/graduate/admissions/international) online.

**See Exceptions to Policy in Graduate Admissions (https://www.towson.edu/academics/graduate/admissions/policies.html).

Degree Requirements

Students must complete a total of at least 30 units:

- 18 units in six core courses taken by all students
- 9 units of elective courses
- 3 units of capstone project
### Required Courses

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>EBTM 602</td>
<td>INTRODUCTION TO SUPPLY CHAIN MANAGEMENT</td>
<td>3</td>
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<tr>
<td>EBTM 604</td>
<td>INTRODUCTION TO PROJECT MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>EBTM 610</td>
<td>OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>EBTM 620</td>
<td>PROCUREMENT AND SOURCING</td>
<td>3</td>
</tr>
<tr>
<td>EBTM 710</td>
<td>LOGISTICS AND DISTRIBUTION</td>
<td>3</td>
</tr>
<tr>
<td>EBTM 720</td>
<td>SUPPLY CHAIN ANALYTICS</td>
<td>3</td>
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### Electives

Select three of the following:

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>COSC 643</td>
<td>INTRNET SUPPLY CHAIN MNG</td>
</tr>
<tr>
<td>EBTM 730</td>
<td>BUSINESS PROCESS MANAGEMENT</td>
</tr>
<tr>
<td>EBTM 735</td>
<td>SIX-SIGMA QUALITY</td>
</tr>
<tr>
<td>EBTM 740</td>
<td>CUSTOMER RELATIONSHIP MANAGEMENT</td>
</tr>
<tr>
<td>EBTM 790</td>
<td>SPECIAL TOPICS IN SUPPLY CHAIN MANAGEMENT</td>
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<tr>
<td>EBTM 795</td>
<td>INDEPENDENT STUDY</td>
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<tr>
<td>EBTM 797</td>
<td>INTERNSHIP IN SUPPLY CHAIN MANAGEMENT</td>
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### Supply Chain Management Project

The extended project offers a practical, real-world, problem-solving experience for the student. Ideally, students will take on a project from their workplace, an agency of federal, state or local government, or a private business. They will begin work on the project after taking 15 units of course work and may continue working on the project while completing other course work.

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<tr>
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<tr>
<td>EBTM 881</td>
<td>SUPPLY CHAIN MANAGEMENT CAPSTONE PROJECT</td>
<td>3</td>
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### Total Units

30

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1. Students who successfully complete EBTM 602, EBTM 610, EBTM 620, EBTM 710, and EBTM 720 earn a Post-Baccalaureate Certificate in Supply Chain Management as part of their Master of Science degree.

### Learning Objective 1

Compare and contrast methods to manage, analyze and control supply chain activities. (Bloom’s Level 4 – Analyze)

Courses assessed: Intro to Supply Chain (EBTM 602); Logistics and Distribution (EBTM 710).

### Learning Objective 2

Analyze a supply chain setting using critical thinking and problem-solving skills. (Bloom’s Level 4 – Analyze)

Courses assessed: Operations Management (EBTM 610); Procurement and Sourcing (EBTM 620).

### Learning Objective 3

Develop creative alternatives to supply chain problems using appropriate technology. (Bloom’s Level 6 – Creating)

Courses assessed: Intro to Supply Chain (EBTM 602); Supply Chain Analytics (EBTM 720).

### Learning Objective 4

Synthesize and integrate concepts and methods to evaluate and recommend supply chain improvements. (Bloom’s Level 6 – Creating)