

## Master of Science in Supply Chain Logistics Technology

The degree plan for the Master of Science in Supply Chain and Logistics Technology program is designed specifically to prepare individuals with undergraduate degrees in technology disciplines for responsible leadership roles in the technology-based and information based workplaces. The core courses provide in-depth preparation in project management skills. Being able to plan and manage technology projects is an increasingly important skill for those with a technical background. This program is designed for the professional who seeks advanced preparation in logistics, inventory management, transportation, sales, and procurement.

M.S. in Supply Chain Logistics Technology (36 hours)	
Specialized Courses (12 hours)	Hours
SCLT 6314: Measurement & Evaluation of Supply Chain Operations	3
SCLT 6316: Global Supply Chain Operation	3
SCLT 6318: Supply Chain Strategies	3
SCLT 6320: Procurement Strategies	3
Required Courses (12 hours)	
TEPM 6301: Project Management Principles	3
TEPM 6302: Project Leadership and Team Building	3
TEPM 6303: Risk Assessment in Project Management	3
TEPM 6304: Quality Improvement in Project Management	3
Supply Chain and Logistics Technology Project (6 hours)	
TEPM 6391: Project Management Seminar	3
TEPM 6395: Integration Project	3
Approved Electives (6 hours)	
	3
	3

### Course Descriptions for Technology Project Management (TEPM) courses:

#### 6301: Project Management Principles

Cr. 3. (3-0). Prerequisite: Technical undergraduate degree or consent of graduate faculty advisor. Overview of project management for technology-intensive workplaces. The basic tools of project management, including breakdown structure, scheduling, contracting, earned value analysis, and risk management, are described, as well as the elements that are critical to a technical project's success.

#### 6302: Project Leadership and Team Building

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or approval of graduate faculty advisor. Dynamics of project leadership from the individual, team, and organizational perspective in achieving improved performance in the information- or technology-based workplace.

#### 6303: Risk Assessment in Project Management

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of graduate faculty advisor. Overview of the basic components of risk as they pertain to technical projects: risk identification, risk impact analysis, risk response planning, mitigating risk, and risk management techniques.

#### 6304: Quality Improvement in Project Management

Cr. 3. (3-0). Prerequisite: [TEPM 6301](#) or consent of graduate faculty advisor. Methods for conducting quality assessment in project management projects in production and service operations; concepts, methodologies, and

statistical analysis tools of quality improvement, including quality theory, standards, design, control, and assurance.

#### 6391: Project Management Seminar

Cr. 3. (3-0). Prerequisite: Permission of the graduate faculty advisor. Students demonstrate their ability to complete a major project that identifies and resolves an important technology or technology leadership issues.

#### 6395: Integration Project

Cr. 3. (3-0). Prerequisite: [TEPM 6391](#) and permission of the graduate faculty advisor. Students demonstrate their ability to structure and complete an integrative project that draws upon the skills developed in the project management common core courses and the student's specialization. Students report the results of their efforts in written and oral form.

### Course Descriptions for Logistics (SCLT) courses:

#### 6314: Measurement and Evaluation of Supply Chain Operations

Cr. 3. (3-0). Prerequisites: graduate standing and [TEPM 6301](#). Assessment techniques, performance analysis, cost/trade off evaluations and other methods to optimize Supply Chain Operations.

#### 6316: Global Supply Chain Operation

Cr. 3. (3-0). Prerequisites: graduate standing and consent of graduate faculty advisor. Supply chain operations in multinational business using situational analysis, legal issue considerations, and analysis of supply chain, transportation, and functional implications.

#### 6318: Supply Chain Strategies

Cr. 3. (3-0). Prerequisites: graduate standing and consent of graduate faculty advisor. Understanding the role of strategic planning to optimize supply chain activities. Planning methods, implementation techniques, process factors, outcome interpretation, and other activities necessary to achieve optimal results.

#### 6320: Procurement Strategies

Cr. 3. (3-0). Prerequisites: graduate standing and consent of graduate faculty advisor. Technological and functional trends in supply chain procurement operations. Domestic and international buying strategies to identify vendors and facilitators for enhanced movement of information and products through the supply chain.