

# **~~Logistics and~~ Supply Chain Management, Graduate Certificate**

The Graduate Certificate in Supply Chain Management provides focused and intensive study of important topics in supply chain management including procurement, production, operations, logistics and transportation. Students first get introduced to the foundation and basic concepts of supply chain management. They then take in-depth studies into domain topics of global supply chain management, strategic sourcing and supply chain integration, in conjunction with analytical methodologies for various data-driven decision-making functions in supply chains, including facility location and layout, production planning, inventory control, scheduling and vehicle routing. The program is suitable for candidates with undergraduate or graduate education other than supply chain management. It is also suitable for professionals whose primary responsibility is in other business functions (e.g., finance, marketing, information system, accounting), but who wish to broaden their scope of knowledge and training in supply chains.

This 12 credit hour certificate program also counts toward MBA degree program with the Management, and Operations Management Emphasis.

## **Admission Requirements**

Applicants must meet general University of Missouri-St. Louis Graduate School admissions requirements.

## **Certificate Requirements**

All course prerequisites and all course waivers are applicable. Substitute courses may be approved by the appropriate department chairperson and the Director of Graduate Business Programs.

~~Students must complete the following six courses or approved substitutes if course waivers are appropriate:~~

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**Required Courses**

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<del>SCMA 5320</del>	<del>Production and Operations</del>	<del>3</del>
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<del>SCMA 6330</del>	<del>Business Logistics Systems</del>	<del>3</del>
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<del>MKTG 5770</del>	<del>Supply Chain Management Strategy</del>	<del>3</del>
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<del>Nine additional hours (generally 3 courses) from<sup>1</sup></del>		<del>9</del>
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<del>SCMA 5301</del>	<del>Introduction to Geographic Information Systems</del>	
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<del>SCMA 5312</del>	<del>Advanced Statistical Methods for Management Decisions</del>	
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<del>SCMA 5322</del>	<del>Lean Production</del>	
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<del>SCMA 5324</del>		
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<del>SCMA 5326</del>	<del>Quality Management</del>	
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<del>SCMA 5334</del>	<del>Internship in Logistics and Supply Chain Management</del>	
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<del>SCMA 5381</del>	<del>International Logistics and Operations Management</del>	
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<del>SCMA 5399</del>	<del>Individual Research in Logistics and Operations Management</del>	
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<del>SCMA 6331</del>	<del>Logistics and Supply Chain Operational Modeling</del>	
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<del>SCMA 6332</del>	<del>Logistics and Supply Chain Strategic Modeling</del>	
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<del>SCMA 6350</del>	<del>Management Science Methods</del>	
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<del>SCMA 6360</del>	<del>Advanced Logistics and Operations Management Applications</del>
<del>SCMA 6395</del>	<del>Seminar in Logistics and Operations Management</del>
<del>MKTG 5775</del>	<del>Domestic Transportation</del>
<del>BUS-AD 5198</del>	<del>Seminar in Business Administration</del>
<del>INFSYS 6833</del>	<del>Decision Support Systems for Business Intelligence</del>
<del>INFSYS 6835</del>	<del>IT-Enabled Business</del>
<del>INFSYS 6847</del>	<del>Project Management</del>
<b>Total Hours</b>	<b>18</b>

<sup>1</sup> ~~At least 3 of the 9 elective hours for the certificate shall be from among the following courses: SCMA 5301, SCMA 5312, SCMA 5322, SCMA 5324, SCMA 5326, SCMA 5333, SCMA 5354, SCMA 5381, SCMA 5399, SCMA 6331, SCMA 6332, SCMA 6350, SCMA 6354, SCMA 6360, SCMA 6395.~~

~~Substitute courses must be approved by the chairperson of the Supply Chain & Analytics Department and the director of Graduate Studies in Business. In all cases, 18 hours are needed to complete the Graduate Certificate in Logistics and Supply Chain Management.~~

<b>Required Course</b>	
SCMA 5310	Supply Chain Strategies
<b>Supply Chain Management Course</b>	<b>3</b>
Choose one of the following:	
SCMA 5381	International Logistics and Operations Management

SCMA 6321	Strategic Sourcing	
SCMA 6360	Supply Chain Integration	
<b>Supply Chain Analytics Course</b>		<b>3</b>
Choose one of the following:		
SCMA 5320	Production and Operations	
SCMA 6330	Business Logistics Systems	
SCMA 6331	Logistics and Supply Chain Operational Modeling	
<b>Elective</b>		
An additional course chosen from the remaining Supply Chain Management and Supply Chain Analytics courses		3

The required and elective courses may be substituted with other courses with the approval of the Chair of Supply Chain & Analytics Department.

Rationale

The redesigned Graduate Certificate in Supply Chain Management has a blend of coverage in business analytics and the domain of supply chain management. It aims to meet the demand for “citizen data scientists”, a term coined by Gartner, who bridge the gap between a pure data scientist and a supply chain professional. Students have the option to choose their focus in either the Supply Chain Management or Supply Chain Analytics Track by taking their fourth course in the corresponding track. The four-course 12-credit hour structure makes the certificate more affordable and accessible to students, and makes students more competitive in the job market.