

Master of Science (MSc) Supply Chain Management

ABOUT SCM

The Master of Science in Supply Chain Management is unique in Europe, because it offers not only a thorough education in relevant theories and state-of-the-art methods and techniques, but also aims to provide a transdisciplinary and integrated view for gaining a deeper understanding of supply chain – related decision problems in a performance perspective. Decision problems in supply chains will be considered from the view of different types of focal companies, such as manufacturers/suppliers, logistics service providers and retailers.

CONTENT AND STRUCTURE

The program focuses on the analysis, design, management and operation of supply chains in manufacturing and professional service industries, in profit as well as non-profit environments.

The curriculum – grounded in proven theory and methodology, best practices and emerging innovative techniques – enables students to chart supply chain process all the way from managing information technology to enabling logistics and designing supply chain strategies.

The **first year** introduces students to the basics and relevant concepts of:

- › operations, transport and logistics,
- › business information systems and geoinformatics, as well as
- › mathematics and statistics.

Fundamental principles, methods, techniques and information tools – necessary for the analysis, management and operation of supply chains – are presented.

PROGRAM STRUCTURE*					
Logistics Management	Operations Management	Supply Chain Operations	Operations Research	Enterprise Resource Planning Systems	Geographic Information Systems for Transport and Logistics
5 ECTS each					
Supply Chain Planning	Supply Chain Controlling	Global Supply Chain Design	Supply Management	Advanced Operations Research	Advanced Geographic Information Systems for Transport and Logistics
5 ECTS each					
Seminar Course on Special Issues in Supply Chain Management			Electives (choice of two)		
10 ECTS			› Decision Support Systems		
			› Integrated Information Systems		
10 ECTS			› Transport and Logistics		
			› Transportation Geography and Modeling		
10 ECTS			› Retail and Marketing		
			Total 20 ECTS (à 10 ECTS)		
Research Seminar in Supply Chain Management			Master Thesis		
10 ECTS			20 ECTS		

* For details see: wu.ac.at/master/scm

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In the **second year**, students select two in-depth electives according to their individual interests. In one group of electives, students learn to design, plan and control a supply chain from the perspectives of different types of focal companies. The remaining electives deal with integrated information systems, advanced planning systems and transportation geography and modeling. In the additional Seminar Course, participants learn to apply the concepts and methods learned to real world environments. Further, a Research Seminar supports students in preparing and writing their theses.

QUALIFICATION AND CAREER PROSPECTS

Exceptional management of a company's supply chain is an essential key to success in modern business life. After completion of the MSc program, graduates will be thoroughly familiar with the design and analysis of logistics processes, the related information and financial flows in supply chains and transportation networks in general, the design of supply chain strategies, as well as the management and optimization of global supply chains and their coordination.

Corporate Partners

Students will have plenty of opportunities to be in touch with practitioners and leading experts from the industry to discuss recent issues in SCM, such as supply chain finance, outsourcing/off-shoring, supply chain risks, green supply chains, or disaster relief logistics. In addition, master thesis topics are also provided by our corporate partners.

AT A GLANCE	
Duration	Four semesters, full-time degree program
Start	Every winter semester
Language of instruction	English
Credits	120 ECTS credits
Degree awarded to graduates	Master of Science (WU)
Contact	scm-master@wu.ac.at

APPLICATION CRITERIA AND ADMISSION

A team of experts, consisting of at least three faculty members, will thoroughly review all submitted application documents and invite only the best students to enroll in the program, securing the program's high quality standards. The admission process starts with an online application. Candidates need to fulfill the following requirements:

- › A relevant bachelor degree or other equivalent degree program (the program must be worth at least 180 ECTS credits). Applicants must have successfully completed examinations in one of the following subjects: (i) Business administration and/or economics, worth a minimum of 60 ECTS credits (ii) Production systems and/or logistics systems and/or ICT, worth a minimum of 40 ECTS credits, (iii) Information systems, worth a minimum of 40 ECTS credits, (iv) Mathematics and/or statistics, worth a minimum of 40 ECTS credits or (v) Geography, worth a minimum of 40 ECTS credits
- › sufficient proficiency in English
- › skills and knowledge in (i) production and/or transport and/or logistics, (ii) management information systems and/or geoinformatics, (iii) mathematics and/or statistics,
- › achievement potential

For further and more detailed information on the application requirements and admission process, please visit the program's website at www.wu.ac.at/master/scm

APPLICATION DEADLINE

WU employs a rolling admission policy, allowing students to apply from the beginning of September until spring. Rolling admission for the academic year 2012/13 starts September 1st, with the following four priority deadlines: September 30th, 2011; November 30th, 2011; January 31th, 2012 and March 31th, 2012.