

M.S. in Logistics and Supply Chain Management

At the **Worldwide Campus**, the Master of Science in Logistics and Supply Chain Management is offered in an online format and focuses on procurement, distribution, and global supply networks. The program includes study of acquisition, sustainability, integrated logistics, collaborative supply chains, distribution management, and process optimization. The curriculum aligns with the ISM Supply Chain Capability Model. The program includes preparation for professional certifications, including Certified Supply Chain Professional (CSCP) offered by the Association for Operations Management (APICS), Certified Professional Logistics (CPL) offered by the International Society of Logistics (SOLE), and Certified Professional in Supply Management (CPSM) offered by the Institute for Supply Management (ISM). Students who complete the three-course SAP sequence (SCLM 540, SCLM 600, and SCLM 630) are eligible for SAP recognition.

Program-Level Student Learning Outcomes

Students will:

- Develop effective problem-solving and decision-making skills in managing supply chains.
- Analyze current distribution and transport network design solutions in supply chains.
- Adopt appropriate inventory management strategies to optimize inventories across the supply chains.
- Utilize appropriate metrics and data analytics tools to track and optimize the performance of supply chain networks.
- Appraise purchasing and procurement policies and procedures to determine effective sourcing strategies.
- Apply sales and operations planning in managing supply chain operations.
- Propose appropriate risk mitigation strategies to increase the resilience in supply chains.
- Evaluate the structures of international trade and complexities involved in extending supply chain operations globally.
- Analyze how emerging trends may affect the future landscape of logistics and supply chain management.

Worldwide Program Requirements

Core Requirements	21
Specializations or Open Electives	9
Total Credits	30

Program Details

The Master of Science in Logistics and Supply Chain Management requires successful completion of a minimum of 30 credit hours. Students enrolled in the Worldwide Graduate Online program may complete the degree in six terms, or approximately two years, assuming full-time enrollment and continuous progress. Students pursuing this graduate degree must earn a minimum cumulative grade point average (CGPA) of 3.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations.

Students should consult with their academic advisor to develop an individualized plan of study.

Students must complete the required Logistics and Supply Chain Management core curriculum and nine credit hours of a specialization.

Core Requirements

SCLM 500	Introduction to Supply Chain Management and the Profession	3
SCLM 511	Operations Research	3
AVMG 630	Aviation/Aerospace Systems Analysis	3
SCLM 540	Procurement for Logistics Managers	3
SCLM 550	Production and Material Control	3
SCLM 560	Transportation	3
SCLM 692	Logistics and Supply Chain Management Simulation	3
Total Credits		21

Specializations or Open Electives

Enterprise Resource Planning

SCLM 600	Enterprise Process Integration using SAP S/4 HANA	3
SCLM 630	Enterprise Process Configuration using SAP S/4 HANA	3
BUAN 524	Applied Business Intelligence and Analytics	3

Agile Project Management

PMGT 500	Foundations of Project Management	3
PMGT 575	Agile Project Management Professional	3
PMGT 675	Advanced Agile Project Management Professional	3

Project Management

PMGT 500	Foundations of Project Management	3
PMGT 550	Project Management Professional	3
PMGT 650	Advanced Project Management Professional	3

Business Intelligence and Analytics

BUAN 522	Business Analytics, Social Network and Web Analytics	3
BUAN 523	Data Mining for Business Analytics	3
BUAN 524	Applied Business Intelligence and Analytics	3

Open Electives

Students may choose Open Electives instead of a Specialization	9
Graduate credit hours from the ERAU system or transfer credit	
Total Credits	9

Suggested Plan of Study

One Year Plan

Year One

Requirements	Credits
SCLM 500 - Introduction to Supply Chain Management and the Profession	3
SCLM 511 - Operations Research	3
Semester Hours	6

Requirements	Credits
SCLM 540 - Procurement for Logistics Managers	3

SCLM 550 - Production and Material Control	3
Semester Hours	6
Requirements	Credits
SCLM 560 - Transportation Specialization	3
Semester Hours	6
Requirements	Credits
AVMG 630 - Aviation/Aerospace Systems Analysis Specialization	3
Semester Hours	6
Requirements	Credits
Specialization	3
SCLM 692 - Logistics and Supply Chain Management Simulation	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Two Year Plan

Year One

Requirements	Credits
SCLM 500 - Introduction to Supply Chain Management and the Profession	3
Semester Hours	3
Requirements	Credits
SCLM 540 - Procurement for Logistics Managers	3
Semester Hours	3
Requirements	Credits
SCLM 550 - Production and Material Control	3
Semester Hours	3
Requirements	Credits
SCLM 560 - Transportation	3
Semester Hours	3
Requirements	Credits
SCLM 511 - Operations Research	3
Semester Hours	3

Total Credits

Total Hours for All Requirements: 15

Year Two

Requirements	Credits
AVMG 630 - Aviation/Aerospace Systems Analysis	3
Semester Hours	3
Requirements	Credits
Specialization	3
Semester Hours	3

Requirements	Credits
Specialization	3
Semester Hours	3
Requirements	Credits
Specialization	3
Semester Hours	3
Requirements	Credits
SCLM 692 - Logistics and Supply Chain Management Simulation	3
Semester Hours	3

Total Credits

Total Hours for All Requirements: 15

Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (<https://catalog.erau.edu/student-life/student-affairs/california-student/>)