

Business Administration, Operations and Supply Chain Management Concentration, BS

The Operations and Supply Chain Management (OSCM) concentration, offered by the [School of Global Innovation and Leadership](#), prepares graduates with state-of-the-art knowledge of managing operations in a global context. The focus will be on contemporary issues related to operations function which are of relevance in a firm's ability to effectively collaborate with its supply chain partners in order to remain competitive in a global economy. The OSCM concentration prepares students for careers with global manufacturing, service, and consulting organizations by offering a variety of courses in management of materials, quality, supply chains, services, global projects, and operations strategy. As part of this concentration, students have an opportunity to interact with OSCM-related industry professionals as facilitated by the Global Operations Management Association, an OSCM-affiliated student club at SJSU. They can also work on real-world consulting projects or explore internships in operations as facilitated by Silicon Valley Center of Operations and Technology Management.

- [Program Learning Outcomes](#)

Summary of Degree Units

University Graduation Requirements	38
Major Preparation	15
Major Core Requirements	43
Concentration Requirements	21
University Electives	3
Total	120

Program Roadmaps

The 4-Year [Roadmap](#) is available online. Roadmaps should be used in consultation with the catalog and your advisor to identify additional requirements for completing the major (for example, course grade minimums). [Associate Degrees \(ADT\) Pathways](#) are also available online.

Major-Specific Graduation Requirements

All courses in the Concentration Requirements for Operations and Supply Chain Management must be completed with a grade of "C- or better". The following Preparation for the Major and Required for the Major courses must be completed with a grade of "C or better": [ENGL 2](#), [MATH 70](#), [BUS1 20](#), [BUS2 90](#).

University Requirements

Students must satisfy all of the major and [Undergraduate University Graduation Requirements](#), which includes unit, GPA, and residency requirements as well as the below identified [General Education](#), American Institutions, Graduation Writing Assessment, and Physical Education requirements. Courses that meet Undergraduate University Graduation Requirements are noted with an area designation (see [Course Abbreviations](#)).

Core Lower Division General Education (27 units)

Of the 39 units required by the university, 12 units may be satisfied by coursework outlined below. Courses that meet GE Areas A1, A2, A3, B4, or F must be passed with a "C-" or better to meet the requirement. Consult with a major advisor for details.

Note: Students who have completed the ADT Transfer degree (under SB 1440) for this major will have completed all lower division GE requirements and should follow the 60 unit guarantee roadmap. Meet with an advisor

prior to registering for your first semester for the 60 unit roadmap or specific questions.

Upper Division General Education (3 units)

Of the 9 units required by the university, 6 units may be satisfied by coursework outlined below. Consult with major advisor for details.

American Institutions (6 units)

Complete one 6-unit sequence of American Institutions (US123) courses, which also satisfies GE Area D. Students may also satisfy the [American Institutions Requirement](#) with other courses, but these may not satisfy other GE areas.

The American Studies sequence ([AMS 1A/AMS 1B](#); 12 units) or Humanities Honors course ([HUM 2B](#); 6 units) satisfies the American Institutions Requirement and additional GE Areas (see course descriptions for details).

Consult with a major advisor to select the appropriate sequence.

African American Studies (6 units)

- [AFAM 2A - African Americans and the Development of America's History and Government 3 unit\(s\) \(D\)](#)
- [AFAM 2B - African Americans and the Development of America's History and Government 3 unit\(s\) \(D+US123\)](#)

Asian American Studies (6 units)

- [AAS 33A - Asian Americans in U.S. History I 3 unit\(s\) \(D\)](#)
- [AAS 33B - Asian Americans in U.S. History II 3 unit\(s\) \(D+US123\)](#)

Chicana and Chicano Studies (6 units)

- [CCS 10A - Mexican Americans and the Development of U.S. History and Government 3 unit\(s\) \(D\)](#)
- [CCS 10B - Mexican Americans and the Development of U.S. History and Government 3 unit\(s\) \(D+US123\)](#)

U.S. History and Government (6 units)

Complete One US1: US History Course

- [AMS 10 - Stories that Make America 3 unit\(s\) \(C2+US1\)](#)
- [HIST 15 - Essentials of U.S. History 3 unit\(s\) \(D+US1\)](#)
- [HIST 170S - Topics in American History: American Identities and Institutions 3 unit\(s\) \(S+US1\)](#)

Complete One US23: US Constitution and California Government Course

- [AMS 11 - Visions of Democracy 3 unit\(s\) \(D+US23\)](#)
- [POLS 15 - Essentials of U.S. & California Government 3 unit\(s\) \(D+US23\)](#)
- [POLS 16 - Power and Ideas in American Politics 3 unit\(s\) \(C2+US23\)](#)
- [POLS 170V - American Politics in Global Perspective 3 unit\(s\) \(V+US23\)](#)

Physical Education (2 units)

All SJSU undergraduate students, regardless of major, have an opportunity to expand their knowledge and skills in physical activities. To accommodate students' needs and interests, the university offers a [diverse selection of activity courses](#).

Graduation Writing Assessment Requirement

At SJSU, students must pass a Writing in the Disciplines (100W) course with a grade of C or better (C- not accepted) to meet graduation requirements. For this major, the [Graduation Writing Assessment Requirement \(GWAR\)](#) is satisfied by a course in the major.

Major Preparation (15 units)

- [ECON 1A - Principles of Economics: Macroeconomics](#) 3 unit(s)
- [ECON 1B - Principles of Economics: Microeconomics](#) 3 unit(s) (D)
- [ENGL 2 - Critical Thinking and Writing](#) 3 unit(s) (A3) (or equivalent.)
- [MATH 70 - Mathematics for Business](#) 3 unit(s) (B4) (Students who complete any of the following with a C or better may substitute it for [MATH 70](#): [MATH 30](#), [30X](#), [3L](#), [31X](#), [32](#), [32X](#), [70X](#), [7L](#), or [71X](#).)

Writing in the Disciplines (3 units)

- [COMM 100W - Writing Workshop: Writing for Influence](#) 3 unit(s) (WID)
- [ENGL 100WB - Written Communication: Business](#) 3 unit(s) (WID)
- [LLD 100WB - Writing Workshop for Business Students](#) 3 unit(s) (WID)

Major Requirements (64 units)

Core Courses (43 units)

Lower Division Courses (13 units)

- [BUS1 20 - Financial Accounting](#) 3 unit(s)
- [BUS1 21 - Managerial Accounting](#) 3 unit(s)
- [BUS3 80 - Legal Environment of Business](#) 3 unit(s)
- [BUS2 90 - Business Statistics](#) 3 unit(s) (Transfer students with [STAT 95](#) (C or better) may use this in lieu of [BUS2 90](#).)
- [BUS4 91L - Computer Tools for Business](#) 1 unit(s)

Upper Division Business Fundamentals Courses (15 units)

- [BUS1 170 - Fundamentals of Finance](#) 3 unit(s)
- [BUS2 130 - Introduction to Marketing](#) 3 unit(s)
- [BUS2 190 - Quantitative Business Analysis](#) 3 unit(s)
- [BUS3 160 - Fundamentals of Management and Organizational Behavior](#) 3 unit(s)
- [BUS5 140 - Fundamentals of Operations Management](#) 3 unit(s)

Upper Division Business Integration and Perspectives Courses (15 units)

- [BUS5 187 - Global Dimensions of Business](#) 3 unit(s)
- [BUS4 188 - Business Systems and Policy](#) 3 unit(s)
- [BUS3 189 - Strategic Management](#) 3 unit(s)
- [PHIL 186 - Professional and Business Ethics](#) 3 unit(s) (S)
- One non-business global perspectives course in Area V 3 unit(s)

Concentration Requirements (21 units)

All concentration courses must be passed with a C- or better.

Required Courses (15 units)

- [BUS5 142 - Total Quality Management](#) 3 unit(s)
- [BUS5 144 - Supply Chain Management](#) 3 unit(s)
- [BUS5 146 - Fundamentals of Project Management](#) 3 unit(s)

Complete Two Courses From:

- [BUS5 141 - Procurement and Supply Management](#) 3 unit(s)
- [BUS5 142B - Business Process Management](#) 3 unit(s)
- [BUS5 144B - Operations & Supply Chain Analytics](#) 3 unit(s)
- [BUS5 145 - Operations & Supply Chain Strategy](#) 3 unit(s)
- [BUS5 147 - Service Operations Management](#) 3 unit(s)

Concentration Electives (6 units)

Complete two courses from the following list or from required courses listed above if not already counted:

- [BUS2 131A - Business to Business Marketing](#) 3 unit(s)
- [BUS3 153 - Management of Diversity](#) 3 unit(s)
- [BUS5 141B - Transportation & Supply Chain Logistics](#) 3 unit(s)
- [BUS5 145B - Healthcare Operations Management](#) 3 unit(s)
- [BUS5 148 - Sustainable Operations Management](#) 3 unit(s)
- [BUS5 162 - International and Comparative Management](#) 3 unit(s)
- [BUS5 163A - Negotiating Globally](#) 3 unit(s)
- [BUS5 163B - Business and Innovation in Emerging Economies](#) 3 unit(s)
- [BUS5 165A - Global Leadership](#) 3 unit(s)
- [BUS5 167 - Managing Environmental Issues](#) 3 unit(s)
- [BUS5 169A - Honors Seminar](#) 3 unit(s)
- [BUS5 169B - Honors Practicum in Organization and Management](#) 3 unit(s)
- [BUS5 183 - Global Entrepreneurship](#) 3 unit(s)
- [BUS5 184A - Management of Innovation](#) 3 unit(s)

University Electives (3 units)

Total Units Required (120 units)

Business Administration, Operations and Supply Chain Management Concentration, BS (2023-2024)

The following roadmap is a sample advising map to complete the degree program in four years. Please consult your [MyPlanner](#) and [major advisor](#) as you develop your individualized academic plan. Students must have completed 60+ units in order to enroll in SJSU Studies courses.

[Year 1](#) | [Year 2](#) | [Year 3](#) | [Year 4](#)

Year 1

Fall Semester (15 units)

- [ECON 1B - Principles of Economics: Microeconomics 3 unit\(s\) \(D\)](#) ¹
- [ENGL 1A - First Year Writing 3 unit\(s\) \(A2\)](#)
- [GE Area A1 3 unit\(s\)](#)
- [GE Area C1 3 unit\(s\)](#)
- [BUS3 12 - Managing My life 3 unit\(s\) \(E\)](#)

Spring Semester (15 units)

- [ECON 1A - Principles of Economics: Macroeconomics 3 unit\(s\)](#) ¹
- [ENGL 2 - Critical Thinking and Writing 3 unit\(s\) \(A3\)](#) ²
- [MATH 70 - Mathematics for Business OR MATH 70X - Mathematics for Business 3 unit\(s\) \(B4\)](#) ²
Note: MATH 70X requires enrollment in [MATH 70W](#).
- [GE Area F 3 unit\(s\)](#)
- [GE Area C2 3 unit\(s\)](#)

Year 2

Fall Semester (14 units)

- [BUS3 80 - Legal Environment of Business 3 unit\(s\)](#)
- [BUS1 20 - Financial Accounting 3 unit\(s\)](#) ⁴
- [GE Area D + US123 3 unit\(s\)](#) ³
- [GE Area B1+B3 3 unit\(s\)](#) *
- [BUS4 91L - Computer Tools for Business 1 unit\(s\)](#)
- Physical Education 1 unit(s)
- Complete the [Upper Division Writing - Directed Self Placement](#)

Spring Semester (16 units)

- [BUS2 90 - Business Statistics 3 unit\(s\)](#) ⁴
- [BUS1 21 - Managerial Accounting 3 unit\(s\)](#)

- GE Area D + US123 3 unit(s) ³
- GE Area B2+B3 3 unit(s) *
- GE Area C1 or C2 3 unit(s)
- Physical Education 1 unit(s)

Note: Complete 60 units to reach Upper Division Standing.

Year 3

Fall Semester (15 units)

- BUS2 130 - Introduction to Marketing 3 unit(s)
- BUS5 140 - Fundamentals of Operations Management 3 unit(s)
- BUS3 160 - Fundamentals of Management and Organizational Behavior 3 unit(s)
- COMM 100W - Writing Workshop: Writing for Influence, ENGL 100WB - Written Communication: Business, OR LLD 100WB - Writing Workshop for Business Students 3 unit(s) (WID) ⁵
- SJSU Studies Area V 3 unit(s) ⁶

Note: Area V also fulfills Non-Business Global Perspectives (a major requirement).

Spring Semester (15 units)

- BUS5 142 - Total Quality Management 3 unit(s) ⁷
- BUS5 144 - Supply Chain Management 3 unit(s) ⁷
- BUS1 170 - Fundamentals of Finance 3 unit(s)
- BUS5 187 - Global Dimensions of Business 3 unit(s)
- BUS3 186/PHIL 186 - Professional and Business Ethics 3 unit(s) (V) ⁶

Note: BUS3/PHIL 186 is a major requirement.

- Apply to Graduate

Year 4

Fall Semester (15 units)

- BUS5 146 - Fundamentals of Project Management 3 unit(s) ⁷
- Global Operations Management Required Course #1 3 unit(s) ⁷
- Global Operations Management Elective #1 3 unit(s) ⁷
- BUS4 188 - Business Systems and Policy 3 unit(s)
- BUS2 190 - Quantitative Business Analysis 3 unit(s)

Spring Semester (15 units)

- BUS3 189 - Strategic Management 3 unit(s)
- Global Operations Management Required Course #2 3 unit(s) ⁷
- Global Operations Management Elective #2 3 unit(s) ⁷
- SJSU Studies Area R 3 unit(s) ⁶
- University Elective - Lower or Upper Division 3 unit(s) ⁸

Roadmap Notes

¹ Preparation for the Major

² Preparation for the Major and a "C" grade or better

³ Consult an advisor to determine your best option

⁴ Course requires a "C" grade or better

⁵ Prerequisite Pass WST and a "C" grade or better is required

⁶ Prerequisite Pass WST

⁷ Course requires a "C-" grade or better

⁸ If needed to reach 120 units, students may take any course

* Either B1 or B2 must be taken with a B3 - Laboratory.

L = Lab; X = supplemental workshop required; W = Writing; WB = Writing for Business
