

PROJECT AND SUPPLY CHAIN MANAGEMENT, B.S. (ABINGTON)

Begin Campus: Any Penn State Campus

End Campus: Abington

Program Description

The Project and Supply Chain Management major concentrates on developing knowledge, skills, and abilities in both project and supply chain management, dynamic and important disciplines in modern corporations. Project management skills include the development of new projects, and coordinating procurement and project delivery systems. Supply chain management emphasizes the integration of manufacturing and service operations, logistics, purchasing, and distribution that enable organizations to develop value-creating supply chain networks. The major provides students with an opportunity to develop the quantitative and people skills necessary to design and operate today's complex management systems. Students learn how to manage critical components in organizational supply chains, and apply business analytic methods for organizing and fully integrating supply chain practices throughout the organization.

Graduates are uniquely well-prepared for careers in some of the highest in-demand professions in the modern business and government environments, managing the supply chain and project initiatives in world-class business firms, public sector organizations, construction, IT organizations, third-party logistics providers, and goods and services distribution operations.

What is Project and Supply Chain Management?

It has been estimated that well over half of all activities in modern corporations are project-based. From developing a new product to constructing a new building, the list of efforts that organizations must plan, manage, and deliver (ideally on time and under budget) is nearly endless. At the same time, globalization creates a growing need for professionals who can effectively manage complex supply chains. The study of project and supply chain management emphasizes the integration of manufacturing and service operations, logistics, purchasing, and distribution—the functions that enable organizations to cultivate value-creating supply chain networks.

You Might Like This Program If...

- You're not intimidated by large projects, or ones that have many moving parts.
- You are detail oriented.
- You are looking for a versatile, in-demand business degree.
- You are interested in pursuing a concurrent certificate in Enterprise Resource Planning (ERP) with SAP (available at Erie, the Behrend College and University College campuses, Beaver, Brandywine, Fayette, Greater Allegheny, Lehigh Valley, New Kensington, Schuylkill, Shenango, Wilkes-Barre and Scranton).

Entrance to Major

Entry to the Project and Supply Chain Management major requires the successful completion of 5 entry-to-major courses: ACCTG 211, ECON 102, ENGL 15 or ENGL 30H, MATH 110 or MATH 140, STAT 200 or SCM 200. Each course requires a C or better grade for successful completion.

Degree Requirements

For the Bachelor of Science degree in Project and Supply Chain Management, a minimum of 120 credits is required:

Requirement	Credits
General Education	45
Requirements for the Major	96

21 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GQ courses; 6 credits of GS courses; 9 credits of GWS courses.

Per Senate Policy 83.80.5, the college dean or campus chancellor and program faculty may require up to 24 credits of coursework in the major to be taken at the location or in the college or program where the degree is earned.

Requirements for the Major

Each student must earn at least a grade of C in each 300- and 400-level course in the major field.

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
Prescribed Courses		
PSU 7	First-Year Seminar Behrend	1
<i>Prescribed Courses: Require a grade of C or better</i>		
ACCTG 211	Financial and Managerial Accounting for Decision Making	4
CAS 100	Effective Speech	3
ECON 102	Introductory Microeconomic Analysis and Policy	3
ECON 104	Introductory Macroeconomic Analysis and Policy	3
ENGL 202D	Effective Writing: Business Writing	3
FIN 301	Corporation Finance	3
MGMT 301	Basic Management Concepts	3
MGMT 341	Human Resource Management	3
MGMT 418	Project Planning and Resource Management	3
MIS 204	Introduction to Management Information Systems	3
MKTG 301	Principles of Marketing	3
SCM 301	Supply Chain Management	3
SCM 445	Operations Planning and Control	3
SCM 460	Purchasing and Materials Management	3
Additional Courses		
BA 241 & BA 242 or BA 243	Legal Environment of Business and Social and Ethical Environment of Business Social, Legal, and Ethical Environment of Business	4

<i>Additional Courses: Require a grade of C or better</i>		
ENGL 15	Rhetoric and Composition	3
or ENGL 30H	Honors Rhetoric and Composition	
MATH 110	Techniques of Calculus I	4
or MATH 140	Calculus With Analytic Geometry I	
SCM 200	Introduction to Statistics for Business	4
or STAT 200	Elementary Statistics	
MGMT 410	Project Management	3
or BA 421	Project Management	
MGMT 415	Project Portfolio Management and Organizations	3
or SCM 416	Warehousing and Terminal Management	
SCM 320	Transport Systems	3
or SCM 455	Logistics Systems Analysis and Design	
Select 3 credits from the following:		3
BA 364Y	International Business and Society	
ECON 470	International Trade and Finance	
FIN 471	International Finance	
IB 303	International Business Operations	
MGMT 461	International Management	
MKTG 445	Global Marketing	
Other 300- or 400-level international business courses		
Select 6 credits of 300- or 400-level courses such as MIS 404 and MGMT 430		6
Select 3 credits from the following:		3
ECON 481	Business Forecasting Techniques	
MIS 336	Database Management Systems	
MIS 301	Business Analytics	
SCM 340	Introduction to Supply Chain Analytics	
Select 3 credits from:		3
BA 422W	Strategic Business Planning	
BA 462	Business Strategy	
MGMT 471W	Strategic Management and Business Policy	

Supporting Courses and Related Areas

Select 13 credits from any business major field or any non-business major field, except for all KINES (GHW) courses, any ENGL course below ENGL 15, and any MATH course below MATH 110. Exceptions may be petitioned through the applicable department chair.

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

- Arts (GA): 3 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 3 credits
- Social and Behavioral Sciences (GS): 3 credits
- Natural Sciences (GN): 3 credits

Integrative Studies

- Inter-Domain Courses (Inter-Domain): 6 credits

Exploration

- GN, may be completed with Inter-Domain courses: 3 credits
- GA, GH, GN, GHW, Inter-Domain courses. This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher: 6 credits

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements

- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or

within time constraints (see Senate Policy 83-80 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.

Program Learning Objectives

- Develop business skills and abilities to communicate effectively in both speech and writing.
- Demonstrate strong leadership and teamwork skills necessary for managing modern businesses.
- Demonstrate the ability to think critically and solve problems in the business environment.
- Demonstrate an awareness of ethical issues, social responsibilities, sustainability, and conflict resolution.
- Demonstrate the knowledge and skills necessary for managing modern businesses with the focus of designing and managing modern supply chain networks, including integrated operations, manufacturing, logistics, purchasing and distribution for value-creating, ERP-supported networks.
- Demonstrate the knowledge, skills, and abilities of organizing and managing projects in modern organizations. These project management skills include project portfolio management, scheduling and coordinating resources, planning and controlling projects, and risk and change management.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

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Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Project and Supply Chain Management, B.S. at Abington Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall	Credits Spring	Credits
ENGL 15 or 30H (GWS) ^{*††1}	3 CAS 100A (GWS) ^{*††}	3
MATH 110 (GQ) ^{*†#†1}	4 STAT 200 or SCM 200 (GQ) ^{*††1}	4
ECON 102 (GS) ^{#†1}	3 General Education Course (US) ²	3
General Education Course	3 General Education Course	3
PSU 1, 6, or 8	1 General Education Course	3
	14	16

Second Year

Fall	Credits Spring	Credits
ACCTG 211 ^{#1}	4 ENGL 202D (GWS) ^{*††}	3
General Education Course	3 FIN 301 [*]	3
MIS 204 [*]	3 BA 243	4
ECON 104 (GS) [†]	3 MKTG 301 [*]	3
MGMT 301 [*]	3 SCM 301 [*]	3
	16	16

Third Year

Fall	Credits Spring	Credits
BA 321 ^{*3}	3 BA 322 ^{*3}	3
General Education Course	3 IB 303 (UL) ² , MGMT 461, or MKTG 445	3
MIS 404 (or Supporting Course)	3 MGMT 341 [*]	3
SCM 445 [*]	3 MIS 301 or SCM 340 [*]	3
Supporting Course ⁴	3 BA 421 [*]	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
MGMT 415 [*]	3 BA 422W	3
SCM 460 [*]	3 MGMT 418 [*]	3
Supporting Course ⁴	3 SCM 455 [*]	3
Supporting Course ⁴	3 General Education Course	3

General Education Course	3 Supporting Course ⁴	1-3
	15	13-15

Total Credits 120-122

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

¹ ETMs include ACCTG 211, ECON 102, ENGL 15 or ENGL 30H, MATH 110 or MATH 140, STAT 200 or SCM 200, GPA 2.0 or higher

² Students must complete 3 credits of U.S. cultures (US) and 3 credits of international cultures (IL).

³ BA 321 and BA 322 qualify for 6 credits towards the Business Supporting Area for the degree. They are offered regularly and fulfill the prerequisite requirements for BA 421 and BA 422W.

⁴ 13 credits of approved supporting courses include courses in these areas: Management, Accounting, Marketing, and Finance. It's recommended that students include MIS 404 in this category, as this course fulfills the requirements for the ERP certificate with SAP. Any course at the 300-400 level in this category requires a grade of C or higher. The following courses do not meet this supporting courses requirement: KINES, ENGL 1-15, MATH 1-140, ACCTG 151, 152, ECON 14, FIN 100, 108, MGMT 100, MIS 103. Please consult with your adviser to discuss the regularly offered courses which meet this requirement.

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

Program Notes:

Suggested Academic Plans do not replace the official university degree audit in LionPATH. A minimum of 120 credits are required for graduation. Consult with your adviser when scheduling courses.

Career Paths

The B.S. in Project and Supply Chain Management is one of only a handful of undergraduate degree programs in this field. Graduates are uniquely prepared to work in project-intensive industries such as construction, insurance, information services and information technology, manufacturing, utilities, pharmaceuticals, third-party logistics, and goods and services distribution operations.

Careers

Employers of recent B.S. in Project and Supply Chain Management graduates include Logistics Plus, Parker Hannifin, Bechtel Plant Machinery, American Eagle, Frito Lay, FairPoint Communications, Pitney

Bowes, Spynne, General Electric, Wabtec Railway Electronics, Business Resource Group, Modern Industries, Eddie Bauer, Ferguson Enterprises, Unisys, Eastman Kodak, Tyco Electronics, and IBM.

Opportunities for Graduate Studies

The B.S. in Project and Supply Chain Management can be a starting point for master's- and doctoral-level study of supply chain management, project management, management science, law, organizational behavior, corporate strategy, enterprise architecture, information technology, or another specialized discipline.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES

Professional Resources

- Project Management Institute (<https://www.pmi.org>)

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<https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-project-and-supply-chain-management-bachelor-of-science-degree> (<https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-project-and-supply-chain-management-bachelor-of-science-degree/>)

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