

# PROJECT AND SUPPLY CHAIN MANAGEMENT, B.S. (CAPITAL)

**Begin Campus:** Any Penn State Campus

**End Campus:** Harrisburg

## 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, 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 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
<b>Prescribed Courses</b>		
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
<b>Additional Courses</b>		
BA 241 & BA 242 or BA 243	Legal Environment of Business and Social and Ethical Environment of Business or Social, Legal, and Ethical Environment of Business	4
<i>Additional Courses: Require a grade of C or better</i>		
ENGL 15 or ENGL 30H	Rhetoric and Composition or Honors Rhetoric and Composition	3
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. 13

### 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.)

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

#### Knowledge Domains

- **Arts (GA):** 6 credits
- **Health and Wellness (GHW):** 3 credits
- **Humanities (GH):** 6 credits
- **Social and Behavioral Sciences (GS):** 6 credits
- **Natural Sciences (GN):** 9 credits

#### Integrative Studies (may also complete a Knowledge Domain requirement)

- **Inter-Domain or Approved Linked Courses:** 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 (<http://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.

## Integrated B.S. in Project and Supply Chain Management and M.B.A. in Business Administration

*Available at the following campuses: Harrisburg*

Requirements for the Integrated B.S. in Project and Supply Chain Management and M.B.A. in Business Administration can be found in the Graduate Bulletin (<https://bulletins.psu.edu/graduate/programs/majors/business-administration-capital/#integratedundergradgradprogramstext>).

## Program Learning Objectives

Student graduates of our baccalaureate degree programs should be:

1. Effective communicators
  - a. Present verbally, thoughts and ideas in a way that can be clearly understood by a target audience.
  - b. Convey ideas in a clear, coherent manner in written communication.
2. Ethical and socially responsible
  - a. Be competent in analyzing social and ethical decision making issues in organizations.
3. Critical thinkers
  - a. Be able to think and identify multiple dimensions of company issues and performances and make an assessment of company performances in achieving financial and strategic objectives, tracking their achievements, and giving management of companies a more complete and balanced view of how the organization is performing.
4. Competent in their own discipline
  - a. Calculate reorder point and EOQ for continuous review system as well as annual inventory holding costs and ordering cost. Calculate order-up-to amount for periodic review system.
  - b. Calculate the critical path for a project.
  - c. Explain the functions and flows of the SCOR Model and how they interact.

## 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 2022-23 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 Harrisburg 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 <sup>‡</sup> #	3 CAS 100 <sup>‡</sup>	3
MATH 110 or 140 <sup>#†</sup>	4 STAT 200 or SCM 200 <sup>#†</sup>	4
General Education Course	3 MGMT 301 <sup>*</sup>	3
ECON 102 <sup>#†</sup>	3 General Education Course	3
General Education Course	1.5 General Education Course	3
<b>14.5</b>		<b>16</b>

### Second Year

Fall	Credits Spring	Credits
ACCTG 211 <sup>#</sup>	4 FIN 301 <sup>*</sup>	3
MKTG 301 <sup>*</sup>	3 ECON 104 <sup>†</sup>	3
MIS 204	3 ENGL 202D <sup>‡</sup>	3
General Education Course	3 SCM 301 <sup>*</sup>	3
General Education Course	3 Elective	1
<b>16</b>		<b>13</b>

### Third Year

Fall	Credits Spring	Credits
MGMT 410 <sup>*</sup>	3 SCM 460 <sup>*</sup>	3
SCM 320 <sup>*</sup>	3 SCM 445 <sup>*</sup>	3
MIS 301 <sup>*</sup>	3 MGMT 418 <sup>*</sup>	3
Supporting Course	4 Supporting Course	3
General Education Course	1.5 300-400 Level Business Elective	3
<b>14.5</b>		<b>15</b>

### Fourth Year

Fall	Credits Spring	Credits
BA 364Y <sup>*†</sup>	3 BA 462 <sup>*</sup>	3
BA 241	2 MGMT 341 <sup>*</sup>	3
BA 242	2 General Education Course	3
SCM 416 <sup>*</sup>	3 Supporting Course	3
Supporting Course	3 300-400 Level Business Elective	3
General Education Course	3	
<b>16</b>		<b>15</b>

### Total Credits 120

\* 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

<sup>1</sup> Supporting Course: Skills Enhancement, this component of the degree program consists of 12 credits that provide students with an opportunity to pursue course work related to their career interests.

Students should select their courses (in consultation with an adviser) from the Supporting Courses list below.

#### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

#### Advising Notes

- 30 Credits of GA, GH, GHW, GN, GS to include 6 Integrative Studies credits.
- 15 Credits of GQ and GWS require a grade of "C" or better
- Courses required for the major must generally be taken within 10 years of Entrance to Major.

#### supporting courses

Select 13 credits from any business major field or any non-business major field. Courses which are excluded as supporting courses are all KINES courses which are designated as GHW, any ENGL course below ENGL 15, and any MATH course below MATH 110.

## 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/>)

## Accreditation

The B.S. in Project and Supply Chain Management offered by the School of Business Administration at Penn State Harrisburg, the Capital College, is accredited by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB's mission is to foster engagement, accelerate innovation, and amplify impact in business education. Synonymous with the highest standards of excellence since 1916, AACSB provides quality assurance, business education intelligence, and professional development services to over 1,600 member organizations and more than 800 accredited business schools worldwide. AACSB International (AACSB) connects educators, students, and business to achieve a common goal: to create the next generation of great leaders.

MORE INFORMATION ABOUT AACSB INTERNATIONAL (<https://www.aacsb.edu/>)

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