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:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>96</td>
</tr>
</tbody>
</table>

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.

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.

**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).

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<tr>
<th>Code</th>
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<tr>
<td>PSU 7</td>
<td>First-Year Seminar Behrend</td>
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<tr>
<td>ACCTG 211</td>
<td>Financial and Managerial Accounting for Decision Making</td>
<td>4</td>
</tr>
<tr>
<td>CAS 100</td>
<td>Effective Speech</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Introductory Microeconomic Analysis and Policy</td>
<td>3</td>
</tr>
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<td>ECON 104</td>
<td>Introductory Macroeconomic Analysis and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 202D</td>
<td>Effective Writing: Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 301</td>
<td>Basic Management Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 341</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 418</td>
<td>Project Planning and Resource Management</td>
<td>3</td>
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</tbody>
</table>

**Prescribed Courses: Require a grade of C or better**

- 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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BA 241</td>
<td>Legal Environment of Business</td>
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</tr>
<tr>
<td>BA 242</td>
<td>and Social and Ethical Environment of Business</td>
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</tr>
<tr>
<td>or BA 243</td>
<td>Social, Legal, and Ethical Environment of Business</td>
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**Additional Courses: Require a grade of C or better**

- ENGL 15 Rhetoric and Composition 3
- or ENGL 30H Honors Rhetoric and Composition 3
- MATH 110 Techniques of Calculus I 4
- or MATH 140 Calculus With Analytic Geometry I 4
- SCM 200 Introduction to Statistics for Business 4
- or STAT 200 Elementary Statistics 4
- MGMT 410 Project Management 3
- or BA 421 Project Management 3
- MGMT 415 Project Portfolio Management and Organizations 3
- or SCM 416 Warehousing and Terminal Management 3
- SCM 320 Transport Systems 3
- or SCM 455 Logistics Systems Analysis and Design 3

Select 3 credits from the following:

- BA 364Y International Business and Society 3
- ECON 470 International Trade and Finance 3
- FIN 471 International Finance 3
- IB 303 International Business Operations 3
- MGMT 461 International Management 3
- MKTG 445 Global Marketing 3

Other 300- or 400-level international business courses 6

Select 6 credits of 300- or 400-level courses such as MIS 404 and MGMT 430 6

Select 3 credits from:

- ECON 481 Business Forecasting Techniques 3
- MIS 336 Database Management Systems 3
- MIS 301 Business Analytics 3
- SCM 340 Introduction to Supply Chain Analytics 3

Select 3 credits from:

- BA 422W Strategic Business Planning 3
- BA 462 Business Strategy 3
- MGMT 471W Strategic Management and Business Policy 3

**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.

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

Available at the following campuses: Harrisburg
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 holding 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/)

Harrisburg
Dinesh R. Pai, Ph.D.
Program Coordinator
Olmsted Building, E356
Middletown, PA 17057
717-948-6643
drp18@psu.edu

Abington
Kevin Mayhew

Lecturer, Business
1600 Woodland Rd.
Abington, PA 19001
215-421-0030
kmm730@psu.edu

Beaver
Andrea Patrucco
Assistant Professor Project and Supply Chain Management
100 University Drive
Monaca, PA 15061
724-773-3591
asp72@psu.edu

Brandywine
Christina Olear
Lecturer, Accounting
25 Yearsley Mill Road
Media, PA 19063
610-892-1451
como16@psu.edu

Erie
Carol Putman
Assistant Teaching Professor of Management
293 Burke
Erie, PA 16563
814-898-7271
cld112@psu.edu

Fayette
William Gardner
Assistant Teaching Professor
2201 University Drive
Lemont Furnace, PA 15456
724-430-4245
wsg3@psu.edu

Greater Allegheny
Advising Office
Academic Affairs
101 Frable Building
4000 University Drive
McKeesport, PA 15132
412-675-9140
GA-Academics@lists.psu.edu

Lehigh Valley
Maung Min
Director of Business Programs
2809 Saucon Valley Road
Center Valley, PA 18034
610-285-5117
maungkmin@psu.edu

Mont Alto
Michael Doncheski
Chief Academic Officer
1 Campus Drive
Mont Alto, PA 17237
717-749-6050
### 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

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<th>Semester</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
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<tr>
<td></td>
<td>ENGL 15 or 30H‡</td>
<td>CAS 100†</td>
</tr>
<tr>
<td></td>
<td>MATH 110 or 140‡†</td>
<td>STAT 200 or SCM 200‡†</td>
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<td>General Education Course</td>
<td>3 MGMT 301*</td>
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<tr>
<td></td>
<td>ECON 102‡†</td>
<td>3 General Education Course</td>
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<td>General Education Course</td>
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#### Second Year

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<td></td>
<td>MKTG 301*</td>
<td>ECON 104†</td>
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<tr>
<td></td>
<td>MIS 204</td>
<td>ENGL 202D‡</td>
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#### Third Year

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<td>MGMT 410*</td>
<td>SCM 460‡</td>
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<tr>
<td></td>
<td>SCM 320*</td>
<td>SCM 445‡</td>
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<td></td>
<td>MIS 301*</td>
<td>MGMT 418*</td>
</tr>
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<td></td>
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<td>4 Supporting Course</td>
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<td>General Education Course</td>
<td>1.5 300-400 Level Business Elective</td>
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<td>14.5</td>
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#### Fourth Year

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<tbody>
<tr>
<td></td>
<td>BA 364Y†</td>
<td>BA 462*</td>
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<tr>
<td></td>
<td>BA 241</td>
<td>MGMT 341*</td>
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<td>BA 242</td>
<td>2 General Education Course</td>
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<td>SCM 416*</td>
<td>3 Supporting Course</td>
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</table>

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

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mad10@psu.edu

**New Kensington**

Adrian Tan  
Assistant Professor  
3550 Seventh Street Rd.  
New Kensington, PA 15068  
724-334-6158  
act29@psu.edu

**Schuylkill**

Kathleen Fabrizi  
Program Coordinator  
200 University Drive  
Schuylkill Haven, PA 17972  
570-385-6000  
kpf5264@psu.edu

**Scranton**

James Wilkerson  
Assistant Teaching Professor  
Business Building 117  
Dunmore, PA 18512  
570-963-2643  
jmw831@psu.edu

**Shenango**

Yiwei Huang  
Assistant Professor, Program Coordinator  
147 Sharon Ave.  
309D Sharon Hall  
Sharon, PA 16146  
724-983-2806  
yuh201@psu.edu

**Wilkes-Barre**

Justin Goldston  
Program Coordinator, Project and Supply Chain Management  
44 University Drive  
Dallas, PA 18612  
570-675-9291  
jlg566@psu.edu

**York**

Ali Kara  
Professor of Business Administration  
206 Grumbacher Building (GISTC)  
1031 Edgecomb Ave.  
York, PA 17403  
717-771-4189  
axk19@psu.edu

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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 2021-22 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 contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).
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 Frito Lay, Fairpoint Communications, Pitney Bowes, Spyne, General Electric, Webtec 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 business administration, law, organizational behavior, corporate strategy, enterprise architecture, information technology, or another specialized discipline.

Professional Resources

- Project Management Institute (https://www.pmi.org/)
5101 Jordan Road
Erie, PA 16563
814-898-6107
behrend-business@psu.edu

http://behrend.psu.edu/school-of-business

Fayette
2201 University Drive
Lemont Furnace, PA 15456
724-430-4245
wsg3@psu.edu

http://fayette.psu.edu/project-and-supply-chain-management

Greater Allegheny
101 Frable Building
4000 University Drive
McKeesport, PA 15132
412-675-9140
GA-Academics@lists.psu.edu

http://greaterallegheny.psu.edu/project-supply-chain-management-bs

Lehigh Valley
2809 Saucon Valley Road
Center Valley, PA 18034
610-285-5117
maungkmin@psu.edu

https://lehighvalley.psu.edu/academics/degrees/project-supply-chain-management

Mont Alto
1 Campus Drive
Mont Alto, PA 17237
717-749-6050
mad10@psu.edu

https://montalto.psu.edu/academics/bachelors/project-supply-chain-management-degree

New Kensington
3550 Seventh Street Rd
New Kensington, PA 15068
724-334-6158
act29@psu.edu

http://newkensington.psu.edu/4-year-project-supply-chain-management-sap-certificate

Schuylkill
ACADEMIC AFFAIRS
200 University Drive
Schuylkill Haven, PA 17972
570-385-6000
kpf5264@psu.edu

https://schuylkill.psu.edu/academics/degrees/bacc-degrees/project-and-supply-chain-management

Scranton
Business Building 117
Dunmore, PA 18512
570-963-2643
jmw831@psu.edu

https://scranton.psu.edu/project-and-supply-chain-management

Shenango
147 Sharon Ave.
309D Sharon Hall
Sharon, PA 16146
724-983-2806
yuh201@psu.edu

https://shenango.psu.edu/academics/majors-shenango/project-supply-chain-management

Wilkes-Barre
44 University Drive
Dallas, PA 18612
570-675-9291
jlg566@psu.edu

https://wilkesbarre.psu.edu/academics/pscm

York
206 Grumbacher Building (GISTC)
1031 Edgecomb Ave.
York, PA 17403
717-771-4189
axk19@psu.edu

https://york.psu.edu/academics/baccalaureate/project-and-supply-chain-management