Bachelor of Science in Project and Supply Chain Management

The Project and Supply Chain Management major concentrates on developing knowledge, skills, and abilities in project management, a dynamic and important discipline in modern corporations. These project management skills include the development of new projects, and coordinating procurement and project delivery systems. The major also emphasizes the integration of manufacturing and service operations, logistics, purchasing, and distribution that enable organizations to develop value-creating supply chain networks.

Contact

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Curriculum

Logistics and, more broadly supply chain management, is a rapidly evolving field. Goods movements through South Central Pennsylvania are predicted to increase by just under 80% through 2030 [1]. As a result, there are a substantial number of supply chain management job opportunities available. Graduates from this program will not only learn the five basic supply chain management processes (Source, Make, Deliver, Plan, and Return), but they will also learn modern industry-standard project management techniques for keeping projects on scope, on time, and, on (or within) budget, while utilizing resources efficiently. The program is specifically geared toward several major supply chain activities in the region: distribution, procurement, customer service, and transportation.

Graduates of the program will be able to perform the following functions:

- Evaluate various forecasting methods to estimate demand
- Model inventory decisions including setting order quantity, reorder point, and safety stock
- Determine best shipping mode based on modal and shipment characteristics
- Determine best storage method for a particular SKU based on storage quantity and annual demand
- Explain trade-offs for different picking methods
- Explain the trade-offs involved with the strategic sourcing process
- Manage a project including resources, completion date, and cost


Courses

In addition to General Education requirements (45 credits), this major requires the following:

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES:
2 credits

REQUIREMENTS FOR THE MAJOR:
88 credits
(This includes 15 credits of General Education courses: 6 credits of GQ courses; 6 credits of GS courses; 3 credits of GWS courses.)

PRESCRIBED COURSES (43 credits)

ACCTG 211(4), ECON 102 GS(3), ECON 104 GS(3), ENGL 202D
GWS(3) (Sem: 3-4)
FIN 301(3), MGMT 301(3), MIS 204(3), MKTG 301(3), SCM 301(3) (Sem: 3-6)
MGMT 341(3), MGMT 410(3) (Sem: 5-6)
MGMT 418(3), SCM 445(3), SCM 460(3) (Sem: 6-8)

ADDITIONAL COURSES (33 credits)

MATH 110 GQ(4) or MATH 140 GQ(4) (Sem: 1-2)
SCM 200 GQ(4) or STAT 200 GQ(4) (Sem: 3-4)
B A 241(2) and B A 242(2); or B A 243(4) (Sem: 3-6)
Select 3 credits from B A 364Y(3), ECON 470(3), FIN 471(3),
MGMT 461 IL(3), MKTG 445 IL(3), or other 400-level international
business courses (Sem: 5-8)
Select 6 credits of 300- or 400-level courses in one business
supporting area or PSCM electives from MGMT 420(3), MGMT
431(3), MGMT 432(3), MGMT 433(3), MGMT 440(3), MGMT
453(3), MGMT 466(3), or MGMT 483(3) (Sem: 5-8)
Select 3 credits from ECON 481(3) or MIS 336(3) or MIS 390(3)
(Sem: 6-8)
MGMT 415(3) or SCM 416(3) (Sem: 6-8)
SCM 320(3) or SCM 455(3) (Sem: 6-8)
B A 462(3) or MGMT 471W(3) (Sem: 7-8)

SUPPORTING COURSES AND RELATED AREAS (12 credits)

Select 12 credits of approved electives courses from any area
(see school list of suggested courses) (See the admission section
in the general information section in this bulletin for the placement
policy for Penn State foreign language courses.) (Sem: 1-8)

Undergraduate Admissions Requirements

Minimum high school course requirements for admission to baccalaureate (four-year) degree programs are listed below. Keep in mind that specific programs may have additional requirements or recommendations.

English
Four units, including one unit each in composition and literature, are required.

Social Studies/Art/Humanities
Three units in any combination of social studies, arts, and humanities are required.

World Language
Two units in a single world language other than English are required. However, a student may be admitted with fewer than two units in a world language other than English, but must correct this deficiency by the time s/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.

Either a third unit in the same language or an additional unit in a second world language other than English is recommended.

Science
Three units of science are required. Preparation in chemistry and physics is recommended but not required for our Science and Engineering/Engineering Technology programs.

Math
Three units of mathematics are required (four are recommended), selected from any combination of algebra, geometry, and trigonometry

Some programs have additional mathematics requirements. Our Business, Engineering/Engineering Technology, and Science programs require one-half unit of trigonometry or higher level math within the required three units.

Penn State requires proof of graduation or a GED for admission to four-year degree programs.

*In most high school curricula, one unit = one year.

Visit Undergraduate Admissions: Admissions Requirements for more information (http://goo.gl/eVGAMB)