



MANAGEMENT MAJOR (MANGT) OPERATIONS MANAGEMENT OPTION

The objective of the Management major is to prepare students for the basic tasks of management--the coordination of human, material, and financial resources to accomplish organizational goals. Two options are offered.

The *General Management* option prepares students for careers in personnel administration or a variety of general management positions. This option emphasizes knowledge relating to managing human resources, but students also can select supporting business courses in other disciplines to prepare themselves to become managers of small businesses or units of larger business organizations, frequently in retail or service businesses.

The *Operations Management* option provides students with an opportunity to develop the quantitative skills necessary to design and operate today's complex management systems. This option emphasizes course work in forecasting, production and inventory planning control, logistics, purchasing, and materials management. Students also can select from a special supporting course concentration in analytical methods and manufacturing processes to better prepare themselves for careers in manufacturing organizations.

Entry to the Management major requires the completion of the following entry-to-major courses: ACCTG 211, ECON 002/ECON 102 GS, ENGL 015 GWS or ENGL 030 GWS; MATH 110 GQ or MATH 140 GQ; STAT 200 GQ or SCM 200 GQ and a 2.00 or higher cumulative grade-point average. For the B.S. degree in Management, a minimum of 120 credits is required. A student enrolled in this major must earn at least a grade of C in each 300- and 400-level course in the major field.

MANAGEMENT MINOR

Students must take MGMT 301, SCM 301, and select additional courses (at least 6 credits at the 400 level) in MGMT or SCM for a total of 18 credits. A grade of C or better is required for all courses in the minor.

CAREER OPPORTUNITIES The Academic and Career Planning Center (ACPC) assists students with the process of career and life planning through a full range of programs and services. You may schedule appointments with the ACPC staff to discuss issues including interests, skills, values, and goal setting, as well as how to find career information, internships, full-time jobs, and graduate schools. You are encouraged to utilize the services of the ACPC every year from your first semester to graduation.

Below is a list of employers and positions of some of our recent graduates:

<u>Employer</u>	<u>Position</u>
Frito Lay, Inc.	District Sales Manager
Fairpoint Communications	Account Executive
Pitney Bowes Management Services	Manager
Marconi Communications	Account Manager
Progressive Insurance	Claims Adjuster/Appraiser
Spyne, LLC	Network Administrator
GE Company	Quality Project Manager
Webtec Railway Electronics	Master Scheduler
Business Resource Group	Project Manager
Modern Industries	Manufacturing Engineer
National Bank of North East	Retail Banking Representative
Eddie Bauer	Manager
Ferguson Enterprises, Inc.	Buyer
Legg Mason Wood Walker, Inc.	Retirement Specialist
AT&T Wireless Services	Staffing Coordinator
Unisys Corporation	Business Support Analyst 3
Eastman Kodak Co.	Professional
Tyco Electronics	Supply Base Specialist
Mazda North American Operations	District Manager
Old Navy Clothing Co.	Merchandise Manager
First Union National Bank	Purchasing Agent

**Recommended Academic Plan – Management (MANGT at Penn State Erie, The Behrend College) – OPMGT Option
Effective Summer 1999**

Semester 1	Credits	Semester 2	Credits
ENGL 015 or 030 (GWS) Rhetoric & Composition or Honors *	3	CAS 100 (GWS) Effective Speech	3
MATH 110 or 140 (GQ) <i>Techniques of Calculus I or Calculus with Analytic Geometry</i> *	4	Humanities (GH)	3
Humanities (GH)	3	Arts (GA)	3
Natural Sciences (GN)	3	ECON 002/ECON 102 (GS) <i>Introduction to Microeconomics</i> *	3
Health and Physical Activity (GHA)	1.5	Natural Sciences (GN)	3
First-Year Seminar	1		
Total Credits:	15.5	Total Credits:	15
Semester 3	Credits	Semester 4	Credits
ACCTG 211 Financial & Managerial Accounting *	4	ENGL 202D (GWS) Writing for Business	3
Arts (GA)	3	MIS 204 Intro to Management Info Systems	3
B A 241 -Legal Environment of Business (2) and B A 242 -Social & Ethical Environment Business (2) [or B A 243 (4)]	4	SCM 200 or STAT 200 (GQ) <i>Intro to Stats for Business or Elementary Statistics</i> *	4
ECON 004/ECON 104 (GS) <i>Introduction to Macroeconomics</i>	3	Natural Science (GN)	3
		Health and Physical Activity (GHA)	1.5
Total Credits:	14	Total Credits:	14.5
Semester 5	Credits	Semester 6	Credits
MGMT 301 Basic Management Concepts	3	MGMT 331 Organizational Theory	3
SCM 301 Intro to Operations Management	3	MGMT 341 Intro to HR Management	3
MKTG 301 Principles of Marketing	3	MGMT 410 Project Management	3
FIN 301 Corporate Finance	3	SCM 445 Operations Planning & Control or SCM 460 Purchasing & Materials Management	3
LER 100 Employment Relations	3	International Business Course (IL)	3
		Non-Business elective	3
Total Credits:	15	Total Credits:	18
Semester 7	Credits	Semester 8	Credits
MGMT 471W Business Strategy	3	ECON 481 Business Forecasting Techniques or Approved Substitution	3
SCM 455 Logistics Systems Analysis and Design	3	Supporting Course Business	3
SCM 445 Operations Planning & Control or SCM 460 Purchasing & Materials Management	3	Supporting Course Business	3
Non-Business elective	3	Non-Business elective	3
Non-Business elective	3	Non-Business elective	3
Total Credits:	15	Total Credits:	15

- An asterisk (*) indicates an entrance to major requirement.
- **Bold type** indicates courses requiring a quality grade of C or better.
- *Italics* indicates courses that satisfy both major and General Education requirements.
- **Bold Italics** indicates courses requiring a quality grade of C or better and that satisfy both major and General Education requirements.
- GWS, GHA, GQ, GN, GA, GH, and GS are codes used to identify General Education requirements.
- US, IL, and US:IL are codes used to designate courses that satisfy University United States/International Cultures requirements. Students must complete 3 credits in US and 3 credits in IL. If a student takes a 3 credit course that is both US and IL, to complete the requirement, he/she must take another 3-credit course that is US, IL, or both US and IL. Education abroad courses and other credit-bearing experiences such as internships that meet this requirement, will be designated US, IL or both US and IL.
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirements.
- At least 50% of all business credit hours required for the degree must be completed at Penn State Erie, The Behrend College. Students may transfer a maximum of six (6) credits of 300- or 400-level business coursework from another academic institution.
- Students who have not met the admission requirement of two units of a high school foreign language must complete a college level-one foreign language within their first 60 credits. This is a pre-admission requirement – credits will not count toward degree requirements.

Scheduling patterns for courses not taught each semester: ECON 481 is offered in Spring of even years only

**MANAGEMENT MAJOR (MANGT)
OPERATIONS MANAGEMENT OPTION**

(B.S., 122 credits)

NAME _____

PSU ID _____

GENERAL EDUCATION	REQUIREMENTS FOR THE MAJOR
<p>SKILLS</p> <p>Writing/Speaking (9 cr)</p> <p>ENGL 015 or 030 GWS(3) _____ 1-2 _____</p> <p>CAS 100 GWS(3) _____ 3-4 _____</p> <p>ENGL 202D GWS(3) _____ 4 _____</p> <p>Quantification (4 cr)</p> <p>MATH 110 OR 140(4) _____ 1-2 _____</p> <p>FIRST-YEAR SEMINAR (minimum 1 credit)</p> <p>_____ 1-2 _____</p> <p>HEALTH AND PHYSICAL ACTIVITY (3 cr. GHA)</p> <p>_____ 1-4 _____</p> <p>_____ 1-4 _____</p> <p>DISTRIBUTION COMPONENT</p> <p>Natural Sciences (9 cr, GN)</p> <p>_____ 1-4 _____</p> <p>_____ 1-4 _____</p> <p>_____ 1-4 _____</p> <p>Arts (6 cr, GA)</p> <p>_____ 1-4 _____</p> <p>_____ 1-4 _____</p> <p>Humanities (6 cr, GH)</p> <p>_____ 1-4 _____</p> <p>_____ 1-4 _____</p> <p>Social and Behavioral Sciences (6 cr)</p> <p>ECON 102 (3) _____ 3-4 _____</p> <p>ECON 104 (3) _____ 3-4 _____</p>	<p>PRESCRIBED COURSES</p> <p>ACCTG 211(4) _____ 3-4 _____</p> <p>BA 241 (2) [or B A 243 (4)] _____ 3-4 _____</p> <p>BA 242 (2) [or B A 243 (4)] _____ 3-4 _____</p> <p>MIS 204(3) _____ 3-4 _____</p> <p>SCM 200(4) _____ 3-4 _____</p> <p>MGMT 301(3) _____ 5 _____</p> <p>SCM 310(3) _____ 5 _____</p> <p>FIN 301(3) _____ 5-6 _____</p> <p>LER 100 GS(3) _____ 5-6 _____</p> <p>MKTG 301(3) _____ 5-6 _____</p> <p>MGMT 331(3) _____ 6 _____</p> <p>MGMT 341 US(3) _____ 6 _____</p> <p>MGMT 410(3) _____ 6 _____</p> <p>MGMT 471W(3) _____ 7-8 _____</p> <p>ADDITIONAL COURSES</p> <p>Select 3 credits from ECON 470 IL , MGMT 461 IL, MKTG 445 IL, or other 400-level international business course (FIN 407).</p> <p>_____ 5-8 _____</p> <p>REQUIREMENTS FOR THE OPERATIONS MANAGEMENT OPTION</p> <p>PRESCRIBED COURSES</p> <p>ECON 481(3) _____ 5-8 _____</p> <p>SCM 445(3) _____ 5-8 _____</p> <p>SCM 455(3) _____ 5-8 _____</p> <p>SCM 460(3) _____ 5-8 _____</p> <p>SUPPORTING COURSES</p> <p>Select 6 credits of 300- or 400-level courses from one business supporting course area.</p> <p>_____ 5-8 _____</p> <p>_____ 5-8 _____</p> <p>Select 12 credits from the non-business supporting course list for the major.</p> <p>_____ 5-8 _____</p> <p>_____ 5-8 _____</p> <p>_____ 5-8 _____</p> <p>_____ 5-8 _____</p> <p>_____ 5-8 _____</p>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>PREREQUISITE COURSES: Depending on the results of university placement tests, additional credits <u>beyond</u> the minimum degree requirements may be needed to meet the prerequisites for certain courses (for example, MATH 021 and 022 for MATH 110; ENGL 004 for ENGL 015).</p> </div> <p>_____ 1-2 _____</p> <p>_____ 1-2 _____</p> <p>_____ 1-2 _____</p>	

ADDITIONAL AND SUPPORTING COURSE LIST FOR THE SCHOOL OF BUSINESS MAJORS

<p>A ADDITIONAL COURSES OR SUPPORTING COURSES (BUSINESS)</p> <p>ACCOUNTING ACCTG 305(4) ACCTG 310(3) ACCTG 312(3) ACCTG 340(3) ACCTG 371(4) ACCTG 403(3) ACCTG 410(3) ACCTG 411(3) ACCTG 422(3) ACCTG 426(3) ACCTG 440(3) ACCTG 450(3) ACCTG 472(3) ACCTG 494(1-12) ACCTG 495(1-18) ACCTG 496(1-18) ACCTG 497(1-9) B LAW 444(3)</p> <p>ECONOMICS ECON 302 GS(3) ECON 304 GS(3) ECON 342(3) ECON 351(3) ECON 410(3) ECON 430(3) ECON 442(3) ECON 470 IL(3) ECON 473 IL(3) ECON 481(3) ECON 482(3) ECON 485(3) ECON 494(1-12) ECON 495(1-18) ECON 496(1-18) ECON 497(1-9)</p> <p>FINANCE FIN 330(3) FIN 340(3) FIN 397(1-9) FIN 430(3) FIN 450(3) FIN 451(3) FIN 461(3) FIN 471(3) FIN 481(3) FIN 494(1-12) FIN 495(1-18) FIN 496(1-18) FIN 497(1-9)</p> <p>MANAGEMENT MGMT 321(3) MGMT 331(3) MGMT 341(3) MGMT 350(3) MGMT 409(3) MGMT 410(3) MGMT 420(3) MGMT 431(3) MGMT 432(3) MGMT 440(3) MGMT 445 US(3) MGMT 475W(3) MGMT 476(3) MGMT 461 IL(3) MGMT 494(1-12) MGMT 495(1-18) MGMT 496(1-18) MGMT 497(1-9) SCM 301(3) SCM 445(3) SCM 455(3) SCM 460(3) SCM 465(3)</p> <p>MANAGEMENT INFORMATION SYSTEMS MIS 297(1-9) MIS 321 MIS 336(3) MIS 387(3) MIS 397(3)</p>	<p>MIS 404(3) MIS 405(3) MIS 406(3) MIS 407(3) MIS 430(3) MIS 435(3) MIS 440(3) MIS 445(4) MIS 470(4) MIS 494(1-12) MIS 495(1-18) MIS 496(1-18) MIS 497(1-9)</p> <p>MARKETING MKTG 342(3) MKTG 330(3) MKTG 440(3) MKTG 327(3) MKTG 410(3) MKTG 428(3) MKTG 445 IL(3) MKTG 475(3) MKTG 485(3) MKTG 494(1-12) MKTG 495(1-18) MKTG 496(1-18) MKTG 497(1-9)</p> <p>SUPPORTING COURSES (NON-BUSINESS)</p> <p>INTERNATIONAL STUDIES ANTH 001 GS;US;IL(3) ANTH 009 GS;IL(3) ANTH 045 GS;US;IL(3) CAS 471 US;IL(3) COMM 410 IL(3) COMM 419 US;IL(3) FR 139 GH;IL(3) GER 200 GH;IL(3) HIST 001 GH;IL(3) HIST 002 GH;IL(3) HIST 010 GH;IL(3) HIST 100 GH;IL(3) (CAMS 100) HIST 101 GH;IL(3) (CAMS 101) HIST 107 GH;IL(3) (MEDVL 107) HIST 120 GS;IL(3) HIST 121 GH;IL(3) (J ST 121) HIST 143 GH;IL(3) HIST 165 IL(3) (ARAB 165, RL ST 165) HIST 172 IL(3) HIST 173 GH;IL(3) HIST 174 GH;IL(3) HIST 175 GH;IL(3) HIST 178 GH;IL(3) HIST 179 GH;IL(3) HIST 181 GH;IL(3) HIST 191 GH;IL(3) (AAA S 191) HIST 192 GH;IL(3) (AAA S 192) HIST 406(3) HIST 418W IL(3) HIST 420W IL(3) HIST 429(3) HIST 481 IL(3) HIST 486 IL(3) HIST 487(3) HIST 488(3) INTST 100 GS;IL(3) INTST 400 IL(3) PL SC 003 GS;IL(3) PL SC 014 GS;IL(3) PL SC 020 GS;IL(3) PL SC 022 GS;IL(3) PL SC 123 GS;US;IL(3) PL SC 299/PL SC 499 IL(1-12) PL SC 419(3) PL SC 423(3) PL SC 437(3) PL SC 442(3) PL SC 454 IL(3) (AAA S 454) PL SC 452(3) PL SC 456(3) PL SC 481(3) PL SC 484W(3) PL SC 487(3) PL SC 488(3)</p>	<p>PL SC 489(3) RUS 100 GH;IL(3) SPAN 130 GH;IL(3) SPAN 131 GH;IL(3)</p> <p>EDUCATION ABROAD¹ Select one of the Behrend College or university-sponsored Education Abroad Programs.</p> <p>FOREIGN LANGUAGE <u>French</u>² FR 001(4) FR 002(4) FR 003(4) FR 139 GH;IL(3) <u>German</u>² GER 001(4) GER 002(4) GER 003(4) GER 200 GH;IL(3) <u>Spanish</u>² SPAN 001(4) SPAN 002(4) SPAN 003(4) SPAN 130 GH;US;IL(3) SPAN 131 GH;IL(3)</p> <p>PSYCHOLOGY PSYCH 100 GS(3) PSYCH 212 GS(3) PSYCH 231 GS (3) PSYCH 232 GS;US;IL(3) PSYCH 238 GS(3) PSYCH 243 GS(3) PSYCH 253 GS(3) PSYCH 256 GS(3) PSYCH 260 GS(3) PSYCH 281 GS(3) PSYCH 301W(3) PSYCH 404 GS(3) PSYCH 420(3) PSYCH 438(3) PSYCH 444 GS(3) PSYCH 452(3) PSYCH 453(3) PSYCH 456(3) PSYCH 457 GS;US(3) PSYCH 461(3) PSYCH 471(3) PSYCH 479(3) PSYCH 482 GS(3) PSYCH 484 GS(3) PSYCH 485 GS(3) SOC 001 GS(3)</p> <p>QUANTITATIVE METHODS CMPSC 102(4) CMPSC 109(3) CMPSC 121(3) CMPSC 122(3) CMPSC 203 GQ(4) CMPSC 260(3) CMPSC 296(1-18) CMPSC 297(1-9) CMPSC 302(3) CMPSC 312(3) CMPSC 335(3) CMPSC 397(1-9) CMPSC 409(3) CMPSC 437(3) CMPSC 451(3) CMPSC 455(3) CMPSC 458(3) CMPSC 459(3) CMPSC 461(3) CMPSC 465(3) CMPSC 474(3) CMPSC 496(1-18) CMPSC 497(1-9) IE 405(3) IE 425(3) IE 435(3) IE 455(3) IET 101(3) IET 105(3) IET 109(3) IET 215(2) IET 216(2) MATH 111 GQ(2) MATH 141 GQ(4) MATH 211(4) MATH 220 GQ(2)</p>	<p>MATH 230(4) MATH 231(2) MATH 250(3) MATH 251 (4) MATH 414(3) MATH 415(3) MATH 416(3) MATH 441(3) MATH 482(3) QC 450(3) STAT 401(3) STAT 414(3) ST 415(3) STAT 416(3) STAT 460(3) STAT 461(3) STAT 462(3) STAT 464(3) STAT 480(1)</p> <p>WRITTEN AND ORAL COMMUNICATION CAS 100 GWS(3) CAS 212(3) CAS 250(3) CAS 252(3) CAS 283(3) CAS 340(3) CAS 352(3) CAS 360(3) CAS 375(3) CAS 403(3) CAS 404(3) CAS 411(3) CAS 415(3) CAS 422 GI(3) (AAA S 422) CAS 426W(3) CAS 450W(3) CAS 452(3) CAS 471 US;IL(3) CAS 475(3) COMM 260W(3) COMM 315(3) COMM 320(3) COMM 360(3) COMM 363(3) COMM 370(3) COMM 406(3) COMM 410 IL(3) COMM 419 US;IL(3) COMM 421W(3) COMM 422(3) COMM 424(3) COMM 460W(3) COMM 471(3) COMM 473(3) ENGL 422(3) ENGL 050 GA(3) ENGL 182A GH;US;IL(3) ENGL 212(3) ENGL 262 GH(3) ENGL 263 GH(3) ENGL 419(3) ENGL 420(3) HIST 406(3) HIST 444W(3) PHIL 012 GQ(3) PHIL 103 GH(3) PL SC 001 GS(3) PL SC 002(3) PSYCH 100 GS(3) RL ST 001 GH;US;IL(3) RL ST 004 GH;US;IL(3) RL ST 107 GH;US;IL(3)</p> <p>ENGINEERING AND SCIENCE CENBD 360(3) CMPSC 300(3) CMPEN 271(3) CMPEN 275(1) CMPET 005(1) CMPET 117(3) CMPET 120(1) CMPET 211(3) EDSGN 100S(3) E E 210(4) E E 211(3) E T 002(1) EET 100(3) EET 101(3) EET 109(1) EET 114(4)</p>	<p>EET 118(1) EET 205(1)/EET 205(2) EET 213W(5) EET 216(3) EET 221(1) EET 275(3) EG T 101(1) EG T 102(1) EG T 120(3) EG T 121(3) E MCH 211(3) E MCH 212(3) E MCH 213(3) IE T 101(3) IE T 215(2) IE T 216(2) M E 30(3) MCH T 111(3) MCH T 213(3) MCH T 214(1) MET 107(3) MET 206 MET 210W(3) PHYS 211 GN(4) PHYS 212 GN(4) PHYS 213 GN(2) PHYS 214 GN(2) PHYS 250 GN(4) PL ET 050(3) PL ET 205(3) PL ET 206W(3) PL ET 217(3) PL ET 234(4) PL ET 270(3)</p>
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NOTE FOR NON-BUSINESS AND BUSINESS MINORS:

It is relatively easy to earn a minor through proper selection of Additional and Supporting courses.

Other non-business courses may be approved by faculty advisors.

¹ Education Abroad coursework in business areas must be applied to Prescribed, Additional, or Supporting Course Requirements in business. Non-business courses taken abroad may be applied to Non-business Supporting Course Requirements.

² Students who place into French, German, or Spanish 002 or 003 on the basis of previous language study in high school may substitute credits of international studies coursework or other non-business supporting courses in consultation with an advisor.