

MINOR IN ENGINEERING MANAGEMENT – BUSINESS CONCENTRATION

The minor in Engineering Management – Business Concentration is designed to provide students with non-business majors with an understanding of the principles of managing organizations involved in engineering activities and technology development including: i) planning, organizing, allocating, and controlling activities and resources, ii) project management, and iii) operations management, and entrepreneurship.

Requirements:

- A minimum of five (5) 3-credit courses, which must include three core required courses: (i) Either MEM2221 Principles of Engineering Management or BADM 3761 Operations Management; (ii) OPIM 3801 - Principles of Project Management, and (iii) MEM 2211 - Introduction to Manufacturing Systems; and two electives from BADM 3741; BADM 3742; BADM 2710; BADM 3730; BADM 3750; either BADM 3760 or OPIM 3103 but not both; OPIM 4895.
- Prerequisites for BADM 2710 and OPIM 3103 include ACCT 2001; prerequisites for BADM 3730 include ACCT2101 or BADM2710, ECON1200 or both 1201 and 1202; MATH1070; STAT1000 or 1100; prerequisites for BADM 3750 include ACCT2001, ECON1200 or both 1201 and 1202; MATH1070 or 1071; STAT1000 or 1100; prerequisites for MEM 2211 include a first course in Statistics.
- Open to juniors or higher. Not open to students enrolled in a Business Major. Courses taken toward the Engineering Management minor cannot be counted toward the Business minor.
- A 'C' (2.0) grade or better in each course to be counted toward the minor.

Additional Details:

- A maximum of one three-credit hour course can be applied toward the minor from outside the University of Connecticut.
- Internship credit(s)/course(s) **cannot** be used to satisfy requirements of the Engineering Management minor.
- **There can be no declaration of the minor prior to a student's last semester.**
- The Plan of Study for the Minor in Engineering Management – Business Concentration must be submitted during the student's last semester when the student is in the process of completing or has completed the minor.
- No student in the School of Business can complete both a major and a minor in Engineering Management – Business Concentration.

BADM courses are not open to students in the School of Business. These courses may not be used to meet course or grade point average graduation requirements for School of Business majors, either as core business requirements or as required business electives

PLAN OF STUDY – MINOR IN ENGINEERING MANAGEMENT – BUSINESS CONCENTRATION

DIRECTIONS: Complete the following information and turn in 2 copies of this sheet, with a copy of your UNOFFICIAL TRANSCRIPT, highlighting the business courses you are using to meet the minor, attached. Submit your plan of study sheet with attached transcripts during the first four weeks of the semester in which you intend to graduate.

Name _____ Major _____ Anticipated Graduation Date _____ / _____
Mo/Yr
Student ID # _____ Local Address _____ Phone (____) _____
Student Signature _____ Date _____

Courses being used to complete the minor – please list them below:

<u>Grade</u>	<u>Dept</u>	<u>No.</u>	<u>Course Title</u>
_____	MEM	2221 or BADM 3761	_____
_____	OPIM	3801	<u>Principles of Project Management</u>
_____	MEM	2211	<u>Introduction to Manufacturing Systems</u>

Electives - choose any two courses from the recommended electives listed on the reverse side.

Bring to: BUSN Room 121, or Mail to: School of Business Undergraduate Programs Office
2100 Hillside Road, Unit 1041
Storrs, CT 06269-1041

For School of Business Use Only

Signature of Associate Dean, School of Business
[Effective Fall 2009]

Date

Interested students must complete the listed requirements.

Please check the student admin for current BADM course listings.

CORE REQUIRED COURSES INCLUDE:

MEM 2221. Principles of Engineering Management. *Either semester. Three credits. Prerequisite: Open to sophomores, juniors, and seniors. Not open to students who have passed or are taking OPIM 3104 or BADM 3761. Will not substitute for OPIM 3104 for students who enter the School of Business. Will not substitute for BADM 3761. May not be used to satisfy Junior-Senior level major requirements of the School of Business. The fundamentals of engineering management tasks of planning and control; the human element in production, research, and service organizations; the stochastic nature of management systems. **OR BADM 3761. Operations Management.** *Either Semester. Three Credits. Prerequisite: open to juniors or higher. Not open to students who have passed OPIM 3101 or MEM 2221. Will not substitute for OPIM 3104 for students who enter the School of Business. May not be used to satisfy Junior-Senior level major requirements of the School of Business. An introduction to the fundamentals of Engineering Management: the tasks of planning and controlling activities that have a technological component; the human element in production, research, and service organizations; and the stochastic nature of management systems. Has extended coverage on technology and value innovation.**

OPIM 3801. Principles of Project Management. *Three credits. Prerequisite: Instructor consent; open to juniors or higher. This course provides an introduction to the concepts necessary for both project managers and project team members to deliver successful projects on time, on budget and in scope. The phases and knowledge areas of project management, as defined by the Project Management Institute (PMI), are covered as well as the tools and techniques in each area for successful project management. An introduction to Microsoft Project software will also be covered.*

MEM 2211. Introduction to Manufacturing Systems. *Three credits. Prerequisite: STAT 1000Q or 1100Q or 3025Q or 3345Q or 3375Q, or CE 2210 or 2251, or MATH 3160. Overview of manufacturing operations management and the systems used in controlling manufacturing enterprises including the concepts of global competition, lean concepts in business and engineering, and manufacturing as a competitive weapon.*

RECOMMENDED ELECTIVE COURSES:

BADM 2710. Principles of Managerial Accounting. *Three credits. Prerequisite: ACCT 2001; open to juniors or higher. Not open to students who have passed or are taking ACCT 2101. A survey of internal reports to managers for use in planning and controlling operating systems, for use in decision-making, formulating major plans and policies, and for costing products for inventory valuation and income determination.*

BADM 3730. Financial Management. *Three credits. Prerequisite: ACCT 2101 or BADM 2710, which may be taken concurrently; ECON 1200 or both 1201 and 1202; MATH 1070; STAT 1000 or 1100; open to juniors or higher. Not open to students who have passed or are taking FNCE 3101. An introductory examination of how a business plans its needs for funds, raises the necessary funds, and invests them to attain its goals.*

BADM 3750. Introduction to Marketing Management. *Three credits. Prerequisite: ACCT 2001; ECON 1200 or both 1201 and 1202; MATH 1070 or 1071; STAT 1000 or 1100; open to juniors or higher. Not open to students who have passed or are taking MKTG 3101. An introduction to the marketing system, its foundations and institutions. Students are exposed to product, promotion, price, and distribution decision areas, strategic alliances, relationship marketing, and total marketing quality.*

BADM 3760. Business Information Systems. *Three credits. Prerequisite: open to juniors or higher. Not open to students who have passed or are taking OPIM 3103. An introduction to the information needs of managers, the structure of the information systems required to fill these needs, systems development, and business computing technology. Also covers selected management applications within the major business functions.*

BADM 3741. Risks and Rewards of Entrepreneurship. *Three credits. Prerequisite: open to juniors or higher. Not open to Business majors. Not open to students who have passed or are taking MGMT 3234. May not be used to meet Junior-Senior level major requirements of the School of Business. Emphasis on gaining an in-depth understanding of the entrepreneurial mindset. Students explore what makes an individual a successful entrepreneur. Examines the risks and the rewards of pursuing a new business and a career as an entrepreneur, via case study and invited speakers.*

BADM 3742. New Venture Management. *Three credits. Prerequisite: open to juniors or higher. Not open to Business majors. Not open to students who have passed or are taking MGMT 3235. May not be used to meet Junior-Senior level major requirements of the School of Business. Examines the process of getting a new venture started, growing the venture, successfully harvesting it and starting again. Students investigate the special problems of newly formed firms via case study and analysis of successful and unsuccessful business plans. Acquaints students with the unique strategic problems faced by new ventures and prepares them to evaluate new venture plans.*

OPIM 3103. Business Information Systems. *Three credits. Prerequisite: ACCT 2001. Not open to students who have passed or are taking BADM 3760. Information needs of managers, the structure of the information systems required to fill these needs, systems development, business computing technology, and management applications within major business functional subsystems.*

OPIM 4895. Special Topics. *Three credits. Prerequisite: OPIM 3103 and others as announced separately for each offering.*