MMM Curriculum

The MMM program provides unique opportunities for students to build on their classroom learning through course work and activities that apply the key concepts to real-world manufacturing organizations. The MMM course work culminates in the Integration Project. In this course, student teams draw on their broad-based studies to serve as consultants to leading manufacturing companies or to develop a business venture based on a new product. The MMM Integration Projects, MMM Entrepreneurship Program, Global Initiatives in Management program and the annual student-run Manufacturing Business Conference are just a few such opportunities available to students.

ACCELERATED STUDY

In order to preserve maximum flexibility for advanced coursework, some study is accelerated to take advantage of the strong quantitative backgrounds of MMM students (e.g., MMMs take an accelerated finance course in place of Finance I and II). Financial accounting and elementary statistics are prerequisites. Students who have not had these courses should take them before entering the program.

Students must complete a minimum of 24.5 classes over six quarters to earn the degree. Core classes must be taken for a grade; at most two manufacturing electives may be taken pass/no pass.

Management Core (6.5 units required)

- ACCT 439 Accounting for Manufacturing Management
- BASE 910-A Values and Crisis Decision Making (1/2 unit)*
- MORS 430 Managing and Leading Organizations (pre-term)*
- FINC 440 Turbo Finance*
- MECN 430 Microeconomic Analysis*
- MKTG 431 Business Strategy
- MKTG 430 Marketing*

Manufacturing Core (7.5 units required)

- IE 471-1 Factory Physics I
- IE 471-2 Factory Physics II
- IE 490 Managing Product Innovation
- One Product Development Minicourse (1/2 unit) chosen from approved list
- OPNS 454 Operations Strategy or OPNS 455 Logistics and Supply Chain Mgmt or OPNS 912 Service Operations

Manufacturing Core includes 3 Manufacturing Electives (according to specific distribution requirements) from the following areas:
- Analytical Tools
- Human Resources Management
- Information Technology
- Logistics and Supply Chain Management
- Processes, Materials and Technology Management
- Product Design/Development
- Quality Management

Integration Project (1 unit required)

Unrestricted Electives (9.5 units required)

Students complete 9.5 elective credits from additional offerings of Kellogg, McCormick or other Northwestern graduate schools.

Curriculum requirements for entry in 2005; requirements subject to change. See mmm.northwestern.edu for details.

* Indicates a core class taken with Kellogg Two-Year MBA students. All Kellogg electives are taken with Two-Year MBA students.