**Minor in Manufacturing**

**EMMF**

**Required Courses – 7 credits**

- ____ EC3400 Economic Decision Analysis (3)
- ____ MEEM2500 Integrated Design & Manuf. (4)

**Elective Courses – Process and System (12 credits)**

Select 6 credits from the following Process Courses:

- ____ ENT3966 Design for Manufacturing (1)
- ____ MEEM4610 Adv. Machining Processes (4) or ____ MEEM4610D Adv. Machining Processes (3)
- ____ MEEM4615 Metal Forming Processes (4) or ____ MEEM4615D Metal Forming Processes (3)
- ____ MEEM4625 Precision Manuf. & Metrology (3)
- ____ MEEM4635 Design with Plastics (3)
- ____ MEEM4640 Micro-manufacturing Processes (3)
- ____ MEEM4993D Design for Manufacturability (3)
- ____ MY4130 Principles of Metal Casting (3)

**Elective Courses (Continued)**

Select 6 credits from the following System Courses:

- ____ BA4620 Supply Chain Management (3)
- ____ BA4690 System Thinking & Dynamic Modeling (3)
- ____ MEEM4650 Quality Engineering (3)
- ____ MEEM4655 Production Planning (3)
- ____ MEEM4660 Data Based Modeling (3)
- ____ MEEM4685 Environmentally Responsible Design Manufacturing (3)
- ____ MEEM4705 Intro Robotics & Mechatronics (4)

**Credits Required = 19**

Total Credits _______

**Note:** Courses with a ‘D’ designation are available only to Distance Learning students participating in the BSE or Certification programs at our participating Industrial Partners.

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C: MEEM4705 (MEEM4700 C), MEEM4993D (MEEM2500 and MEEM4992D and MY2100), MEEM4650 (MA3710), MEEM4640 (MEEM3502 C), MEEM4635 (MY2100 and MEEM2150 and MEEM3210 and MEEM3230 C), MEEM4625 (MEEM3700 C and MEEM3502 C), MEEM4615D (MEEM2500 and MEEM2150), MEEM4615 (MEEM2500 and MEEM2150), MEEM4655 (MEEM3501 C), MEEM4610D (MEEM2500), BA4690 (UN2002), EC3400 (UN2002), MY4130 (MY2100), MEEM2500 (ENG1102 and MY2100 C), BA4620 (BA3610 and BA3800 and BA2110 and BA2110), MEEM4610 (MEEM2500)

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Academic Year 2009-10