Pro-Manufacturing Engineering – Non MECOP

THIRD YEAR

FALL

ENGR 248 → IE 337 Introduction to Manufacturing Process (4cr, F) ← ENGR 321 Co-Req

ST 314 → IE 355 Statistical Quality Control (4cr, F) --- Recommended Pre-Requisite ---> IE 356 Experimental Design (4cr, W) ← ST 314

ST 314 → IE 367 Production Planning and Control (4cr, F) --- Recommended Pre-Requisite ---> IE 368 Facilities Design and Operations Management (4cr, W) ← ST 314

CH 202 → ENGR 321 Materials Science (4cr, FW)

WINTER

IE 337 → IE 338 Manufacturing Process Development (4cr, W)

ST 314 → IE 356 Experimental Design (4cr, W)

ST 314 → IE 368 Facilities Design and Operations Management (4cr, W)

ST 314 → IE 366 Work Design (4cr, W)

SPRING

WR 121 → WR 327 Technical Writing (3cr, FWSU)

Synthesis: Science, Technology & Society (3 or 4cr, FWSU)

Synthesis: Contemporary Global Issues (3 or 4cr, FWSU)

FOURTH YEAR

FALL

ST 314 → IE 425 Industrial Systems Optimization (4cr, F) ← MTH 306 or 341

IE 412 Information Systems Engineering (4cr, F)

Must have taken 5 out of 6 of the following: IE 337,355,365,366 & 367 or 368 → IE 497 Industrial Engr. Analysis & Design (4cr, F) → IE 498 Industrial Engr. Analysis & Design (4cr, W) ← Senior Standing

IE 436 Lean Manufacturing Systems Engineering (4cr, F)

ST 314 → ENGR 440 Modern Electronics Manufacturing (4cr, F)

WINTER

ST 314 → IE 415 Simulation & Decision Support Systems (4cr, W)

ENGR 212 → ME 311 Intro to Thermal-Fluid Sciences (4cr, FW) ← MTH 256

IE 337 → IE 437 Virtual & Automated Manufacturing Systems (4cr, W)

SPRING

Restricted Elective (3cr, FWSU)

- A list of pre-approved Restricted Electives can be found on the advisors page of the MIME website.
- Specific sequences of courses may be required (See Appendix D of the MIME Undergraduate Advising Guide).
- If a Restricted Elective is used to satisfy a baccalaureate core requirement, it cannot be used as a Restricted Elective.
- Restricted Electives cannot be taken S/U.

Revised May 2008