Pre-Manufacturing Engineering

**Fall**
- MIME 101 Intro to MIME (3cr)
- MTH 251 Differential Calculus (4cr, FWSpSu)
- CH 201 Chemistry for Engineers (3cr, F)
- WR 121 English Composition (3cr, FWSpSu)

**Winter**
- ENGR 112 Intro to Engineering Computing (MATLAB) (3cr, FWSpSu)
- MTH 252 Integral Calculus (4cr, FWSpSu)
- CH 202 Chemistry (3cr, W)
- HHS 231 + HHS Lab or PAC class (2+1cr, FWSpSu)

**Spring**
- ENGR 248 ENGR Graphics & 3-D Modeling (3cr, FWSpSu)
- MTH 254 Vector Calculus (4cr, FWSpSu)
- COMM 111/114 Speech (3cr, FWSpSu)
- ENGR 211 Statics (3cr, FWSpSu)

**Fall**
- MTH 256 Differential Equations (4cr, FWSpSu)
- PH 211 Physics w/Calculus (4cr, FW)
- ENGR 213 Strength of Materials (3cr, FWSpSu)
- WR 211 & ENGR 211

**Winter**
- MTH 306 Matrix & Power Series Methods (4cr, FWSpSu)
- PH 212 Physics w/Calculus (4cr, W)
- WR 327 Technical Writing (3cr, FWSpSu)
- PH 211 & ENGR 211

**Spring**
- ST 314 Statistics For Engineers (3cr, FWSpSu)
- WR 327 Technical Writing (3cr, FWSpSu)
- ENGR 221 Dynamics (3cr, FWSpSu)
- ME 250 Intro to Manufacturing Processes (1cr, FWSp)

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**Recommended Pre-Req:** MTH 251

**Soph:** Sophomore standing in engineering required to enroll in this class.

**Grades in shaded courses are used to determine pre-Core GPA and are required for entry into the professional program.**

**Shaded courses are prerequisites for junior year courses, recommended for completion prior to entry into the professional program.**

**Su Courses listed in red as being available during a term, may or may not actually be offered.**

**Bacc Core Elective courses are taken to complete OSU’s baccalaureate core curriculum (http://catalog.oregonstate.edu/bcc.aspx) and need only be taken sometime before graduation. For MfgE majors, the eight Bacc Core Elective courses consist of one course each in the areas of western culture (WC), cultural diversity (CD), literature and the arts (LA), social processes and institutions (SPI), biological science (BIO), difference, power and discrimination (DPD), contemporary global issues (CGI), and science, technology and society (STS).**

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**Updated 6/16/14**
Manufacturing Engineering – Non MECOP

**Fall**
- ENGR 248
- ME 382: Intro to Design (4cr, F)
- MFGE 336: Production Engineering (4cr, W)
- ST 314
- IE 355: Statistical Quality Control (4cr, F)
- MTH 252
- IE 356: Experimental Design (4cr, W)
- CH 202
- ENGR 321: Materials Science (4cr, FWSpSu)
- IE 366: Work Design (4cr, W)

**Winter**
- ENGR 213, ENGR 248, ENGR 321, & ME 250
- MFGE 336: Processes Restricted Elective (3cr)
- ST 314
- IE 355: Statistical Quality Control (4cr, F)
- MTH 252
- IE 356: Experimental Design (4cr, W)
- CH 202
- ENGR 321: Materials Science (4cr, FWSpSu)
- IE 366: Work Design (4cr, W)

**Spring**
- ME 382 or IE 366
- ME 413: Computer-Aided Design (4cr, F)
- MFGE 336: Functions Systems Engineering (4cr, F)
- IE 412: Information Systems Engineering (4cr, F)
- IE 497: MIME Capstone Design (4cr, F)
- IE 498: MIME Capstone Design (4cr, W)
- MFGE 337: Materials and Manufacturing Processes (4cr, W)

**Fall**
- ENGR 212 & MTH 256
- ME 311: Intro to Thermal-Fluid Sciences (4cr, FWSpSu)
- ST 314
- IE 212
- IE 497: MIME Capstone Design (4cr, F)
- IE 498: MIME Capstone Design (4cr, W)
- MFGE 337: Materials and Manufacturing Processes (4cr, W)

Course descriptions and requirements are subject to change. For more information, please consult the OSU Undergraduate Catalog or the MIME Advising website: http://mime.oregonstate.edu/undergrad/advising/schedule-appt.

- Access to shaded courses requires entrance to the MfgE professional program.
- Bacc Core Elective courses are taken to complete OSU’s baccalaureate core curriculum (http://catalog.oregonstate.edu/bcc.aspx) and need only be taken sometime before graduation.
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Updated 6/16/14
A complete list of MfgE Electives is available through the MIME Advising website: http://mime.oregonstate.edu/undergrad/advising/schedule-appt.

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