Yr 1, 2 Industrial 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)
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS

**Winter**
- ENGR 248 ENGR Graphics & 3-D Modeling (3cr, FWSpSu)
- MTH 252 Integral Calculus (4cr, FWSpSu)
- CH 202 Chemistry for Engineers (3cr, W)
- HHS 231 + HHS Lab, or PAC class (2+1cr, FWSpSu)
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS

**Spring**
- ENGR 112 Intro to Engineering Computing (MATLAB) (3cr, FWSpSu)
- PH 211 Physics w/Calculus (4cr, FSpSu)
- COMM 111/114 Speech (3cr, FWSpSu)
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS
- Option: CH 205 Chemistry Lab: for dual major with MfgeSys (1cr, WSu)

**Fall**
- IE 112 (co-req)**
- MTH 254 Vector Calculus (4cr, FWSpSu)
- MTH 252 (Co-Req)
- MTH 252 (Co-Req)
- MTH 256 Differential Equations (4cr, WSu)
- MTH 254 (Co-Req)
- PH 213 Physics w/Calculus (4cr, WSu)

**Winter**
- MTH 254
- MTH 252
- WR 121
- WR 327 Technical Writing (3cr, F)
- IE 212 Computational Methods for Industrial Engineering (4cr, WSu)
- IE 285** Intro to IE and MfgE (3cr, F)

**Spring**
- MTH 341 Linear Algebra (3cr, FWSpSu)
- MTH 252
- MTH 252
- PH 211 & ENGR 211
- PH 213
- PH 212 Physics w/Calculus (4cr, WSu)
- ENGR 213 Strength of Materials (3cr, FWSpSu)
- ENGR 212 Dynamics (3cr, FWSpSu)

Option:
IE 112 Spreadsheet Skills for IME (1cr, Su,F,W)

* Students interested in the dual major with Manufacturing Systems should follow the Manufacturing Systems flowchart and Academic Plan. Postpone a BacCore to senior year.

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

Shaded courses are either pre-requisite courses, or courses strongly recommended to take prior to Upper Division coursework.

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

† Bacc Core courses are taken to complete OSU’s baccalaureate core curriculum (https://catalog.oregonstate.edu/earning-degrees/bcc/) and need only be taken sometime before graduation. For IE majors, the eight Bacc Core 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).
Yr 3, 4 Industrial Engineering – Non MECOP

Fall
- Restricted Elective (Business Engr. Option = BA 211) (4cr)
- IE 355 Statistical Quality Control (4cr, F)
- IE 356 Experimental Design (4cr, W)
- IE 367 Production Planning and Control (4cr, F)
- MFGE 336 Production Engineering (4cr, FW)

Winter
- IE 255
- IE 355
- IE 368 Facilities Design and Operations Management (4cr, W)
- IE 255
- IE 366 Work Design (4cr, W)
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS
- Option: IE 471 Proj. Mgmt in Engineering (Business Engr. Option Only) (3cr, W)

Spring
- IE 255
- MTH 252
- ENGR 201 Electrical Fundamentals (3cr, FWSpSu)
- IE 212
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS
- Option: IE 471 Proj. Mgmt in Engineering (Business Engr. Option Only) (3cr, W)

Fall
- IE 425 Industrial Systems Optimization (4cr, F)
- IE 426 Stochastic Models (4cr, W)
- Restricted Elective (Business Engr. Option = BA 211) (4cr)
- BMGE 497 MIME Capstone Design (4cr, F, W)

Winter
- IE 255
- MTH 305 & IE 255
- ENGR 390 Engineering Economy (4cr, F, W, Sp)
- IE 412 Information Systems Engineering (4cr, F)
- IE 415 Simulation & Decision Support Systems (4cr, W)
- Restricted Elective (Business Engr. Option = IE 475) (3cr)

Spring
- IE 112, IE 255 & IE 212
- IE 355, IE 356, IE 366, IE 367, IE 368, WR 327
- Restricted Elective (Business Engr. Option = BA 330) (4cr)
- BACC CORE Course WC, CD, LA, SPI, DPD, BIO, CGI, STS
- MUSE 498 MIME Capstone Design (4cr, W, Sp)

* Students interested in the dual major with Manufacturing Systems should follow the Manufacturing Systems flowchart and Academic Plan. Postpone a BacCore to senior year.

** Required technical electives. A complete list of Restricted Electives is available through the MIME Advising Materials website: [http://mime.oregonstate.edu/undergrad/advising/acadplan](http://mime.oregonstate.edu/undergrad/advising/acadplan). The Restricted Electives are grouped into eight focus areas and the Business Engineering Option.

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

† Bacc Core courses are taken to complete OSU’s baccalaureate core curriculum ([https://catalog.oregonstate.edu/earning-degrees/bcc/](https://catalog.oregonstate.edu/earning-degrees/bcc/)) and need only be taken sometime before graduation. For IE majors, the eight Bacc Core 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).
Yr 3, 4 Industrial Engineering – MECOP

**Fall**
- IE 355 Statistical Quality Control (4cr, F)
- IE 367 Production Planning and Control (4cr, F)
- MFGE 336 Production Engineering (4cr, F)
- ENGR 407 MECOP Seminar (1cr, F)

**Winter**
- ENGR 390 Engineering Economy (4cr, F, W, Sp)
- IE 356 Experimental Design & Systems Optimization (4cr, W)
- IE 368 Facilities Design and Operations Management (4cr, W)
- ME 250, ENGR 213, ENGR 248, & ENGR 321

**Spring**
- ECE 212 Information Systems Engineering (4cr, F)
- IE 425 Industrial Systems Optimization (4cr, F)
- Restricted Elective (Business Engr. Option = IE 475) (3cr)
- ME 250, ENGR 213, ENGR 248, & ENGR 321

**Summer**
- IE 255 & MTH 306
- ENGR 201 Electrical Fundamentals (3cr, F, W, Sp, Su)

**Fall**
- IE 412 Information Systems Engineering (4cr, F)
- IE 426 Stochastic Models (4cr, W)
- Restricted Elective (Business Engr. Option = BA 230) (4cr)
- MTH 252

**Winter**
- IE 415 Simulation & Decision Support Systems (4cr, W)
- ENGR 497 MIME Capstone Design (4cr, F, W, Sp)
- BACC CORE Course † WC, CD, LA, SPI, DPD, BIO, CGI, STS

**Spring**
- BA 390 Marketing (Business Engr. Option Only) (4cr)
- IE 426 Stochastic Models (4cr, W)
- FIN 342 (Business Engr. Option Only) (4cr)

**Summer**
- BACC CORE Course † WC, CD, LA, SPI, DPD, BIO, CGI, STS
- BACC CORE Course † WC, CD, LA, SPI, DPD, BIO, CGI, STS
- BACC CORE Course † WC, CD, LA, SPI, DPD, BIO, CGI, STS

**Fall**
- Restricted Elective (Business Engr. Option = IE 470) (4cr)
- MME 497 MIME Capstone Design (4cr, F, W, Sp)
- BACC CORE Course † WC, CD, LA, SPI, DPD, BIO, CGI, STS

**Winter**
- IE 255 & MTH 306
- IE 356, IE 366, IE 367, IE 368, & WR 327

* Students interested in the dual major with Manufacturing Systems should follow the Manufacturing Systems flowchart and Academic Plan. Postpone a BacCore to senior year.

† Required technical electives. A complete list of Restricted Electives is available through the MIME Advising Materials website: http://mime.oregonstate.edu/undergrad/advising/acadplan. The Restricted Electives are grouped into eight focus areas and the Business Engineering Option.

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