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

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

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 Manufacturing Engineering—Systems: Non MECOP

Fall

ENGR 212 & MTH 256
ME 311 Intro to Thermal-Fluid Sciences (4cr, FWSu)

ENGR 213, ENGR 248, ENGR 321, & ME 250
ENGR 390 Engineering Economy (3cr, FWSp)

IE 255
IE 355 Statistical Quality Control (4cr, F)

IE 255
IE 356 Experimental Design (4cr, W)

ENGR 252
ENGR 201 Electrical Fundamentals (3cr, FWSpSu)

MTH 252
MTH 256
MIME 498 Capstone Design (4cr, WSp)

IE 367 Production Planning and Control (4cr, F)

ME 365, ENGR 248, ME 250
ME 366 Work Design (4cr, WSu)

ME 382 Intro to Design (4cr, F)

MIME 497 MIME Capstone Design (4cr, WSu)

IE 355, IE 356, IE 366, IE 367, IE 368 & MIME 337

Spring

ME 382 or MIME 497
ME 382 or IE 366

MFGE 413 CAD Design & Manufacturing (4cr, FSp)

Fall

ENGR 212, ENGR 248
ME 250, ENGR 248, ENGR 321

Restrictive Elective (or IE 412)** (3cr)

MIME 498 MIME Capstone Design (4cr, WSp)

ME 355, IE 356, IE 366, IE 367, IE 368 & MIME 337

Spring

ENGR 212, ENGR 248

MIME 497 MIME Capstone Design (4cr, WSu)

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

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

IE 415*** (For Dual majors only) (4cr)

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

**Three electives required. Students completing the dual major with IE must take IE 412, 415, 425, 426, plus one more 400-level IE course (IE 471 suggested for Spring elective). A complete list of Restricted Electives is available through the "Manufacturing Systems Option Academic Plan" link at http://mime.oregonstate.edu/undergrad/advising/acadplan.

***Two additional listed Restricted Electives are only required of students completing the dual major with IE.

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 MIME majors, the seven Bacc Core courses consist of one course each in the areas of western culture (WC), cultural diversity (CD), literature and the arts (LA), biological science (BIO), difference, power and discrimination (DPD), contemporary global issues (CGI), and science, technology and society (STS).
Updated 05/03/2020

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

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- For additional information, please visit [https://catalog.oregonstate.edu/earning-degrees/bcc/](https://catalog.oregonstate.edu/earning-degrees/bcc/).