Updated 05/03/19

* 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 255
- IE 355 Statistical Quality Control (4cr, F)
- IE 356 Experimental Design (4cr, W)
- ME 250, ENGR 213, ENGR 248, & ENGR 321, MTH 305 & IE 255

**Winter**

- IE 355
- IE 368 Facilities Design and Operations Management (4cr, W)
- ENGR 201 Electrical Fundamentals (3cr, FWSu)
- IE 112, IE 255 & IE 212

**Spring**

- BACC CORE Course †
- Option: IE 471 Proj. Mgmt in Engineering (Business Engr. Option Only) (3cr, W)
- BACC CORE Course †
- IE 412 Information Systems Engineering (4cr, F)
- IE 457, IE 356, IE 366, IE 368, WR 327

**Fall**

- IE 356
- IE 366 Work Design (4cr, WSu)
- IE 367, IE 366, IE 368, WR 327
- IE 402, IE 355, IE 356, IE 366

**Winter**

- BACC CORE Course †
- Option: IE 471 Proj. Mgmt in Engineering (Business Engr. Option Only) (3cr, W)
- BACC CORE Course †
- IE 415 Simulation & Decision Support Systems (4cr, W)

**Spring**

- BACC CORE Course †
- FIN 342 Advanced Financial Management (Business Engr. Option Only) (4cr Sp)

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*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.*

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Initial Math placement is dependent on ALEKS placement score.

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Lightly shaded courses are prerequisites for junior year courses, and recommended for completion prior to entry into the professional program.

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

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