

Bachelor of Science in Engineering - Mechanical Engineering 2016-17 Catalog

FRESHMAN YEAR

SOPHOMORE YEAR

FALL
SEMESTER

SPRING
SEMESTER

FALL
SEMESTER

SPRING
SEMESTER

***@#ENG 101 (3)**
SAT SCORE > 500 OR
ACT SCORE > 18 OR
PLACEMENT EXAM

***@#ENG 102 (3)**
PREREQUISITE
ENG 101 or
ENG 101 E/F

***@#CEE 241(3)**
PREREQUISITE
PHYS 180/L,
MATH 182

***@#ME 242 (3)**
PREREQUISITE
CEE 241, PHYS 180/L
& MATH 182

***@#MATH 181 (4)**
PREREQUISITE
MATH 127 OR 128 OR
PLACEMENT TEST

***@#MATH 182(4)**
PREREQUISITE
MATH 181

***@#MATH 283 (4)**
PREREQUISITE
MATH 182

***@#MATH 431 (3)**
PREREQUISITE
MATH 283

***@#CHEM 121A/L (4)**
PREREQUISITE
CHEM PLACEMENT TEST OR
CHEM 103
COREQUISITE
MATH 126 OR HIGHER

***@#PHYS 180/L (4)**
PREREQUISITE
MATH 181

***@#PHYS 182/L (4)**
PREREQUISITE
PHYS 180/L &
MATH 182

***@#ME 301 (3)**
PREREQUISITE
CHEM 121A/L
COREQUISITE
PHYS 182/L

**FIRST-YEAR
SEMINAR (2-3)**
EGG 101/L
RECOMMENDED

***@#CAD REQ. (1)**
ME 220 OR
ME 240

***@#EE 292 (3)**
PREREQUISITE
MATH 182 &
PHYS 180/L or PHYS 151/L

***@#ME 302/L (4)**
PREREQUISITE
PHYS 180/L, MATH
182 & CEE 241

***@#FINE ARTS
ELECTIVE (3)**
MULTI OR INTL IF NOT TAKEN AS
SOCIAL SCIENCE OR HUMANITIES
NOTE:
REFER TO THE 2016-17

***@#GEN. ED REQ. (3)**
SOCIAL SCIENCE OR
HUMANITIES (MULTI OR INTL)
NOTE: REFER TO THE 2016-17
UNIVERSITY CATALOG

***@#PHIL 242 (3)**
^FOR MECHANICAL
ENGINEERING STUDENTS PHIL
242 SATISFIES ONE
HUMANITIES AND THE
SECOND YEAR SEMINAR

***@#ME 319/L (2)**
PREREQUISITE
MATH 182

*COURSE OFFERED IN FALL

@COURSE OFFERED IN SPRING

#COURSE OFFERED IN SUMMER

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JUNIOR YEAR

SENIOR YEAR

FALL
SEMESTER

SPRING
SEMESTER

FALL
SEMESTER

SPRING
SEMESTER

%*ME 402 (3)
PREREQUISITE
ME 319/L & MATH
431

%@ME 330 (2)
PREREQUISITE
ME 242, MATH 431
& ME 319/L

%*ME 440 (3)
PREREQUISITE
ME 301 &
ME 302/L

%*@ME 498 (2)
PREREQUISITE
ME 497

%*@ME 311 (3)
PREREQUISITE
PHYS 181/L OR PHYS
182/L

%@ME 337/L (4)
PREREQUISITE
PHYS 182/L &
EE 292

%*ME 421/L (4)
PREREQUISITE
EE 292 & ME 330

%ME ELECTIVE (3)
NOTE: REFER TO
APPROVED LIST

***@#ECON 102(3)**
PREREQUISITE
MATH 124 or Higher

%@ME 320 (3)
PREREQUISITE
ME 242, MATH 283 &
ME 319/L

%*@ME 497 (2)
COREQUISITE
SENIOR STANDING

%ME ELECTIVE (3)
NOTE: REFER TO
APPROVED LIST

***@#GEN. ED REQ. (3)**
SOCIAL SCIENCE OR
HUMANITIES (MULTI) NOTE:
REFER TO THE 2015-16
UNIVERSITY CATALOG

%*@ME 380/L (4)
PREREQUISITE
PHYS 182/L, MATH 283,
ME 242, ME 311

%*ME 453 (3)
PREREQUISITE
ME 242 & ME 330

**MATH/SCIENCE
ELECTIVE (3)**
REFER TO APPROVED LIST

***@#EGG 307 (3)**
PREREQUISITE
MATH 181 & 30+ CREDITS
(SOPHOMORE STANDING)

%*@ME 314 (3)
PREREQUISITE
ME 311, PHYS 181/L OR
PHYS 182/L &
MATH 431

%*@ME 315 (1)
PREREQUISITE
ME 311, ME 314 &
ME 380

***@#CONSTITUTIONAL
REQUIREMENT**
SUGGESTED
*@#PSC 101 (4) OR
*@#HIST 100 (4)

% REQUIRES ADVANCED
STANDING

*COURSE OFFERED IN FALL

@COURSE OFFERED IN SPRING

#COURSE OFFERED IN SUMMER