Mechanical Engineering Curriculum Flow Chart

AY2021-2022  UPDATED: 09.14.21

Fall 1st Year
ENGR:1000 (0) Fresh. Sem.
RHET:1030 (4) Rhetoric
MATH:1550 (4) Eng. Math I
ENGR:1100 (3) Intro Eng Prob Solve
CHEM:1110 (4) Prin.of Chem I

Spring 1st Year
ENGR:1300 (3) Intro Eng Computing
MATH:2550 (2) Eng. Math III
GEC #1 (3)
PHYS:1611 (4) Intro. Physics I

Fall 2nd Year
MATH:2560 (3) Eng. Math IV
ENGR:2120* (3) FE II Circuits
ME:2300 (3) Manuf. Processes
ENGR:2120* (3) FE II Circuits
ENGR:2710* (3) Dynamics
ENGR:2720* (3) Material Science
FA #1 (3)
ME:2020 (0) ME Soph. Seminar

Spring 2nd Year
ME:2120* (3) FE I Statics
ME:2300 (3) Manuf. Processes
ME:2130* (3) FE III Thermo
GEC #2 (3)
FA #2 (3)

Fall 3rd Year
MATH:3550 (3) Eng. Math V
ENGR:2510 (4) Fluid Mechanics
FA #5 (3)
ME:4048 (4) Energy Sys. Design
ME:3600 (3) Control of M.E Systems.
ME:3091 (0) Profess. Seminar

Spring 3rd Year
ME:2050 (3) Exp. Eng.
FA #6 (3)
FA #7 (3)
GEC #5 (3)

Fall 4th Year
ME:4055 (3) Mech. Sys. Design
ME:4086 (3) MEDP
ME:4080 (4) Exp. Eng.
FA #4 (3)
FA #5 (3)
GEC #4 (3)

Spring 4th Year
ME:4086 (3) MEDP
ME:4080 (4) Exp. Eng.
FA #6 (3)
FA #7 (3)
GEC #5 (3)

Notes:
Number in parentheses indicates the number of semester hours.
Light outline: course is offered in fall and spring.
Light dashed outline: course is offered fall, spring and summer.*
Heavy outline: course is offered only once per year in the indicated semester.
Heavy dashed outline: course is offered only in the indicated semester and summer.*
Solid arrow: pre-requisite  Dashed arrow: co-requisite.
* Summer courses are offered subject to meeting minimum enrollment requirements.