

Bachelor of Science in Engineering Mechanical Concentration

Course #
Course Name
Prerequisite
Semester Taken

1st-fall	2nd	3rd	4th
1st-spring	2nd	3rd	4th

Pre-Engineering (46 cr.)

MATH 111 Calculus I (F,S)	MATH 112 Calculus II (F,S) <i>MATH 111</i>	MATH 211 Calculus III (F,S) <i>MATH 112</i>	MATH 261 Linear Algebra (F,S) <i>MATH 112</i>	MATH 308 Diff. Equations (F,S) <i>MATH 211</i>	PHYS 211 Gen. Physics I (S) <i>MATH 111</i>	PHYS 212 Gen. Physics II (F) <i>PHYS 211</i>
CHEM 105 Gen. Chemistry I (F)	ENGR 101 Engr. Graphics (J)	ENGR 102 Intro. to Engr. (F)	ENGR 201 Group Orien. (S) <i>ENGR 102</i>	ENGR 231 Statics (F) <i>PHYS 211</i>	ENGR 236 Circuits I (F,S) <i>MATH 111</i>	ENGR 254 Materials Engr. (S) <i>MATH 211/OPI</i>

Upper Division Engineering (14 cr.)

ENGR 288 Project I (F) <i>ENGR 201</i>	ENGR 290 Engr. Economics (J) <i>UD Standing</i>	ENGR 301 Seminar I (F,S) <i>Adm. to Major</i>	ENGR 302 Seminar II (F,S) <i>ENGR 301</i>	ENGR 366 Control Systems (F,S) <i>MATH 308</i>	ENGR 388 Project II (S) <i>ENGR 288</i>	ENGR 488 Project III (F) <i>ENGR 388</i>
ENGR 489 Project IV (S) <i>ENGR 488</i>						

Mechanical Concentration (29 cr.)

ENGR 232 Engr. Dynamics (F) <i>E231/P211</i>	ENGR 242 Exp. Methods (F,S) <i>PHYS 211</i>	ENGR 333 Mechanics of Mat. (F,S) <i>M211/E231/OPI</i>	ENGR 371 Thermodynamics (F) <i>M211/P212/OPI</i>	ENGR 372 Fluid Mechanics (S) <i>M211/E232</i>	ENGR 373 Instrument. Meas. (F) <i>ENGR 236</i>	ENGR 374 Heat Transfer (F) <i>E371,E372/M308</i>
ENGR 381 Mechanical Design (S) <i>ENGR 333</i>	ENGR 384 Manufact. Proc. (F) <i>E254/E333/Sr. Stat.</i>					

General Education (42 cr.)

IDFY 101 First Year Seminar	Oral Communication	IDCR 151 Created & Called	Social Sci./History	History	Literature	PHED 101 Intro. to Wellness
Physical Fitness	Philosophy and Religion	Language I	Language II	Non-West./Cross Cult.	Bible	Christian Beliefs
Ethics/W.View/Pluralism	Writing Enriched					