

Bachelor of Science Degree Mechanical Engineering Technology (METE) Effective 2017

First Year		Second Year		Third Year		Fourth Year	
First Semester FALL	Second Semester SPRING	Third Semester FALL	Fourth Semester SPRING	Fifth Semester FALL	Sixth Semester SPRING	Seventh Semester FALL	Eighth Semester SPRING
MECT 1364 3 major Materials & Processes I P: None	MECT 1330 3 major Engineering Graphics P: Computer Knowledge	MECT 2354 3 major Introduction to Mechanics P: Min of C- PHYS 1301 & MATH 1431	MECT 3341 3 major Computer-Aided Drafting P: MATH 1330 & COSC 1304 or equivalents	MECT 3355/3155 4 major Strength of Materials & Lab P: Min of C- in MECT 2354 & MATH 1432	MECT 3358 3 major Dynamics of Mechanisms P: Min of C- in MECT 1330, 2354 & MATH 1432	MECT 4275 2 major Senior Design Project I P: MECT 3358, 3318, 3365	MECT 4276 2 major Senior Design Project II P: MECT 4275
MATH 1330 3 Math Precalculus P: MATH 1310 or satisfactory score on placement exam	MATH 1431 4 MATH Calculus I P: MATH 1330	MATH 1432 4 MATH Calculus II P: MATH 1431	ELET 2300 3 math Introduction To C++ Programming P: MATH 1330	MECT3318/3118 4 major Fluid Mechanic Applications & Lab P: Min of C- MECT 2354 & MATH 1432	MECT 3365 3 major Computer-Aided Design I P: Min of C- in MECT 3355, 1330 & 1364 or equivalents	MECT 4372/4172 4 major Materials Technology & Lab P: Min of C- in MECT 3355 and enrolled in MECT 4172	MECT 4188 1 major Ethics in Engineering Technology P: Senior status
CHEM 1301/1101 4 Foundations of Chemistry I & Lab P: enrolled or completed MATH 1310 or 1311	PHYS 1301/1101 4 NS Introduction to General Physics I & Lab P: MATH 1330 or Equiv	PHYS 1302/1102 4 NS Introduction to General Physics II & Lab P: PHYS 1301	ELET 2307 3 Electrical-Electronic Circuits P: Completed or enrolled MATH 1330	MECT 3331 3 major Applied Thermodynamics P: Min of C- in MATH 1431 & PHYS 1302	MECT 3342 3 major Elements of Plant Design P: Min of C- in MECT 1330, 3318 & 3331	3 Creative Arts Choose from core approved list	3 Lang, Phil & Culture Choose from core approved list
HIST 1376 3 The US Before 1877 P: None	HIST 1378 3 The US Since 1877 P: None	POLS 1336 3 U.S. & Texas Constitutions & Politics P: None	TECH 1313 3 SS Impact of Modern Tech on Society or other core Soc/Beh Sci P: enrolled or completed MATH & ENGL core course	MECT 3360 3 major Automated Manufacturing Systems P: Min of C- in MECT 1364	MECT 3367 3 major Quality Control Technology P: Min of C- in MECT 1364 & 1330 or equivalents	MECT ELEC 3 major Approved Elective Choose from approved list	MECT ELEC 3 major Approved Elective Choose from approved list
ENGL 1303 3 First Year Writing I P: score of 240 on THEA writing test or equivalent	ENGL 1304 3 First Year Writing II P: ENGL 1303 or equivalent	POLS 1337 3 U.S. Government: Congress, President, & Courts P: None	TELS 3340 3 Organizational Leadership and Supervision P: ENGL 1304	TELS 3363 3 WID Technical Communication P: ENGL 1303 with C or better	MECT ELEC 3 major Approved Elective Choose from approved list	MECT ELEC 3 major Approved Elective Choose from approved list	Free ELEC 3 Free elective
16	17	14	15	17	15	15	15

Total credit hours required =

124

Computer Aided Design & Manufacturing Electives

Summer only MECT 3362 P: MATH 1330 & MECT 1364
Fall only MECT 4323 P: MECT 3355 & MATH 1432
Fall only MECT 4341 P: MECT 4372 & 3365
Fall only MECT 4360 P: MECT 3318 & 3355
Fall only MECT 4384 P: MECT 3360 or equiv
Spring only MECT 4350 P: MECT 3358 or equiv & ELET 2307
Spring only MECT 4365 P: MECT 3365 or equiv
Spring only MECT 4361 P: MECT 3331, 3355 & 3358
Spring only MECT 4343 P: MECT 4372 & 3331

Petroleum Technology Electives

Fall only MECT 4330 P: MECT 3365
Fall only MECT 4332 P: MECT 3318
Spring only MECT 4326 P: MECT 3358 & 3365
Spring only MECT 4328 P: MECT 3365 & 4372
Spring only MECT 4337 P: MECT 4332 & 3355

- Major courses
- Free Elective
- Core courses
- Departmental requirements

**Students will be expected to place out or MAIH 1310 by either Math Placement Exam, CLEP or have taken MATH 1310