		Machanical Frani		cience Degree			
First Year		Mechanical Engineering Technolog Second Year		y (MET) Based on 2023-2024 catalog		Fourth Year	
First Semester FALL MECT 1364 3 major Materials & Processes I	Second Semester SPRING MECT 1330 3 major Engineering Graphics	Third Semester FALL MECT 2354 3 major Introduction to Mechanics	Fourth Semester SPRING MECT 3355/3155 4 major Strength of Materials & Lab	Fifth Semester FALL MECT 3358 3 major Dynamics of Mechanisms	Sixth Semester SPRING MECT 3365 3 major Computer-Aided Design I	Seventh Semester FALL MECT 4275 2 major Senior Design Project I	Eighth Semester SPRING MECT 4276 2 major Senior Design Project II
P: None MATH 2312 3 Math Precalculus	P: Computer Knowledge MATH 2413 4 MATH Calculus I	P: C4n PHYS 1301/1101 & MATH 2413 MATH 2414 4 MATH Calculus II	P-Mm of C- in MECT 2354 & MATH 2414 MECT3318/3118 4 major Fluid Mechanic Applications & Lab	P: Min of C- in MECT 1330, 2354 MATH 2414 MECT 3331 3 major Applied Thermodynamics	P:Min of C- in MECT 3355, 1330 & 1384 or equivalents MECT 3342 3 major Elements of Plant Design	P: C- in MECT 3358, 3342, 3385 MECT 4372/4172 4 major Materials Technology & Lab	P: C- in MECT 4275 MECT 4188 1 majo Ethics in Engineering Technology
P: C- or better in MATH 1314 or satisfactory score on placement exam CHEM 1305/1105 3 Foundations of Chemistry I	P: C- or better in MATH 2312 or satisfiedory score on placement exam PHVS: 1301//1101 4 NS College Physics I & Lab	P: C- or better in MATH 2413 PHYS 1302/1102 4 NS College Physics II & Lab	P: Min of C- MECT 2354 & MATH 2414 MECT 3360 3 major Automated Manufacturing Systems	P: Min of C- in MATH 2413 & PHYS 1302/1102 CORE 3 SS Social & Beh Sci or OR TECH 1313	P. Min of C- in MECT 1330, 3318 4:3331 MECT 3367 3 major Quality Control Technology	P: Min of C- in MECT 3355 and enrolled in MECT 4172 MECT 4331 3 major Heat Transfer App	P: Senior status 3 Lang, Phil & Culture
P: enrolled or completed MATH 1314 or 1332 HIST 1301 3 Hist The U.S. to 1877	P: MATH 2312 or equiv HIST 1302 3 Hist The U.S. to 1877	P. PHYS 1301 ELET 2300 3 math Introduction To C++ Programming	P: Mim of C: in MECT 1384 ELET 2307 3 Electrical-Electronic Circuits	P-enrolled or completed MATH & ENGL core course TLIM 3363 3 WID Technical Communication	P. Min of C- in MECT 1364 & MATH 2312 or equivalents TLIM 3340 3 Organizational Leadership and Supervision	P: Min of C- in MECT 3318 & 3331 MECT ELEC 3 major Approved Elective	Choose from core approved list <u>MECT ELEC 3 majo</u> Approved Elective
P: None ENGL 1301 3 Comm First Year Writing I	P: None ENGL 1302 3 Comm First Year Writing I	P: MATH 2312 GOVT 2306 3 POLS US & Texas Const & Politics	P: Completed or enrolled MATH 2312 GOVT 2305 3 POLS US Government	P:ENGL 1302 with C or better 3 Creative Arts	P: Enrolled or Taken TLIM 3363 MECT ELEC 3 major Approved Elective	Choose from approved list MECT_ELEC 3 major Approved Elective 3 1	Choose from approved list Free ELEC 3 Free elective
P. app score on TSI	P, ENGL 1301 or equivalent	P: None	P. None	Choose from core approved list	Choose from approved list	Choose from approved list	
16	17	17	17	15	15	15	12
Total credit hours required =							124

Design, Manufacturing, & Automation Electives *MECT 3330 P: MECT 1330

MECT 3330 P: MECT 1330 MECT 3362 P: C- in MECT 1330 & 1364 *MECT 3368 P: MECT 1364 *MECT 3368 P: MATH 1431 MECT 4328 P: C- in MATH 1432 & MECT 3355 MECT 4350 P: C- in ELET 2307 & MECT 3358 or equiv *MECT 4364 P: MECT 3360 MECT 4365 P: C- in MECT 3367 or equiv *MECT 4388 P: MECT 3367 or equiv MECT 4384 P: C- in MECT 3360 or equiv MECT 4384 P: C- in MECT 3360 or equiv MECT 4397
 Materials & Energy Electives

 MECT 3345
 P: C- in TECH 1325, MECT 3331

 MECT 4326
 P: C- in MECT 3358 & 3365

 MECT 4328
 P: C- in MECT 3318 & 3365

 MECT 4320
 P: C- in MECT 3365

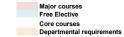
 MECT 4321
 P: C- in MECT 3365

 MECT 4341
 P: C- in MECT 3335 & 4372

 MECT 4343
 P: C- in MECT 3331 & 4372

 MECT 4345
 P: C- in Chem 1301 & MECT 3315

 MECT 4347
 P: C- in Chem 1301 & MECT 3315



* taught in Sugar Land

Courses required for Degree are based on catalog year student declares major, please verify this is the correct course sequence. Prerequisites for course are effective at the time student enrolls in coursework and may change, please check catalog for current prerequisites.