

Bachelor of Science Degree															
Mechanical Engineering Technology (MET) Based on 2023-2024 catalog															
First Year				Second Year				Third Year				Fourth Year			
First Semester		Second Semester		Third Semester		Fourth Semester		Fifth Semester		Sixth Semester		Seventh Semester		Eighth Semester	
FALL		SPRING		FALL		SPRING		FALL		SPRING		FALL		SPRING	
MECT 1364 3 major		MECT 1330 3 major		MECT 2354 3 major		MECT 3355/3155 4 major		MECT 3358 3 major		MECT 3365 3 major		MECT 4275 2 major		MECT 4276 2 major	
Materials & Processes I		Engineering Graphics		Introduction to Mechanics		Strength of Materials & Lab		Dynamics of Mechanisms		Computer-Aided Design I		Senior Design Project I		Senior Design Project II	
P: None		P: Computer Knowledge		P: C-in PHYS 1301/1101 & MATH 2413		P: Min of C- in MECT 2354 & MATH 2414		P: Min of C- in MECT 1330, 2354 & MATH 2414		P: Min of C- in MECT 3355, 1330 & 1364 or equivalents		P: C- in MECT 3358, 3342, 3365		P: C- in MECT 4275	
MATH 2312 3 Math		MATH 2413 4 MATH		MATH 2414 4 MATH		MECT3318/3118 4 major		MECT 3331 3 major		MECT 3342 3 major		MECT 4372/4172 4 major		MECT 4188 1 major	
Precalculus		Calculus I		Calculus II		Fluid Mechanic Applications & Lab		Applied Thermodynamics		Elements of Plant Design		Materials Technology & Lab		Ethics in Engineering Technology	
P: C- or better in MATH 1314 or satisfactory score on placement exam		P: C- or better in MATH 2312 or satisfactory score on placement exam		P: C- or better in MATH 2413		P: Min of C- MECT 2354 & MATH 2414		P: Min of C- in MATH 2413 & PHYS 1302/1102		P: Min of C- in MECT 1330, 3318 & 3331		P: Min of C- in MECT 3355 and enrolled in MECT 4172		P: Senior status	
CHEM 1305/1105 3		PHYS 1301/1101 4 NS		PHYS 1302/1102 4 NS		MECT 3360 3 major		CORE 3 SS		MECT 3367 3 major		MECT 4331 3 major		3	
Foundations of Chemistry I		College Physics I & Lab		College Physics II & Lab		Automated Manufacturing Systems		Social & Beh Sci or OR TECH 1313		Quality Control Technology		Heat Transfer App		Lang, Phil & Culture	
P: enrolled or completed MATH 1314 or 1332		P: MATH 2312 or equiv		P: PHYS 1301		P: Min of C- in MECT 1364		P: enrolled or completed MATH & ENGL core course		P: Min of C- in MECT 1364 & MATH 2312 or equivalents		P: Min of C- in MECT 3318 & 3331		Choose from core approved list	
HIST 1301 3 Hist		HIST 1302 3 Hist		ELET 2300 3 math		ELET 2307 3		TLIM 3363 3 WID		TLIM 3340 3		MECT ELEC 3 major		MECT ELEC 3 major	
The U.S. to 1877		The U.S. to 1877		Introduction To C++ Programming		Electrical-Electronic Circuits		Technical Communication		Organizational Leadership and Supervision		Approved Elective		Approved Elective	
P: None		P: None		P: MATH 2312		P: Completed or enrolled MATH 2312		P: ENGL 1302 with C or better		P: Enrolled or Taken TLIM 3363		Choose from approved list		Choose from approved list	
ENGL 1301 3 Comm		ENGL 1302 3 Comm		GOVT 2306 3 POLS		GOVT 2305 3 POLS		3		MECT ELEC 3 major		MECT ELEC 3 major		Free ELEC 3	
First Year Writing I		First Year Writing I		US & Texas Const & Politics		US Government		Creative Arts		Approved Elective		Approved Elective		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 3362 P: C- in MECT 1330 & 1364
 *MECT 3364 P: MECT 1364
 *MECT 3368 P: MATH 1431
 MECT 4323 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 3365 or equiv
 *MECT 4368 P: MECT 3367
 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 4330 P: C- in MECT 3365
 MECT 4341 P: C- in MECT 3365 & 4372
 MECT 4343 P: C- in MECT 3331 & 4372
 MECT 4345 P: C- in Chem 1301 & MECT 3318
 MECT 4397

Major courses
 Free Elective
 Core courses
 Departmental requirements
 * 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.