Engineering Technology: Mechanical Engineering Technology (SC-BST/ET/MET) 2022 Catalog year: College of Science and Engineering Freshman Freshman Sophomore Sophomore Junior Junior Senior Senior Fall semester Fall semester Spring semester Spring semester Fall semester Spring semester Fall semester Spring semester **TECH 3364** MGT 3303 MGT 4330 MATH 2471 MATH 2472 **TECH 3345** IE 3320 Management of Production & Operations (F,S,Su)(F,S,Su) (F,S) Engineering Statistics Lean Systems Calculus II Organizations Management Quality Assurance (F,S)TCCNS: MATH 2413 TCCNS: MATH 2414 (F,S,Su)(F,S,Su)Requires IE 3320 (F,S,Su)TECH 3373 PHYS 1430 PHYS 2425 **ENGR 3373** ENGR 3315 **TECH 1363 TECH 1393 TECH 4381 TECH 4382** (F,S) (F,S) Circuits & Devices (F,S,Su) Electricity & Magnetism Mechanics Mfge Processes I Mfge Processes II Senior Design I Senior Design II Engineering Economic TCCNS: PHYS 2425/ TCCNS: PHYS 2426/ (F,S)Analysis (F,S)(F,S)Check math prereqs 2325+2125 2326+2126 (ENGR 3373 requires PHYS 2425) Choose one from: **TECH 2344 TECH 3344 TECH 4392** Applied Thermofluids Power Technology (F.S) **(S) TECH 4330 TECH 3357** Check prerequisites CHEM 1335+1135 **TECH 2351** ENGR 2300 **TECH 4365** (F,S)TECH 3354 **TECH 4380** Statics & Strength of Engineering Chemistry Applied Dynamics Engineering Materials Machine Elements Industrial Safety Materials TCCNS: CHEM (F,S,Su)Also requires MATH 2472 (F) (F,S,Su)(F,S,Su) 1309+1109 CS 1342 **TECH 2190** (F,S)Programming for Scientists & Engineers Internship (Su) CS 1428 also accepted **TECH 4395** TECH 4396 TECH 1311 **TECH 2310** Engineering Design Auto Mfge System I Auto Mfge Systems II Graphics Intro to CAD (F,S,Su) (F) (S) **(S)** KEY: Core courses must be completed: This is not an official degree audit and it is subject to change. This TXST options: ENG 1310, ENG 1320, ENG 1321, COMM 1310 Arrows indicate prerequisites. _ 6 credits Core 010 3 credits Core 020 ET required course: MATH 2471 chart is intended to be used by students who start out at Texas Arrows with dotted lines indicate co-requisites. 6 credits Core 030 ET required courses: PHYS 1430 + CHEM 1335/1135 Arrows with dash lines are recommended prerequisites. State. Please contact the College of Science and Engineering 3 credits Core 040 ET required course: PHIL 1320 Courses taught in specific semesters are indicated with Undergraduate Advising Center for advising. ___ 3 credits Core 050 TXST options: ART 2313, DAN 2313, MU 2313, TH 2313 the following codes: ___ 6 credits Core 060 TXST options:[HIST 1310/2327/2381] and [HIST 1320/2328/2382] F-Fall Su-Summer Session I or II _ 6 credits Core 070 TXST options: POSI 2310 & POSI 2320 Note: In addition to major courses, students must also complete all

_ 3 credits Core 080

091, 092, 093, and 094

___ 6 credits Core 090,

ET required course: ECO 2301

US 1100 may be required for some students. Consult with an advisor regarding course choices.

ET required courses: MATH 2472 + PHYS 2425

S-Spring

4381

Required WI courses: TECH 3345, TECH 4380, TECH

core and minor requirements (if applicable) and any other

requirements for graduation.