

MECHANICAL ENGINEERING TECHNOLOGY (TCCNS)

Sample Three-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

YEAR ONE

FALL

PHYS 2426 , E. & M. (Cal 2, PHYS 1)	4
ENGR 1304 , Engineering Graphics	3
ENGR 2301 , Statics (Cal 1, PHYS 1)	3
COSC 1436 , Computer Science 1 (Cal 1)	4
Total Hours	14

SPRING

ENGR 2302 , Dynamics (Statics, Cal 2))	3
ENGR 2332 , Mechanics of Materials (Statics)	3
ENGL 2311 , Technical Writing (Communication Core)	3
ENGR 2405 , Circuit Analysis w/ Lab (PHYS 2)	4
Total Hours	13

YEAR TWO

FALL

ENGR 3450, Materials (PHYS 1 & CHEM)	4
MEET 3940, Fluid Mechanics (ENGR 2302, MATH 1720)	3
MEET 3990, Applied Thermo (ENGR2332,CHEM1410/1430)	3
MFET 3110, Machining Principles/Processes (MATH 1650)	3
Total Hours	13

SPRING

ELET 3980, Digital Controls of Industrial Processes	3
MEET 3650, Design of Mech Components (ENGR 2332)	3
MFET 4190, Quality Assurance (MATH 1720)	3
MFET 4210, CAD/CAM Sys Ops (MFET3110,ENGR1304,PHYS,CHEM,MATH)	3
MEET 3550, Geom Dimens & Toler (MFET3110,ENGR1304)	3
Total Hours	15

YEAR THREE

FALL

MEET 4050, Mechanical Design (MEET 3650)	3
MEET 4350, Heat Transfer Application (MEET3940,3990)	3
MEET 4780, Senior Design I (MFET4210,MEET4050,4350)	1
MFET 4200, Engineering Cost Analysis (MATH 1720)	3
Advanced Technical Elective	3
Total Hours	13

SPRING

MEET 4790, Sr. Design 2 (MEET 4780)	3
MEET 4360, Experimental Thermal Sci (MEET4350)	3
Advanced Technical Elective	3
Technical elective course	3
Total Hours	12

Must earn at least a grade of "C" and a minimum 2.0 GPA in Communication Core, ENGR 1304, MATH 1710, PHYS 1710/1730, TECM 2700, ENGR 2301 as foundations to enroll in advanced courses.

Must earn at least a grade of "C" in each course above except for most University Core courses.

GREEN = Community College Equivalent courses

*Credits Which Could Be Earned Prior to Enrollment at
UNT – AP, IB, CLEP, DC, Transfer:*

Communications Core **ENGL 1301** ENGR 1030 – **ENGR 1201**
 HIST 2610 – **HIST 1301** CHEM1410/1430–**CHEM1411**
 HIST 2620 – **HIST 1302**
 PSCI 2305 – **GOVT 2305**
 PSCI 2306 – **GOVT 2306**
 Creative Arts Core
 Language Philosophy Culture Core
 Social & Behavioral Science

*Credits Which Should Be Earned Prior to Enrollment at
UNT – AP, IB, CLEP, DC, Transfer:*

MATH 1710 – **MATH 2313 or 2413**
 MATH 1720 – **MATH 2314 or 2414**
 PHYS 1710 & 1730 – **PHYS 2425**

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.