

# MECHANICAL ENGINEERING TECHNOLOGY

## Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

YEAR ONE			
<b>FALL</b>		<b>SPRING</b>	
PHYS 2220, E. & M. (MATH 1720, PHYS 1710, 1730)	3	ENGR 2302, Dynamics (ENGR 2301, MATH 1720)	3
PHYS 2240, E. & M. Lab (MATH 1720, PHYS 1710, 1730)	1	ENGR 2332, Mechanics of Materials (ENGR 2301)	4
ENGR 2301, Statics (PHYS 1710, 1730)	3	ENGR 2405, Circuit (MATH 1720, co PHYS 2220, 2240)	3
CSCE 1030, Computer Science I (MATH 1650)	4	ENGR 2415, Circuits Lab (see above)	1
ENGR 1304, Engineering Graphics	<u>3</u>	TECM 2700, Technical Writing	<u>3</u>
Total Hours	14	Total Hours	14
<b>YEAR TWO</b>			
<b>FALL</b>		<b>SPRING</b>	
ENGR 3450, Materials (PHYS 1710, CHEM Reqt.)	4	ELET 3980, Digital Controls (MATH 1650 or higher)	3
MEET 3940, Fluid Mechanics (ENGR 2302, MATH 1720)	3	MEET 3650, Design of Mech. Components (ENGR 2332)	3
MEET 3990, Thermo. (ENGR 2332, CHEM Reqt.)	3	MFET 4190, Quality Assurance (MATH 1720)	3
MFET 3110, Mach. Principles & Processes (MATH 1650)	<u>3</u>	MFET 4210, CAD/CAM System Operations (see note 3)	3
Total Hours	13	Advanced Technical Elective	<u>3</u>
		Total Hours	15
<b>YEAR THREE</b>			
<b>FALL</b>		<b>SPRING</b>	
MEET 4050, Mechanical Design (MEET 3650)	3	MEET 4790, Senior Design II (MEET 4780)	3
MEET 4350, Heat Transfer Appl (MEET 3940, 3990)	3	MEET 4360, Exper. Thermal Sci. (MEET 3940, 3990, 4350)	3
MEET 4780, Senior Design I (see note 4)	1	Advanced Technical Elective	3
MFET 4200, Engineering Costs Analysis (MATH 1720)	3	Technical Elective	<u>3</u>
Advanced Technical Elective	<u>3</u>	Total Hours	12
Total Hours	13		

### Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or completion of MATH 1610 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: CHEM 1410 & 1430 requires MATH 1100, College Algebra, or placement into a higher level math course as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus, or placement into a higher level math course as prerequisite.

Note 3: MFET 4210 requires MFET 3110, ENGR 1304, & completion of all MATH, PHYS, & CHEM requirements as prerequisite.

Note 4: MEET 4780 requires completion of MFET 4210 and completion of or concurrent enrollment in MEET 4050 and MEET 4350.

**Must earn at least a grade of "C" & a minimum 2.5 GPA in Communications Core, TECM 2700, MATH 1710, PHYS 1710, PHYS 1730, ENGR 1304, & 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.**

Credits Which <u>Could</u> Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:	Credits Which <u>Should</u> Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:
Communications Core HIST 2610 HIST 2620 PSCI 2305 PSCI 2306 Creative Arts Core Language Philosophy Culture Core Social Behavioral Sciences Core	ENGR 1030 (via ENGR 1201)
	MATH 1710 MATH 1720 PHYS 1710 & 1730 CHEM 1410 & 1430

**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.**