

MECHANICAL and ENERGY ENGINEERING

Sample 3.5 –Year Schedule

Required prerequisite(s) indicated in parentheses & notes

YEAR ONE

FALL	
PHYS 2220, Elect & Mag Lecture (Cal 2; PHYS 1)	3
PHYS 2240, Elect & Mag Lab (co-req:PHYS 2220)	1
ENGR 1304, Engineering Graphics	3
MEEN 1000, Discovery (Pre-Cal)	2
MATH 2700, Linear Algebra (Cal 2)	3
MATH 2730, Multivariable Calculus/Cal 3 (Cal 2)	<u>3</u>
Total Hours	15

SPRING	
MEEN 2301, Mechanics 1 (MEEN 1000; PHYS 1)P	3
MATH 3410, Differential Equations	3
MEEN 2210, Thermo 1 (PHYS 1; Cal 2)	3
MEEN 2240, Programming/MATlab (MEEN 1000;MATH 2700)	3
TECM 2700, Technical Writing (Communication Core)	<u>3</u>
Total Hours	15

YEAR TWO

FALL	
MEEN 2302, Mechanics 2 (MEEN 2301; Cal 2)	3
MEEN 2332, Mechanics 3 (MEEN 2301)	3
MEEN 2110, Data Analysis (ENGR 1201; Linear Alg)	3
EENG 2610, Circuit Analysis (PHYS 2220 & 2240)	3
MTSE 3000, Materials (CHEM)	3
MTSE 3003, Materials Lab (co-req w/ MTSE 3000)	<u>1</u>
Total Hours	16

SPRING	
MEEN 3240, Lab 1 (MEEN 2110, 2210; MATH 3410)	2
MEEN 3120, Fluids (MATH 2700 3410; MEEN 2210,2332)	3
MEEN 3110, Thermo 2 (MEEN 2210)	3
MEEN 3250, Analytical Methods (MEEN 2240; MATH 3410)	3
MEEN 3130, Machine Elements (ENGR 2332)	<u>3</u>
Total Hours	14

YEAR THREE

FALL	
MEEN 3210, Heat Transfer (MEEN 3110, 3120, 3250)	3
MEEN 3242, Lab 2 (MEEN 3240)	1
MEEN 3230, Dynamics & Controls (MEEN 2302;MATH 2700,3410)	3
MEEN 3130, Machine Elements (MEEN 2332)	<u>3</u>
PSCI 2306, UNT Core	3
Total Hours	13

SPRING	
MEEN 4150, Sr. Design 1 (MEEN3130,3210,32303242;EENG2610)	3
MEEN 3100, Manufacturing (MEEN 3223; MTSE 3000 & 3003)	3
Energy Elective	3
Technical Elective	<u>3</u>
Total Hours	12

FINAL SEMESTER

FALL	
MEEN 4250, Capstone Design (MEEN 4150)	3
Energy Elective	3
Tech Elective	<u>3</u>
Total Hours	9

Notes:

**Must earn at least a grade of “C” and a minimum 2.0 GPA in Communication Core, Engineering Graphics, Linear Algebra, PHYS 2
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.

Credits Which Could 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 Science

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

MATH 1710 – Calculus I
MATH 1720 – Calculus II
PHYS 1710 & 1730 – University Physics (Statics) w/ lab
CHEM 1410/1430 – University Physics II (Electricity & Magnetism)
w/ lab

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.