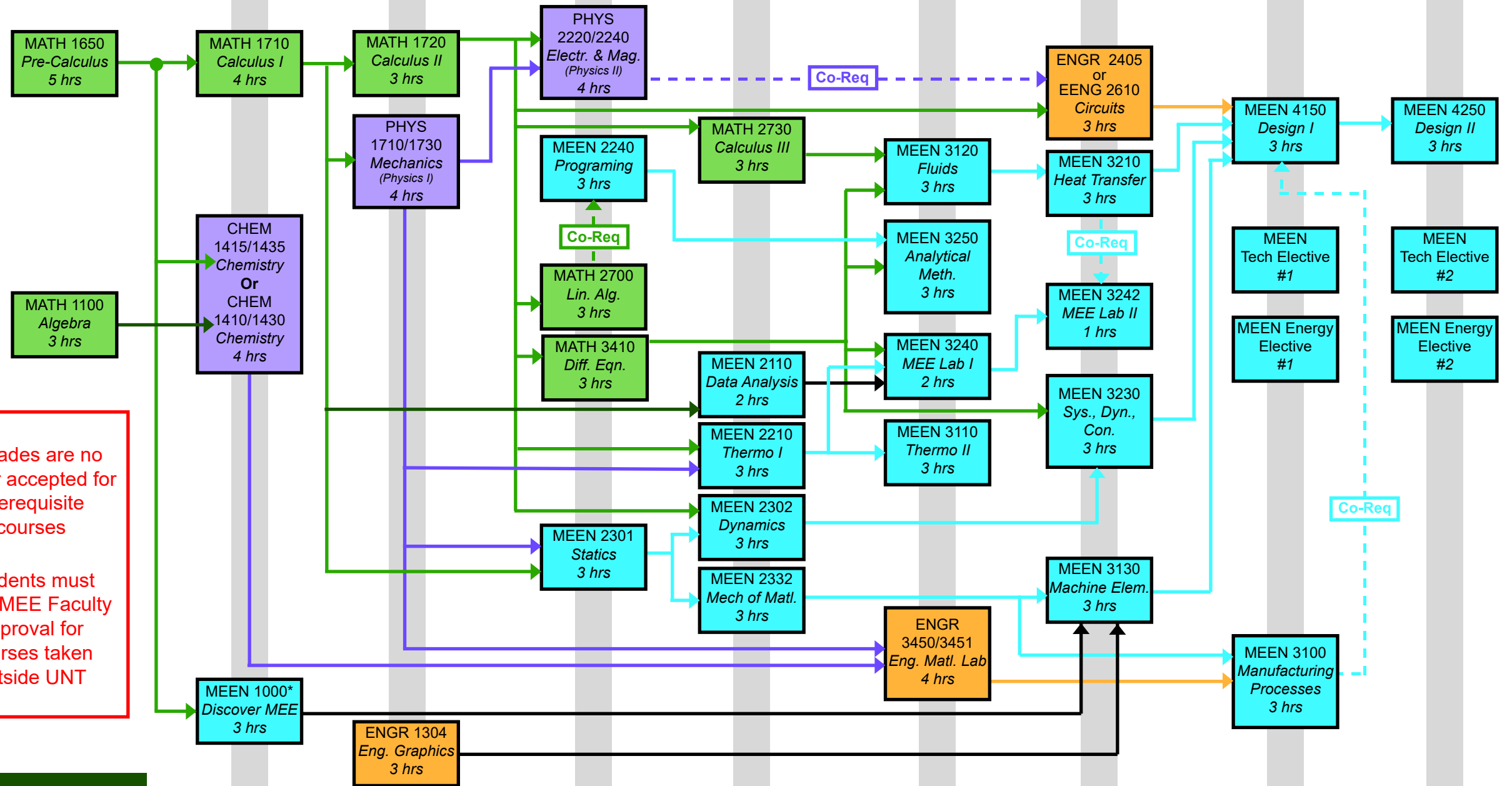


2016 FALL - 2017 SPRING - CATALOG

127 hrs

Freshman **Sophomore** **Junior** **Senior**

Fall Spring Fall Spring Fall Spring Fall Spring



D grades are no longer accepted for Prerequisite courses

Students must have MEE Faculty approval for courses taken outside UNT

UNT CORE

US HIST
ENGL COMP

TECM 2700
VIS. ART

POLITICAL SCI

US HIST
POLITICAL SCI

HUMANITY
SOCIAL & BEHAVIORAL SCIENCE

2016 Fall to 2017 Spring

| Course Number | | TYPE | Title | Pre-Requisites | | | | Co-Requisites | |
|---------------|------|--------|---|---|------------------------|-----------|--|---------------|-----------|
| MEEN | 3125 | ENERGY | Thermal Engineering Projects | MEEN 2210 | | | | MEEN 3110 | MEEN 3120 |
| MEEN | 4010 | ENERGY | Thermal Energy Storage (TES) | MEEN 3120 | MEEN 3210 | | | | |
| MEEN | 4110 | ENERGY | Alternative Energy Sources | MEEN 3110 | MEEN 3120 | MEEN 3210 | | | |
| MEEN | 4112 | ENERGY | Fundamentals of Nuclear Engineering | MEEN 3110 | MEEN 3120 | MEEN 3210 | | | |
| MEEN | 4120 | TECH | Aerospace Fundamentals | MATH 2700 | MEEN 3120 | MEEN 3230 | | | |
| MEEN | 4130 | TECH | Failure of Deformable Bodies | ENGR 2332 | ENGR 3450 | | | | |
| MEEN | 4140 | TECH | Finite Element Analysis | MATH 3410 | ENGR 2332 | ENGR 2302 | | | |
| MEEN | 4151 | TECH | Manufacturing of Renewable Biocomposites for Lightweight Energy Efficient Structure | ENGR 2301 | | | | | |
| MEEN | 4152 | TECH | Mechanics of Composites and Foams for Lightweight Energy Efficient Structures | ENGR 2332 | | | | | |
| MEEN | 4160 | TECH | Mechanical Vibrations | MATH 1720 | ENGR 2302 | | | | |
| MEEN | 4300 | ENERGY | Intermediate Thermodynamics | MEEN 3110 | MEEN 3120 | MEEN 3210 | | | |
| MEEN | 4310 | ENERGY | Intermediate Heat Transfer | MEEN 3110 | MEEN 3120 | MEEN 3210 | | | |
| MEEN | 4315 | ENERGY | Nanoscale Energy Transport Process | MEEN 3110 | MEEN 3120 | MEEN 3210 | | | |
| MEEN | 4320 | ENERGY | Mechanical Systems for Buildings | MEEN 3120 | MEEN 3210 | | | | |
| MEEN | 4330 | ENERGY | Introduction to Combustion Science and Engineering | MEEN 3110 | | | | | |
| MEEN | 4332 | ENERGY | Fundamentals of Air Pollution Engineering | MEEN 3110 | | | | | |
| MEEN | 4335 | ENERGY | Computational Simulation of Building Energy Systems | MEEN 3120 | MEEN 3210 | | | | |
| MEEN | 4340 | ENERGY | Energy Efficiencies and Green Building Design for Commercial Buildings | MEEN 3120 | MEEN 3210 | | | | |
| MEEN | 4350 | ENERGY | Energy Efficiencies and Green Building for Residential Buildings | MEEN 3120 | MEEN 3210 | | | | |
| MEEN | 4410 | ENERGY | Energy Harvesting System Design | MEEN 3230 | ENGR 2405 or EENG 2610 | | | | |
| MEEN | 4415 | TECH | Smart Materials and Structures | MEEN 3230 | ENGR 2405 or EENG 2610 | | | | |
| MEEN | 4488 | TECH | Introduction to Microfluidics | MEEN 3120 | | | | | |
| MEEN | 4510 | TECH | Electronic Manufacturing Technologies | MEEN 3100 | | | | | |
| MEEN | 4800 | TECH | Topics in Mechanical and Energy Engineering | Consent of instructor | | | | | |
| MEEN | 4810 | ENERGY | Topics in Mechanical and Energy Engineering | Consent of instructor | | | | | |
| MEEN | 4890 | | Directed Study in Mechanical and Energy Engineering | MEEN 2210 | | | | | |
| MEEN | 4900 | | Special Problems in Mechanical and Energy Engineering | Consent of instructor | | | | | |
| MEEN | 4910 | | Special Problems in Mechanical and Energy Engineering | Consent of instructor | | | | | |
| MEEN | 4920 | | Cooperative Education in Mechanical and Energy Engineering | Consent of Department | | | | | |
| MEEN | 4930 | TECH | Undergraduate Research | Consent of Department; enrollment in the Grad Track program | | | | | |