Application for Grad Track

What is "Grad Track": Grad Track option is a BS/MS accelerated program for MEE undergraduate students, the student can take a maximum of nine (9) credit hours of graduate courses while the student is completing the BS degree. These credits will be counted towards both the BS and MS degrees.

How does the "Grad Track" work: Here is the step-by-step process:
1. Student apply for the Grad Track option in the junior year (completed at least 75 credit hours with GPA of 3.5 or higher).
2. After the application is approved and have completed at least 90 credit hours, the students can start taking the graduate courses (MEEN 5110 Alternative Energy Sources, MEEN 5300 Advanced Thermodynamics, MEEN 5315 Nanoscale Energy Transport, or other MEE grad courses approved by MEE advisors) as technical electives or energy electives for the BS degree requirement. For the graduate courses to be counted for the MS degree later, the student should get B or above for the courses.
3. The student applies to Toulouse Graduate School within the first semester of the senior year. Once the student satisfied all coursework for BS degree and maintained a 3.0 or higher GPA, he/she will be fully admitted to the MS program.
4. The students must enroll in graduate school in the long semester after finishing his/her BS degree and should take the remaining graduate courses in the following year(s) to complete his/her MEEN-MS degree. If the student did not enroll in graduate school in the long semester after finishing his/her BS degree, those graduate course credit hours will not be counted anymore for the MS degree even if the student comes back for graduate school in the future.

Eligibility: To apply for the Grad Track option, the student needs to meet the following criteria:
1. Student should be a major in UNT Mechanical and Energy Engineering's BS program.
2. Student can apply for the Grad Track option from his/her junior year (completed at least 75 credit hours, a benchmark is if the student is ready for MEE Senior Design in the following Fall semester).
3. Minimum of 3.5 or higher cumulative GPA required at the time of application submission. Also prefer to have an average grade of 3.5 for MEE core courses (MEEN 2210, MEEN 3110, MEEN 3120, MEEN 3250).

How to apply:
1. Fill the following part of this form.
2. Attached a copy of unofficial UNT transcripts
3. Attached two recommendation letters from MEE faculty members
4. Submit the signed application form, transcripts, recommendation letters to MEE office.

Name: ___________________________  Student I.D.: ______________

Family Name  First  Middle

Address: ____________________________  Current Telephone: ________ 

City  State  Zip

Current UNT GPA: ____________________________

MEE OFFICE USE ONLY:  __________ Admission  __________ Conditional Admission  __________ Denied Admission

Comments (if any): ____________________________

Undergraduate Advisor: ____________________________  Date: ________  Graduate Advisor: ____________________________  Date: ________

Mail your application to:
Grad Track Applications
UNT Department of Mechanical & Energy Engineering
P.O. Box 311098
Denton, Texas 76203

OR

You may bring it to our office located at:
North Texas Research Park
3940 North Elm Suite F101
Denton, TX 76207
MEEN Grad Track Courses
Updated for 2016-2017

Energy Elective

MEEN 5000 - Energy: The Fundamentals
MEEN 5110 - Alternative Energy
MEEN 5112 - Nuclear Energy
MEEN 5150 - Thermal Energy Storage System and Applications
MEEN 5200 - Principles of HVAC
MEEN 5210 - Solar Energy
MEEN 5220 - Computational Fluid Dynamics and Heat Transfer
MEEN 5240 - Energy: A World Perspective
MEEN 5300 - Advanced Thermodynamics
MEEN 5315 - Nanoscale Energy Transport
MEEN 5330 - Combustion Science and Engineering
MEEN 5332 - Air Pollution Control Engineering

Technical Elective

MEEN 5140 - Advanced Mathematical Methods for Engineers
MEEN 5152 - Mechanics of Composites (new addition Sp15)
MEEN 5340 - Advanced Fluid Mechanics
MEEN 5410 - Solid Mechanics
MEEN 5420 - Continuum Mechanics
MEEN 5510 - Manufacturing Process for Biocomposites
MEEN 5600 - Feedback Control of Dynamical Systems
MEEN 5610 - Sensors and Actuators
MEEN 5800 - Topics: Mechanical Vibrations
MEEN 5800 - Topics: Impact Mechanics of Materials
MEEN 5800 - Topics: Experimental Design in Engineering
MEEN 5800 - Topics: FEA