

**University of North Texas**  
**Master of Science in Engineering Technology**  
**Degree Plan: Mechanical Systems (Thesis Option – 30 hours)**

Student Name	UNT ID	Signature
Local Telephone	Email	Date

Major Professor:	Signature/Date
Committee Member*:	Signature/Date
Committee Member:	Signature/Date
Committee Member:	Signature/Date
Committee Member**:	Signature/Date

\* 3 members from Mechanical Engineering

\*\* The participation of an Industry Committee Member is strongly encouraged

Graduate Program Committee Chair: Seifollah Nasrazadani	Signature/Date
Department Chair: Kuruvilla John	Signature/Date

Other Requirements	Expect to Complete Semester/Yr.	Comments
English Proficiency		
Leveling Course(s)		
Thesis Proposal Presentation		

- Course offerings vary from year to year and are based on enrollment and resources. The Major Professor and the student are advised to tailor the degree plan based on course availability.
- At least 18 hours of coursework must be Engineering Technology Courses.
- Courses registered without Advisor’s approval or any unapproved deviations from the degree plan result in no credit toward degree requirements. **Student initials:** \_\_\_\_\_
- The Thesis Proposal must be presented during the first semester the student is registered in MSET 5950. Consult with Major Professor. **Student initials:** \_\_\_\_\_
- The responsibility for adhering to Graduate School, College and Departmental requirements rests entirely with the student. Application for graduation must be filed in the Graduate School Office before the deadline in force during the final semester. Consult the Toulouse Graduate School and the Graduate Catalog for further information <http://tsgs.unt.edu/>

## MECHANICAL SYSTEMS THESIS DEGREE PLAN (30 HOURS)

BLOCK A - 9 Hours	EXPECT TO COMPLETE SEMESTER / YR	COMMENTS
MSET 5020 Design of Experiments (3)		Offered Fall/Spring as needed
MSET 5040 Analytical Methods for ET (3)		
MSET 5050 Project Supervision in ET (3)		
<b>BLOCK B – Select 15 hours</b>		Consult with Major Professor
MSET 5030 Product Design and Development (3)		Normally Fall Offerings
MSET 5150 Applications of Electron Microscopy and Failure Analysis (3)		
MSET 5160 Creep and Fatigue in Engineering Design and System Performance (3)		Normally Spring Offerings
MSET 5100 Nontraditional Manufacturing (3)		
MSET 5170 Thermal Management (3)		Normally Fall Offering
MSET 5140 Applied Engineering Vibration (3)		Normally Spring Offerings
MSET 5800 Studies in ET (1-3)		Offered in Fall/Spring / Major Professor Approval Required
Graduate Elective (3)*		
<b>BLOCK C - 6 Hours</b>		
MSET 5950 Master's Thesis		Major Professor Approval Required
* Graduate Elective List of recommended courses include: MEEN 5110, 5200, 5210; MTSC 5020, 5100, 5210		

Course substitution, notes, or additional comments	Date

<b>The student is admitted to candidacy/approved by:</b>	
<b>Toulouse Graduate School</b>	
Name:	Signature / Date: