UNIVERSITY OF NORTH TEXAS
Department of Electrical Engineering
Master's Degree Plan

The *original copy* of this form must be submitted to the Electrical Engineering Student Services Coordinator (Jason Mieritz)

Name:_____   ID: _____

Email:_____   Phone: _____

Home address: _____

Master's degree to be earned: <u>Master of Science</u>   Major: <u>EENG</u>   Minor: (optional)_____

Any deficiencies in undergraduate prerequisites_____

Responsibility for reading catalog requirements and for knowing when program has been completed rest entirely upon the student. Application for graduation must be filed with the Graduate School office BEFORE the deadline date in force during your final semester. See the Academic Calendar for graduation deadlines.

The number of UNT off-campus residence courses which may be applied to the master's degree is limited by state regulations. Consult the Office of the Graduate Dean for information concerning this restriction.

Identify transfer courses with school abbreviation and date completed. Official transcripts of transfer work must be filed before courses can be approved.

Students completing a **thesis** must register for **EENG 5950** for a <u>minimum</u> of <u>six hours</u> and maintain <u>continuous enrollment</u>.

Courses to be completed for the Master's degree

Course Prefix & Number	Term Taken	Grade & Hours	Course Prefix & Number	Term Taken	Grade & Hours
*EENG CORE		3	***EENG CORE**		3
EENG		3	EENG		3
EENG		3	EENG		3
EENG		3	EENG		3
EENG		3	EENG		3

*Required EE core

Total Semester Hours Required_____

_____
Semester of First Course -- Semester of Completion

_____
Approver (Signature)   (PRINT)

_____
Second Approver (Signature)   (PRINT)

_____
Thesis Committee Member (Signature)   (PRINT)
(Required only if student is completing a thesis)

_____
Thesis Committee Member (Signature)   (PRINT)
(Required only if student is completing a thesis)

_____
Thesis Committee Member (Signature)   (PRINT)
(Required only if student is completing a thesis)

_____
Thesis Committee Member (Signature)   (PRINT)
(Required only if student is completing a thesis)

_____
Final Approver   Date

_____
Graduate Dean, Graduate School   Date

MSEE Degree requirements

Core courses:

Systems and control area
- EENG 5310 - Control Systems Design
- EENG 5320 - Systems Modeling and Simulation

Communication and signal processing area
- EENG 5610 - Digital Signal Processing
- EENG 5810 - Digital Communications

Digital systems
- EENG 5520 - Design and Testing of Digital Systems
- EENG 5540 - Digital Integrated Circuit Design

Microwave, analog and RF systems
- EENG 5410 - Microwave Engineering
- EENG 5530 - Analog Integrated Circuit Design

Option A, Thesis option
Students are required to complete at least 30 hours in electrical engineering as specified below.
Electrical engineering core courses, 6 hours
Students are required to complete 6 hours from the list of electrical engineering core courses with a grade of B or better.
Electrical engineering electives, 15-18 hours
In addition to 6 hours of electrical engineering core courses, students are required to complete at least 15 hours of organized graduate courses in electrical engineering, excluding EENG 5932, EENG 5890, EENG 5900, and EENG 5950.
Directed study and special problems courses, 0-3 hours
Students may apply no more than 3 hours of EENG 5890 or EENG 5900 to the degree.
Master's thesis, 6 hours
Students are required to complete 6 hours of EENG 5950.

Option B, Non-thesis option
Students are required to complete at least 30 hours in electrical engineering as specified below.
Electrical engineering core courses, 6 hours
Students are required to complete 6 hours from the list of electrical engineering core courses with a grade of B or better.
Electrical engineering electives, 21-24 hours
In addition to 6 hours of electrical engineering core courses, students are required to complete at least 21 hours of organized graduate courses in electrical engineering, excluding EENG 5932, EENG 5890, EENG 5900, and EENG 5950.
Directed study or special problems courses, 0-3 hours
Students may apply no more than 3 hours of EENG 5890 or EENG 5900 to the degree.