

# TELECOMMUNICATIONS & NETWORKING

## 2009 PROGRAM REQUIREMENTS

### Requirements for the MSE degree in Telecommunications and Networking

Students must complete 10 course units, following the requirements below. If a Master's thesis is done, it will count for 2 course units (2 c.u. of ESE 999).

#### The four-part requirements are as follows:

- A. Two Courses (2) in Required Core
- B. Three (3) TCOM Electives
- C. Two (2) Technical Electives
- D. Three (3) Other Electives

#### **A. Two (2) courses from Required Core:**

TCOM 500 Introduction to Networks and Protocols  
TCOM 502 Advanced Networking Protocols

#### **B. Three (3) TCOM Electives:**

Any three TCOM courses

#### **C. Two (2) Technical Electives:**

Two course units from any graduate offerings in: TCOM, ESE, CIS, CIT or ENM courses

#### **D. Three (3) Other Electives:**

Three course units from any graduate courses offered in TCOM, ESE, CIS, ENM, EAS or Wharton courses.

#### NOTES:

1. **Thesis Option-** Students who would like to complete a thesis may take two (2) units of TCOM 999 (Thesis Research).
2. A maximum of two CIT course is allowed for the MSE in TCOM degree
3. A maximum of one course unit of Independent Study (TCOM 899) is allowed
4. A maximum of two graduate-level course units may be transferred from another school to apply toward the MSE degree. These two courses should not have been used in fulfillment of any other degree(s).
5. Lockheed-Martin Transfer credit: Lockheed Martin students must petition for transfer credit in person, and bring a letter from the Company (your supervisor), clearly stating which Advanced Courses you completed and the final grade(s) awarded. All documents should be given to Betty Gentner, located in 111 Towne Building.
6. Full time Master's degree students can register for three to five courses maintaining a 2.7 GPA. **A 2.7 GPA IS REQUIRED TO GRADUATE WITH YOUR MSE DEGREE FOR THOSE STUDENTS ENTERING FALL 2007 AND LATER.**
7. Disallowed courses for any graduate degree in SEAS: A reminder that no undergraduate level courses, including those in SEAS, may be taken for a graduate degree requirement. **GAFL 502: Public Speaking** can **not** be used towards your MSE degree in engineering. There are courses that appear at the graduate level that are being offered by other parts of the University that will **not** be approved for SEAS graduate degree requirements. These include courses being offered in specialized and professional training programs, such as the Organizational Dynamics Program, the Wharton Certificate Programs for Working Professionals, and the Wharton Evening School.

**Please read the ESE Graduate Study Handbook for MSE programs for additional information on policies and procedures. The revised 2009-10 handbook will be available online August 2009.**