TELECOMMUNICATIONS & NETWORKING
2011-12 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 TCOM 597).

The four-part requirements are as follows:
A. Two Courses (2) in Required TCOM Courses
B. Three (3) TCOM Electives
C. Two (2) Technical Electives
D. Three (3) Other Electives

A. Two (2) courses from Required TCOM Courses:
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 597(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 599) 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 an undergraduate degree.
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.
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.

ESE Graduate Study Handbook-www.ese.upenn.edu/grad/mse.html