Dual/Accelerated BS to MS in Electrical and Computer Engineering

The dual/accelerated BS to MS in electrical and computer engineering (MSECE) offers outstanding undergraduate students in electrical engineering or computer engineering the opportunity to pursue both the bachelor’s and master’s in unison and in an accelerated time frame.

Admission
To be considered for admission to the dual/accelerated MSECE program, a student must have successfully completed at least 90 credit hours with a cumulative GPA of 3.000 or higher in the bachelor’s degree.

Program Requirements
Up to 9 technical elective credit hours numbered 700-level or above can be used for both BS and MSECE programs. Each MSECE student chooses a major specialization area. Current major areas in the department are: communication and signal processing; computing systems; control systems and robotics; and power and energy systems. Any of these can be chosen as a major area. There are three options to complete the MSECE degree.

Thesis Option (30 credit hours), including:
• At least 9 credit hours of courses from a major area, of which at least 3 credit hours must be numbered at the 800-level or higher; and
• EE 876 Master’s Thesis, 6 credit hours

Project Option (33 credit hours), including:
• At least 9 credit hours of courses from a major area, of which at least 3 credit hours must be numbered at the 800-level or higher; and
• EE 878 Master’s Directed Project, 3 credit hours

Coursework Option (36 credit hours of courses), including:
• At least 12 credit hours of courses from a major area;
• At least 9 credit hours must be 800-level or higher, and at least 6 credit hours must be in the major area;
• At least 3 credit hours must be courses with a research writing and presentation component; and
• At least 27 credit hours of courses chosen from all the MSECE major and/or other EECS graduate-level courses.