

PHD Qualifier – Proposal

Revised on 9/13/13

All students must satisfy the EECE Core requirements. Satisfactory completion means to obtain a grade of B or better in four 7000/8000 courses as follows.

- In the required EECE 7001/8001 Professional Development course, and
- in three selected courses, one course from each core area below, or by taking the final exam for any of these courses and obtaining a B or better, or by providing adequate documentation of having obtained B or better in a similar course at another graduate program.

A maximum of two attempts are allowed for each course, and must be made within three semesters, excluding summer, of entering the program.

EECE Core Areas:

1. Electrical Engineering:

EECE 7211/8211 Advanced Electromagnetic Field Theory

EECE 7231/8231 Communications Electronics

EECE 7233/8233 Power Electronics

EECE 7234/8234 VLSI

EECE 7252-8252 Information Theory

EECE 7902/8902 Power Systems Stability & Control

2. Signals and Systems:

EECE 7100/8100 Linear Systems Analysis

EECE 7215/8215 Digital Signal Processing

EECE 7243/8243 Fourier Optics

EECE 7245/8245 Statistical Optics

EECE 7251/8251 Random Signals and Noise

3. Computer Engineering:

EECE 7012/8012 Foundations in Software Engineering

EECE 7214/8214 Image Processing

EECE 7216/8216 Computer Vision

EECE 7217/8217 Multimedia Information Processing

EECE 7266/8266 Intelligent Systems

EECE 7740/8740 Neural Networks