

# PhD Degree Requirements - ECEN

Doctor of Philosophy in Electrical and Computer Engineering Degree Requirements: Minimum 96 credit hours beyond bachelor's degree, including: - Coursework: 64 credit hours minimum - Dissertation: 32 credit hours (ECEN 691) Coursework Distribution: - Major area: 24 credit hours minimum - Minor area: 12 credit hours minimum - Supporting courses: 28 credit hours minimum Major Areas of Study: 1. Communications, Networks, and Signal Processing 2. Computer Engineering 3. Electromagnetics and Microwaves 4. Electronic Devices and Materials 5. Power and Energy Systems 6. Control Systems Qualifying Examination: - Written exam in major area - Must be passed within 3 attempts - Typically taken after 2 years of study Preliminary Examination: - Oral defense of dissertation proposal - Formation of dissertation committee - Must be completed before final year Final Examination: - Oral defense of completed dissertation - Open to university community Residency Requirement: - Minimum 2 consecutive semesters in residence - Full-time enrollment required