Direct Ph.D. in Computer Engineering

- Computer Systems (CS)
- Electrical Engineering (EE)

6 Core Credits + 24 Area Credits + 0-6 Reading and Conf. + 12-18 Research + 12 Dissertation + 18-24 Elective = 84 Credit Hours

6 Credit Hours Core Courses

- EEE 554 Random Signal Theory
  Semester: ______ Year: ______
- CSE 551 Foundations of Algorithms
  Semester: ______ Year: ______

24 Credit Hours Area Courses

- Selection of graduate-level CEN area courses satisfying the CEN Mandatory Degree Concentration Requirement:
  - CEN-CS Concentration: 9 credits CSE or CEN and 3 credits EEE or CEN
  - CEN-EE Concentration: 9 credits EEE or CEN and 3 credits CSE or CEN

- At least 6 credit hours of graduate-level courses covering two (2) of the five (5) CEN Areas of Study.
  - Course __________________ Area __________________ Semester: ______ Year: ______
  - Course __________________ Area __________________ Semester: ______ Year: ______
  - Course __________________ Area __________________ Semester: ______ Year: ______
  - Course __________________ Area __________________ Semester: ______ Year: ______
  - Course __________________ Area __________________ Semester: ______ Year: ______
  - Course __________________ Area __________________ Semester: ______ Year: ______

Reading & Conference

- At most 6 credit hours of CEN 790: Reading and Conference
  - Semester: ______ Year: ______
  - Semester: ______ Year: ______

Research

- At least 12 and at most 18 credit hours of CEN 792: Research
  - Credits: ______ Semester: ______ Year: ______
  - Credits: ______ Semester: ______ Year: ______
  - Credits: ______ Semester: ______ Year: ______
  - Credits: ______ Semester: ______ Year: ______
  - Credits: ______ Semester: ______ Year: ______
  - Credits: ______ Semester: ______ Year: ______

Dissertation

- 12 credit hours of CEN 799: Dissertation
- A successful oral dissertation defense

CEN Areas of Study

- Autonomous Systems and Robotics – ASR
- Communications and Networks – CN
- Distributed, Dependable and Secure Systems – DDSS
- Multimedia and Signal Processing - MSP
- VLSI, Architecture, and Embedded Systems – VAES

Updated 9/2017
Electives Courses

☐ At least 18 and at most 24 credit hours of approved graduate-level elective courses

• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________

Additional Courses - If required by Faculty Advisor or Program Chair

• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________
• Course ____________ Semester:__________ Year:__________

Comprehensive Examination and Dissertation Prospectus

Semester:_______ Year:________ Passed (Y/N):_____