

## Graduate Studies in Electrical, Computer, and Software Engineering

### *Frequently Asked Questions*

#### 1) *What graduate degrees do you offer?*

- We offer a Master's degree in electrical engineering (MSEE), a Master's degree in software engineering (MSSE), and a doctoral degree in engineering (D.Eng.).

#### 2) *What does it take to obtain a Master's degree in Electrical Engineering?*

- Thesis option: 24 hours of coursework and 6 hours of thesis
- Non-thesis option: 32 hours of coursework

#### 3) *What does it take to obtain a Master's degree in Software Engineering?*

- Thesis option: 28 hours of coursework and 6 hours of thesis.
- Non-thesis option: 32 hours of coursework and 4 hours of project

#### 4) *What are the tuition costs for the Master's program?*

- \$439.25 per credit hour for Ohio residents
- \$834.25 per credit hour for non-residents and international students

#### 5) *Do you offer financial aid to students?*

- Although we cannot give financial aid to every qualified student, many students receive financial aid in various forms.
  - ✓ Partial or full tuition waivers
  - ✓ Graduate assistantships, typically paid for from a professor's research grant
  - ✓ Hourly employment as teaching or research assistants
  - ✓ Students receiving aid must meet minimum enrollment requirements

#### 6) *What are some of the research areas of the faculty?*

- Software engineering
  - ✓ Data mining
  - ✓ Distributed systems and wireless sensor networks
- Computer engineering
  - ✓ Digital electronics and embedded systems
  - ✓ Computer architecture and computer networks
  - ✓ Mobile and fault-tolerance computing
  - ✓ Computer and network security
- Control systems
  - ✓ Micro-electro-mechanical systems and bioelectronics
  - ✓ Active disturbance rejection control
  - ✓ Computer intelligence

- Communication systems
  - ✓ Robust communication systems
  - ✓ Spread spectrum techniques
  - ✓ Modulation and coding schemes
- Power electronics and power systems
  - ✓ Electric machines and drives
  - ✓ High power electronics
  - ✓ Power systems operations and control

7) *Is it realistic to complete a graduate study program while being employed full-time?*

- Yes! Most of our graduate courses start at 4:00 pm or later. Many of our students work full-time and take afternoon and evening courses. In addition, many companies pay for their employees' tuition. Your graduate advisor will work with you to design a plan of study which maintains high academic standards while still allowing you to meet work and family obligations.

8) *What is the minimum GPA required for admission to the Master's Program? Do I need to take the GRE?*

- You must have an undergraduate GPA of at least 2.75 for admission.
- The Graduate Record Examination (GRE) is needed only if your undergraduate GPA is below 3.0, or if your undergraduate degree was granted outside the US and Canada, or if your undergraduate institution is not accredited.
- If the GRE is required, you must obtain a score of at least 650 on the quantitative portion.

9) *What does it take to obtain a Doctor of Engineering degree?*

In addition to course requirements, the doctoral degree requires substantial, original, and innovative research, and the preparation and defense of a doctoral dissertation.

- You must complete a minimum of 30 credit hours of course work beyond the Master's degree.
- You must complete 30 credit hours of dissertation credits.
- You must pass a qualifying examination covering fundamental math and engineering topics.
- You must pass a candidacy exam in which you propose and defend your planned doctoral research.

10) *What GPA is required for admission to the doctoral program? Do I need to take the GRE?*

- You must have a Master's degree to be considered for admission to the doctoral program.
- Your Master's GPA must be 3.25 or greater.
- The Graduate Record Examination (GRE) is needed only if your Master's degree was granted outside the US and Canada, or if your Master's institution is not accredited.
- If the GRE is required, you must score at the 80th percentile or above on the quantitative portion.

11) *What are the admission deadlines?*

- All supporting materials (official transcripts, GRE scores, and letters of recommendation) should be on file in the Office of Graduate Admissions at least six weeks prior to the start of the academic term of desired admission.

12) *Whom should I contact if I need more detailed information?*

- For the MSEE and D.Eng. degrees, contact Professor Dan Simon at [d.j.simon@csuohio.edu](mailto:d.j.simon@csuohio.edu)
- For the MSSE degree, contact Professor Yongjian Fu at [y.fu@csuohio.edu](mailto:y.fu@csuohio.edu)

13) *How do I apply?*

The application process is almost entirely electronic. See [www.csuohio.edu/gradcollege/admissions](http://www.csuohio.edu/gradcollege/admissions).