MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING (ME)

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The Master of Engineering in Electrical Engineering is designed to provide advanced practical and theoretical training in the foundational disciplines of electrical engineering. Graduates are prepared to excel in positions in the public or private sector that require graduate-level knowledge and judgement to solve problems in communications, photonics, signal and information processing, electronics, electric power, and related fields. Focus areas in Photonic Systems & Networks and in Information Processing & Transmission are defined as optional specializations available to students.

DEGREE REQUIREMENTS

The Master of Engineering program in Electrical Engineering requires 30 credits

All students are required to complete the following core courses:

- Probability Theory and Stochastic Processes in Engineering
- Advanced Signal Processing
- Networking Systems & Protocols
- Semiconductor Devices

The remaining six courses will be chosen from those offered within the program, including:

- Advanced Digital Communications
- Information Theory
- Photonic Devices
- Principles and Practice of Secure Networking
- Data Modeling and Compression
- Estimation, Detection, Learning and Inference
- Photonic Systems & Networks
- Principles and Practice of Machine Vision
- Fundamentals of Wireless Communications
- Master’s Advanced Research Project (may be taken no more than twice for credit.)
- Master’s Topical Study Project (may be taken no more than once for credit.)

As part of the 30-credit requirement, candidates must successfully complete one of the following options to earn the degree:

1. Topical study project carrying three credits; or
2. Research/design project carrying three to six credits; or
3. Comprehensive examination carrying no credit.
ADMISSION REQUIREMENTS

- Bachelor’s degree in electrical engineering or a closely related field

Candidates who are deficient in one or more undergraduate engineering courses may be accepted on the expectation that they will make up the deficiency without receiving graduate credit for it.

APPLICATION PROCEDURES

Graduate Application: The application must be completed online at www.csi.cuny.edu/graduatestudies.

Transcripts: Applicants must request official transcripts from all post-secondary institutions attended. If you are currently enrolled in a post-secondary institution, have one transcript sent now and another sent when you complete the courses that you are taking. Applicants who have been enrolled at CSI do not need to request a CSI transcript; the Office of Recruitment and Admissions will obtain a copy.

Application Fee: A $125.00 non-refundable application fee is required of all applicants. Please make your check or money order payable to the College of Staten Island.

Letters of Recommendation: Two letters of recommendation are required from professors, supervisors, or other mentors familiar with their achievements.

Personal Statement: Applicants must provide a one page personal statement which expresses their goals and philosophy for studying and practicing electrical engineering.

Graduate Record Examination (GRE): Applicants are encouraged to submit scores for the General Aptitude Test. For additional information or to register for the exam, please visit www.gre.org. Our institutional code for the GRE is 2778.

TOEFL or IELTS: The TOEFL or IELTS exam is a requirement of students for whom English is a second language.

Test of English as a Foreign Language (TOEFL): The minimum required score is 73 (Internet). For additional information or to register for the exam, please visit the TOEFL website at www.ets.org. Our institutional code is 2778.

International English Language Testing System (IELTS): We will only accept the academic exam scores. The minimum required score is 6 (overall band). For additional information or to register for the exam, please visit the IELTS website at www.ielts.org.

All documents must be submitted to the Office of Recruitment and Admissions.

Mailing Address:

Office of Recruitment and Admissions, Graduate Unit
College of Staten Island, CUNY
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