# Certificate of Departmental Approval
## Master of Science in Engineering
## Electrical and Computer Engineering

Name: _____     Hopkins ID#: _____

Faculty Advisor: _____     Graduation Date: _____

**Requirements:**

1.  Satisfactory completion of eight one-semester graduate courses. All require advisor approval. Seminar courses (e.g. 520.601) and special studies courses may not be used.

    1.A. Five courses must come from the full-time ECE department (520.XXX), and be 600 level or above. These courses may not include primarily research/independent study courses (e.g.520.700, 520.800, 520.801, etc.)

| | Course No. | Course Title | Grade | Sem/Year | Transfer | BS/MSE |
|---|---|---|---|---|---|---|
| 1. | 520. | | | | | |
| 2. | 520. | | | | | |
| 3. | 520. | | | | | |
| 4. | 520. | | | | | |
| 5. | 520. | | | | | |

1.B Additional courses must be level 600 (WSE) / 400 (KSAS) or above.  One course may be a primarily research/independent study course (e.g. 520.800, 520.801, 520.806 etc.)

| | Course No. | Course Title | Grade | Sem/Year | Transfer | BS/MSE |
|---|---|---|---|---|---|---|
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |

2.  **One** of the following three options must be completed (mark the selected option)

    2.A. _____ Two additional graduate courses. One must satisfy the requirements of 1A above. Independent/research courses can count here, but must include a report.

| | Course No. | Course Title | Report | Grade | Sem/Year | Transfer | BS/MSE |
|---|---|---|---|---|---|---|---|
| 9. | | | | | | | |
| 10. | | | | | | | |

    2.B. _____ Completion of a special project report, or

    2.C. _____ Master's essay

    Either of these choices requires approval by faculty member eligible to supervise ECE doctoral dissertations

    Title: _____

    Advisor: _____

3.  **Successful completion twice of the ECE seminar course (520.895) and Responsible Conduct of Research**

| Course No. | Course Title | Grade | Sem/Year |
|---|---|---|---|
| 520.895 | Electrical and Computer Engineering Seminar | | |
| 520.895 | Electrical and Computer Engineering Seminar | | |
| AS.360.624/625 | Responsible Conduct of Research | | |

**Notes:**

The requirements for the MSE degree in Electrical and Computer Engineering (ECE) are as follows:

1. Satisfactory completion of eight one-semester graduate courses approved by the advisor. One Independent Study, or Research Course (dissertation or masters) may be used as one of the 8 courses. ECE Seminar or Special Studies cannot be counted towards this requirement. Courses must be level 600 or above (WSE) or 400 or above (KSAS). At least five of these courses must come from the full-time ECE department (520.xxx). These 5 cannot include the independent study or research courses.

2. Fulfilling <u>one</u> of the following three requirements:

    2.A. Satisfactory completion of two additional one-semester graduate courses approved by the advisor, one of which must come from the full-time ECE department (520.xxx). This can include Independent Studies or Research Courses (dissertation or masters) accompanied by the research report.

    2.B. Completion of a special project acceptable to a member of the ECE faculty and writing the corresponding report. A copy of this report must be submitted to the ECE office and becomes a permanent part of the student's record.

    2.C. Write an MSE essay acceptable to a member of the ECE faculty. The MSE essay must be submitted to the library and must follow the guidelines described in https://www.library.jhu.edu/library-services/electronic-theses-dissertations/

3. To fulfill requirements 1 or 2, a course is satisfactorily completed if a grade of C- or higher, or a "P/S" is obtained. No more than one C+, C, or C- and/or P/S grade can be counted toward the degree requirements.

4. Subject to the approval of the advisor, students may transfer up to two courses from outside JHU provided that they were completed after the undergraduate degree was conferred and have not been applied to a degree elsewhere. Students must provide a transcript before these courses can be counted. These courses cannot count for any of the 520.xxx requirements.

5. Every graduate course designated Independent Study, Dissertation Research, or Special Studies counted toward the M.S.E. degree must include a written report. A copy of the report will become a part of the student's permanent file.

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This is to certify that _____ has satisfied all of the academic requirements laid down by the Department for granting a Master of Science in Engineering Degree in the Department of Electrical and Computer Engineering.

| | |
|---|---|
| _____ | _____ |
| Advisor's Signature | Date |