The Ph.D. Requirements for Computer Engineering Student Holders of M.S. Degree

December 2, 2008

The following is the Computer Engineering policy for Ph.D. students and supersedes previous policy.

1. Students must take at least 18 credits of appropriate graduate course work. Of these a maximum of 3 credits may be ECE 6099(320). Any further ECE 6099(320) credits will certainly be shown on the Plan of Study, but are additional to the eighteen required. With the approval of the student’s Advisory Committee, a maximum of 9 credits can be GRAD 6950(495).

2. The foreign language/related area can be satisfied in two ways: either by six credits of graduate work in any single technical area (such as Statistics, Physics, Mathematics, another Engineering field); or by any foreign language. If the latter is chosen, then rather than 18 credits of course work in item 1, the student must take 24 credits.

3. The student’s Plan of Study will therefore show either (a minimum of) 6 ECE graduate courses (18 credits) plus 2 related-area graduate courses (6 credits); or (a minimum of) 8 graduate courses (24 credits) and a foreign language.

4. The seminar ECE 6094(311) has to be taken for credit at least twice by giving a talk, e.g., on a conference paper to be presented by the student. For full-time students, attendance of this seminar is required every semester.

5. A minimum of 15 credits of GRAD 6950(495) (Ph.D. dissertation research), including the possible 9 credits of GRAD 6950(495) in item 1. Thus the requirements of items 1 and 5 satisfy the minimum UConn requirement of 24 credits.

6. The student’s Advisory Committee has the final word on all Plan of Study matters.

The Ph.D. General Exam consists of:
- 4 exams on Computer Systems and Architecture, VLSI Design, and Digital Logic Design
- 2 exams from the Information, Communication, Decision, and Biosystems group or the Electronics, Photonics, and Biophotonics group.

After the Plan of Study is approved, a PhD dissertation Prospectus should be submitted.

Minimum research publications requirements:
- By the time of the prospectus: 2 conference proceedings full papers accepted
- By the time of the Ph.D. defense: 2 research journal papers accepted
- All with primary authorship by the student.
The Ph.D. Requirements for Computer Engineering Student Holders of B.S. Degree

December 2, 2008

The following is the Computer Engineering policy for Ph.D. students starting with a B.S. degree and supersedes previous policy.

1. Students must take at least 36 credits of appropriate graduate course work. Of these a maximum of 3 credits may be ECE 6099(320). Any further ECE 6099(320) credits will certainly be shown on the Plan of Study, but are additional to the 36 required. With the approval of the student’s Advisory Committee, a maximum of 9 credits can be GRAD 6950(495).

2. The foreign language/related area can be satisfied in two ways: either by six credits of graduate work in any single technical area (such as Statistics, Physics, Mathematics, another Engineering field); or by any foreign language. If the latter is chosen, then rather than 36 credits of course work in item 1, the student must take 42 credits.

3. The student’s Plan of Study will therefore show either (a minimum of) 12 ECE graduate courses (36 credits) plus 2 related-area graduate courses (6 credits); or (a minimum of) 14 graduate courses (42 credits) and a foreign language.

4. The seminar ECE 6094(311) has to be taken for credit at least twice by giving a talk, e.g., on a conference paper to be presented by the student. For full-time students, attendance of this seminar is required every semester.

5. A minimum of 15 credits of GRAD 6950(495) (Ph.D. dissertation research), including the possible 9 credits of GRAD 6950(495) in item 1. Thus the requirements of items 1 and 5 satisfy the minimum UConn requirement of 42 credits.

6. The student’s Advisory Committee has the final word on all Plan of Study matters.

The Ph.D. General Exam consists of:

4 exams on Computer Systems and Architecture, VLSI Design, and Digital Logic Design
2 exams from the Information, Communication, Decision, and Biosystems group or the Electronics, Photonics, and Biophotonics group.

After the Plan of Study is approved, a PhD dissertation Prospectus should be submitted.

Minimum research publications requirements:

- By the time of the prospectus: 2 conference proceedings full papers accepted
- By the time of the Ph.D. defense: 2 research journal papers accepted
- All with primary authorship by the student.