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

February 12, 2016

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

1. Students must take at least 15 credits of appropriate graduate course work. Of these a maximum of 3 credits may be ECE 6099. Any further ECE 6099 credits will certainly be shown on the Plan of Study, but are additional to the fifteen required.
2. The foreign language/related area can be satisfied in two ways: either by six credits of additional graduate work in any single technical area (such as Statistics, Physics, Mathematics, another Engineering field); or by *any* foreign language.
3. The student's Plan of Study will therefore show (a minimum of) 5 ECE or CSE graduate courses (15 credits); *plus* 2 related-area graduate courses (6 credits) *or* a foreign language.
4. The seminar ECE 6094 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.
5. A minimum of 15 credits of GRAD 6950 (Ph.D. dissertation research).
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 Architecture, VLSI Design, Systems, and Algorithms

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 (journal papers may be substituted for conference proceedings)
- By the time of the Ph.D. defense: 3 research journal papers (2 accepted and 1 submitted). With the approval of the advisory committee, up to 2 journal papers may be replaced by full conference proceedings papers with a documented acceptance rate of under 30% based on data from the previous year. In either scenario, at least 1 journal paper should have been accepted by the time of the defense.
- All with primary authorship by the student.

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

February 2, 2016

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 33 credits of appropriate graduate course work. Of these a maximum of 3 credits may be ECE 6099. Any further ECE 6099 credits will certainly be shown on the Plan of Study, but are additional to the 33 required.
2. The foreign language/related area can be satisfied in two ways: either by six credits of additional graduate work in any single technical area (such as Statistics, Physics, Mathematics, another Engineering field); or by *any* foreign language.
3. The student's Plan of Study will therefore show (a minimum of) 11 ECE or CSE graduate courses (33 credits); *plus* 2 related-area graduate courses (6 credits) *or* a foreign language.
4. The seminar ECE 6094 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.
5. A minimum of 15 credits of GRAD 6950 (Ph.D. dissertation research).
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 Architecture, VLSI Design, Systems, and Algorithms

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 (journal papers may be substituted for conference proceedings)
- By the time of the Ph.D. defense: 3 research journal papers (2 accepted and 1 submitted). With the approval of the advisory committee, up to 2 journal papers may be replaced by full conference proceedings papers with a documented acceptance rate of under 30% based on data from the previous year. In either scenario, at least 1 journal paper should have been accepted by the time of the defense.
- All with primary authorship by the student.