

# The Ph.D. Requirements for Information-Communication-Decision, Bio and Power (ICDBP) Systems Group Students Holders of B.S. Degree

Revised January 23, 2013

The following is the ICDBP (called previously Control and Communication) **Systems Group** 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) (old numbers in parentheses). 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 6 credits can be GRAD 6950(495).
2. The foreign language/related area can be satisfied in two ways: (i) by 6 credits of graduate work in any single technical area (such as Computer Science, Statistics, Physics, Mathematics, another Engineering field, or non-Systems ECE), or (ii) 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, with 6 credits as specified in (i) above.
3. The student's Plan of Study will therefore show (a minimum of) 36 credits according to item 1, *plus* 2 related-area graduate courses (6 credits) according to item 2(i), with the option of a foreign language.
4. The seminar ECE 6094(311) has to be taken for credit at least twice times 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 6 credits of GRAD 6950(495) in item 1.
6. The student's Plan of Study should be completed according to the above requirements and approved before the Ph.D. General Exam. The student's Advisory Committee has the final word on all Plan of Study matters. The requirements of items 1 and 5 satisfy the minimum UConn requirement of 44 credits.

The Ph.D. General Exam consists of the same as in the Ph.D. requirements for students starting with an M.S. degree.

After the Plan of Study is approved, a Ph.D. dissertation Prospectus should be submitted 6 months before the defense.

Minimum research publications requirements:

- by the time of the prospectus: 2 CP (Conference Proceedings) full papers accepted
- by the time of the Ph.D. defense: 2 RJ (Research Journal) papers accepted
- all with primary authorship by the student.