

Advanced Elective Approval Form:
BS Computer Engineering

Student Name: _____ Student Number: _____

Select courses from the following categories, for a total of at least 25 credits. At least 15 credits must be taken in residence at UW-Madison.

Electronic Circuits Elective: Choose either: ECE 342 or ECE 555.

Design Laboratory Elective: Choose either: ECE 453, ECE 468, or ECE 554.

Mini-Laboratory Elective: Choose either: ECE 271, ECE 438, or one course from ECE 301-317.

System Software Elective: Choose either: CS 536 (3 or 4 credits), CS 537, or CS 564.

Additional Advanced Electives: Choose advanced courses to provide at least 13 credits. Normally, these are either ECE courses numbered 320-699 or CS courses numbered 400-640 and 699. The courses you choose must satisfy the following conditions:

- 1) At least 6 credits must be in ECE courses numbered 400 and above.
- 2) ECE 376 and ECE 377 may not be used.
- 3) If both ECE 320 and ECE 321 are taken, only 2 credits of ECE 320 may be applied toward your degree.
- 4) If your cumulative GPA is at least 2.5, you may register for ECE 399 (Independent Study), ECE 699 (Advanced Independent Study), or CS 699 (Directed Study) and apply up to 3 credits toward the requirement. (You must submit an Application for Independent Study Credit, available on the shelves outside Room 2413 EH, prior to the semester in which the course is taken.)
- 5) If your cumulative GPA is at least 3.5, you may register for ECE 489 (Honors in Research) and apply up to 6 credits toward the requirement. (You must submit an Application for Independent Study Credit, available on the shelves outside Room 2413 EH, prior to the semester in which the course is taken.)
- 6) If your cumulative GPA is at least 2.5, you may register for ECE 491 and apply 3 credits toward the requirement. (You must submit an Application for Independent Study Credit, available on the shelves outside Room 2413 EH, prior to the semester in which the course is taken.)
- 7) You may use one degree credit of ECE 001 (Cooperative Education Program).
- 8) You may apply other courses to this category only with the approval of your advisor. These courses must have a clear pertinence to your selection of advanced courses in ECE.

Requirement	Course	Credits	
Electronic Circuits		3	ECE 400+ Credits
Design Laboratory		4	
Mini-Laboratory 1		1	
System Software 3 or 4		3 or 4	
Additional Electives			
Total			
Minimum		25	6

Advisor Name: _____

Advisor Signature: _____ Date: _____