

BSCMPE Advanced Elective Approval Form

Return Completed Form to: 2304a Engineering Hall

Student Name: _____ Student Number: _____

Select courses from the following categories, for a total of at least 22 credits. At least 12 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, CS 537, or CS 564.

Additional Advanced Electives: Choose courses to bring the total number of advanced elective credits to 22. These must be either ECE courses numbered 320-699 or CS courses numbered 400-679 or 699. The courses you choose must satisfy the following eight 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) ECE 320 and ECE 321 cannot both be taken for degree credit.
- 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, applications available in 2304a EH or on the ECE Website, 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, applications available in 2304a EH or on the ECE Website, 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, applications available in 2304a EH or on the ECE Website, prior to the semester in which the course is taken.
- 7) You may apply one degree credit from ECE 001 (Cooperative Education Program) or ECE 301-ECE 317
- 8) If you are interested in using ECE 379 as an advanced elective, consult your faculty advisor **prior** to enrolling for approval.
- 9) You may apply other courses to this category only with the approval of your faculty advisor. Courses must have a clear pertinence to your selection of ECE advanced electives.

Requirement	Course	Credits	
Electronic Circuits		3	
Design Laboratory		4	
Mini-Laboratory 1		1	ECE 400+ Credits
System Software 3 or 4		3 or 4	
Additional Electives			
Total			
Minimum		22	6

Faculty Advisor Name: _____

Faculty Advisor Signature: _____ Date: _____