

ECE Emphasis Area (Non-thesis Master only)

Name (last/given) _____ Student ID _____

Catalog year (first semester at S&T) 20_____ Spring / Summer / Fall

Electrical Engineering (EE) Program (check one Primary Area)

	Primary Area	Comments
Circuits/electronics		
Communications/ signal processing		
Controls/systems		
Electromagnetics		
Devices and optics		
Power/energy		

Computer Engineering (CpE) Program (check one Primary Area)

	Primary Area	Comments
Computational intelligence		
Architecture/embedded systems		
Integrated circuits/logic design		
Networking/security/dependability		

1. The primary emphasis area may be declared in consultation with the Graduate Coordinator, mainly based on the student's transcript and supplementary information used for admission to Missouri S&T.
2. A student should take a minimum of 12 lecture credit hours from the primary area. The remaining 18 hours (out of 30) can be taken from other areas. Up to 6 hours (out of 30) may be taken at non-ECE programs. Courses co-listed in the ECE program are considered as equivalent to ECE courses.
3. Courses in the Electrical Engineering (EE) Program include:
 - Circuits/electronics: typically 51xx and 61xx
 - Communications/signal processing: typically 54xx and 64xx
 - Controls/systems: typically 53xx and 63xx, 58xx and 68xx
 - Electromagnetics: typically 56xx, and 66xx
 - Optics/devices: typically 52xx and 62xx
 - Power/energy: typically 55xx and 65xx
4. Courses in the Computer Engineering (CpE) Program
 - Computational intelligence: typically 53xx and 63xx
 - Computer architecture/embedded systems: typically 51xx and 61xx
 - Integrated circuits/logic design: typically 52xx and 62xx
 - Networking/security/dependability: typically 54xx and 64xx
5. If the primary area does not offer a sufficient number of courses, then courses from close areas may be permitted with the approval of the Graduate Coordinator.
6. A student can change the emphasis area after approval from the Graduate Coordinator. However, the requirement for the course selection must be satisfied with respect to the new emphasis area.
7. For more details about degree requirements and course selection, see the ECE Graduate Handbook.

Advisor's signature/date _____

Student's signature/date _____

(REVISED ON 10/1/2023)