

# ECE Graduate Emphasis Area Form (Non-thesis option 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 and one Secondary area)

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

## Computer Engineering (CpE) Program

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

- The primary/secondary emphasis area may be declared in consultation with the Associate Chair of Graduate Studies (Graduate Coordinator), mainly based on the student's transcript and supplementary information used for admission to Missouri S&T.
- A minimum of 12 credit-hours are required from the primary area; up to 9 credit-hours can be taken from the secondary area, and up to 9 credit-hours can be from any area that is not primary and secondary (ECE or outside ECE). Possible combinations include: 12/9/9, 15/12/3, and 30/0/0.
- 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
- 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
- Declared areas may be changed anytime during the program with approval from the Associate Chair of Graduate Studies. However, the course selection should comply with the latest change accordingly.
- When a sufficient number of courses are not offered in a given emphasis area, courses from other close ECE areas may be permitted.
- For more details about degree requirements and course selection, see the ECE Graduate Handbook.

Advisor's signature/date \_\_\_\_\_

Student's signature/date \_\_\_\_\_