Computer Engineering Focus Areas

Students wishing to pursue more focused studies in a Computer Engineering subject/research area have the choice of doing so through a recognized Focus Area. Courses taken towards a Focus Area take the place of some of the Technical Electives required in the Computer Engineering program.

**SOFTWARE ENGINEERING FOCUS AREA**

**Requirements:**
To complete the Software Engineering Focus the prescribed course must be taken. Three (3) of the eight Software Engineering Technical Elective courses must also be taken. To complete the program requirements, one (1) additional courses must be selected from the elective courses listed in the Computer Engineering Standard Program.

**Prescribed Software Engineering Course (required)**
- COMP 3350  Software Engineering 1

**Software Engineering Technical Elective Courses (3 required)**
- ECE 3750  Systems Engineering Principles 2
- ECE 4530  Parallel Processing
- COMP 3010  Distributed Computing
- COMP 3020  Human-Computer Interaction 1
- COMP 3380  Databases: Concepts and Usage
- COMP 4350  Software Engineering 2
- COMP 4580  Computer Security
- COMP 4710  Introduction to Data Mining

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