

Selected Curriculum for

Interest in Communications and Networks

Advising Sheet

Computer Engineering master's students are required to take one course from **each** of the four groups listed below.

Group "A"

- CSCE 5510 Wireless Communications
- CSCE 5520 Wireless Networks and Protocols
- CSCE 5580 Computer Networks

Group "C"

- CSCE 5440 Real-Time Software Development
- CSCE 5612 (5933) Embedded Hardware & Software Design
- CSCE 5620 Real-Time Operating Systems

Group "B"

- CSCE 5160 Parallel Processing and Algorithms
- CSCE 5610 Computer System Architecture
- CSCE 5640 Operating System Design

Group "D"

- CSCE 5730 Digital CMOS VLSI Design
- CSCE 5740 Topics in Modern Electronic System Design
- CSCE 5760 Design for Fault Tolerance

Suggested Courses:

<input type="checkbox"/> CSCE 5050	Applications of Cryptography	3 sch
<input type="checkbox"/> CSCE 5510	Wireless Communications	3 sch
<input type="checkbox"/> CSCE 5520	Wireless Networks and Protocols	3 sch
<input type="checkbox"/> CSCE 5530	Computer Network Design	3 sch
<input type="checkbox"/> CSCE 5540	Introduction to Sensor Networks	3 sch
<input type="checkbox"/> CSCE 5550	Introduction to Computer Security	3 sch
<input type="checkbox"/> CSCE 5580	Computer Networks	3 sch
<input type="checkbox"/> CSCE 5585	Network Security	3 sch
<input type="checkbox"/> CSCE 5610	Computer System Architecture	3 sch
<input type="checkbox"/> CSCE 5615 (5933)	Networks-on-Chip	3 sch
<input type="checkbox"/> CSCE 5933	LTE Physical Layer	3 sch
<input type="checkbox"/> CSCE 6590	Adv Topics in Wireless Communications and Networks	3 sch
<input type="checkbox"/> CSCE 6581	Adv Topics in Computer Networks	3 sch

Major Professors Comments/Suggestions:

- For MS with thesis, the total number of hours required is 30.
- For MS without thesis, the total number of hours required is 36.
- To continue in good standing, a student must maintain a 3.0 GPA overall.
- **Only one unorganized course (not less than 3 sch), and up to 2 Internship courses (max 2 each) may be placed on the MS degree plan.** All outside courses must have prior approval by the student's major professor with a justification written on the back of the degree plan.