Selected Curriculum for

Interest in Computer Systems
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 "B"
- ☐ CSCE 5160 Parallel Processing and Algorithms
- ☐ CSCE 5610 Computer System Architecture
- ☐ CSCE 5640 Operating System Design

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

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

Suggested Courses:

☐	**CSCE 5160**	Parallel Processing and Algorithms	3 sch
☐	**CSCE 5520**	Wireless Networks and Protocols	3 sch
☐	**CSCE 5580**	Computer Networks	3 sch
☐	**CSCE 5610**	Computer System Architecture	3 sch
☐	**CSCE 5612 (5933)**	Embedded Hardware and Software Design	3 sch
☐	**CSCE 5615 (5933)**	Networks-on-Chip	3 sch
☐	**CSCE 5620**	Real-Time Operating Systems	3 sch
☐	**CSCE 5640**	Operating System Design	3 sch
☐	**CSCE 5650**	Compiler Design	3 sch
☐	**CSCE 5680 (5933)**	Distributed Systems	3 sch
☐	**CSCE 5730**	Digital CMOS VLSI Design	3 sch
☐	**CSCE 5760**	Design for Fault Tolerance	3 sch
☐	**CSCE 6610**	Advanced Topics in Computer Architecture	3 sch

Major Professors Comments/Suggestions:

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- *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 organized 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.*