

College of Engineering Graduate Programs
Computer Engineering
Program Study Plan

Student Name: _____ ID: _____

Starting semester: _____

- A. **Tentative list of courses to be taken (check selected course).** Thesis option needs 7 courses and project option needs 9 courses.

In addition, all students must complete a seminar course COE 695).

Course	Title	Pre-requisite
College Core Courses: (3 credits)		
Students must successfully complete one of the following courses:		
NGN 500 (3cr)	Advanced Engineering Mathematics	Admission to the program
NGN 505 (3cr)	Random Variables and Stochastic	Admission to the program
NGN 509 (3cr)	Advanced Computational Methods	Admission to the program
In addition, All students must successfully complete a seminar course		
COE 695 (0cr)	Seminar	Preq. Admission to the program
Elective Courses		
<ul style="list-style-type: none"> Students in the thesis option must successfully complete a minimum of 18 credits. Students in the project option must successfully complete a minimum of 24 credits. 		
Students can select elective courses from the following list:		
COE 530 (3 cr)	Advanced Computer Networks	Preq. Admission to the program
COE 531 (3 cr)	Advanced Software Engineering	Preq. Admission to the program
COE 532 (3 cr)	Advanced Embedded Systems and Industrial Automation	Preq. Admission to the program
COE 533 (3 cr)	Advanced Computer Architecture	Preq. Admission to the program
COE 555 (3 cr)	Computer and Network Security	Preq. Admission to the program
COE 594 (3 cr)	Special Topics in Computer Engineering	Preq. Topic specific
COE 596 (3 cr)	Independent Study in Computer Engineering	For further details, refer to Independent study in the catalog
COE 630 (3 cr)	Wireless Networks	Preq. Admission to the program
COE 632 (3 cr)	Advanced Database Systems	Preq. Admission to the program
COE 633 (3 cr)	Advanced Internet Computing	Preq. Admission to the program
COE 635 (3 cr)	Optical Networks	Preq. Admission to the program
COE 636 (3 cr)	Advanced Multicore Computing	Preq. Admission to the program
COE 637 (3 cr)	Data Mining and Knowledge Discovery	Preq. Admission to the program
COE 639 (3 cr)	Digital Video Compression	Preq. Admission to the program
COE 694 (3cr)	Special Topics in Computer Engineering	Preq. Topic specific
COE 696 (3cr)	Independent Study in Computer Engineering	For further details, refer to Independent study in the catalog
Other (please specify):		
Master's Thesis/Professional Project Option (9/3 credits)		
COE 698 (3 cr)	Professional Project	Good academic standing. Approval of the program director. Pre-requisite/concurrent COE 695
COE 699 (9 cr)	Master's Thesis	Good academic standing. Approval of the program director. Pre-requisite/concurrent COE 695

Students in **both options** may elect to take up to **two elective courses outside the program** with the approval of their advisor and the program director.

B. Transferred Courses (if any): _____

C. Bridging Courses (if any): _____

D. Main Research Area: _____