FLORIDA ATLANTIC UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SOFTWARE ENGINEERING GRADUATE SPECIALTY - A TRACK (OR OPTION) IN MSCS PROGRAMS STUDENT EVALUATION WORKSHEET 2007-2008

Name: _____ SS#:_____ Advisor: _____

Date of Admission: _____ Date of Candidacy: _____

Undergraduate Institution/Year: _____ GPA: _____ Major: _____

GRE/Year: _____ TOEFL: _____ Catalog Followed: _____

Prerequisites	**Actual Course Title**	**Where**	**Grade**
COT 4420 Formal Lang. & Automata Theory	_____	_____	_____
CDA 4150 Computer Design I *or*	_____	_____	_____
CDA 4105 Struct. Computer Architecture *or*	_____	_____	_____
CDA 3331 Intro to Microcomputers & Lab *or*	_____	_____	_____
CDA 4204 CAD-Based Computer Design	_____	_____	_____
COP 4610 Operating Systems	_____	_____	_____
COT 4400 Design & Analysis of Algorithms	_____	_____	_____
STA 4821 Probability and Statistics	_____	_____	_____
COP 3530 Data Struct. & Algorithms Analysis	_____	_____	_____
MAC 2311 & 2312 Calculus w/Analytic Geo. I & II	_____	_____	_____
MAD 2104 Discrete Mathematics	_____	_____	_____
CEN 4010 Software Engineering	_____	_____	_____
COP 4331 Intro to Object-Oriented Design & Prog.	_____	_____	_____

Students who have not had CEN 4010 and/or COP 4331 must take CEN 5035 and/or COP 5330, respectively, to satisfy this requirement. Students who have had the 4000-level courses can not count the corresponding 5000-level courses toward the degree.

MSCS (thesis option) students must take at least 6 of the below software engineering course, two from each group. MCS (non-thesis option) students must take at least 8 of the below software engineering courses, at least two from each group. Appropriate special topics courses may also be used to meet these requirements with approval of the student advisor. Special topics courses in software engineering that have been taught or may soon be taught include: Software Reuse, Real-time SW Design, SW Architecture, Knowledge-Based SW Development, and Advanced SW Reliability Engineering.

GROUP I: Fundamentals

Grade

_____ COP 5330 Object-Oriented Software Design
_____ CEN 6057 SW Process Assessment & Impr.
_____ CEN 6076 Software Testing
_____ CEN 6075 SW Requirements Engineering

_____ _____ _____

GROUP II: Development

Grade

_____ CAP 5100 User Interface Design
_____ CEN 6040 Computer-Aided SW Engineering
_____ CEN 6071 Rigorous SW Specifications & Anal
_____ COP 6331 Adv. Topics in Object-Oriented Des.

_____ _____ _____

Thesis Option:
COT6970_____(6 thesis hours)
Total: 24 course hours _____

GPA (at least 3.0):_____

GROUP III: Quantitative & Experimental

Grade

_____ CEN 6080 SW Engineering Measurements
_____ CEN 6081 Software Reliability Engineering
_____ COP 6301 Model Based Simulation
_____ CEN 6405 Computer Performance Modeling

_____ _____ _____

Electives

Grade

_____ _____
_____
_____ _____
_____
_____ _____
_____
_____ _____
_____

Non-thesis option:
Total: 33 course hours _____

Evaluated by:_____
Date:_____

SUMMARY OF RULES FOR MSCS DEGREE SOFTWARE ENGINEERING TRACK

Minimum Degree Requirements:

- prerequisites: all courses must have a grade of "C" or better
- a minimum of 18 credit hours (24 credit hours for MCS students) must be selected from the above 3 groups
- at least 18 credits of 6000 level courses
- at most 3 credits of directed independent study (DIS)
- no course more than seven years old
- at most 3 credits of 4000 level courses with the consent of advisor
- all courses must have a grade of C or better
- overall graduate GPA of 3.0 or better
- no more than 6 credits transferred from other institutions

Thesis Committee (for thesis option):

- composed of at least three faculty members
- at least two members from CSE Department
- chair or co-chair from the CSE Department

Admission to Candidacy:

Students must apply for candidacy as soon as they are eligible. Prior to applying for candidacy, students should prepare, in consultation for a graduate advisor, a plan, i.e. the list of courses, for completing their degree requirements. All courses must be approved by the student's advisor. A student is eligible to apply for candidacy when:

1. A minimum of 9 credit hours as a graduate student have been completed.
2. A minimum of 3.0 GPA in all courses attempted as a graduate student has been maintained.

Normally no more than 15 credit hours of work completed before admission to candidacy will be accepted toward

Degree program. Students working toward the MSCS degree may not register for thesis until their admission to candidacy.

Additional Comments or Information:

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