Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title

7.0 List of existing program and proposed program

M.Sc. in Computer Science – Computational Science and Engineering Option

Program Requirements

Thesis Courses (24 credits)

~~24~~ credits selected from

COMP 691 Thesis Research 1 (~~2~~ credits)
COMP 696 Thesis Research 2 (3 credits)
COMP 697 Thesis Research 3 (4 credits)
COMP 698 Thesis Research 4 (~~9~~ credits)
COMP 699 Thesis Research 5 (~~15~~ credits)

Required Courses

One credit selected as follow:

COMP 669D1 Computational Science Engineering Seminar (0.5 credits)
COMP 669D2 Computational Science Engineering Seminar (0.5 credits)

Complementary Courses

(minimum ~~21~~ credits)

Two courses from List A, two courses from List B, and the remaining credits to be chosen from graduate (500-, 600-, or 700-level) courses in the School of Computer Science. Two complementary courses must be taken outside the School of Computer Science.

Note: Students with an appropriate background can substitute 3 credits by COMP 696 and 4 credits by COMP 697, but still need to take 6-8 credits from List A and 6-8 credits from List B.

List A: Scientific Computing Courses:

CIVE 602 Finite Element Analysis (4 credits)
COMP 522 Modelling and Simulation (4 credits)
… long list that remains unchanged

List B: Application and Specialized Methods Courses:

ATOC 512 Atmospheric and Oceanic Dynamics (3 credits)
ATOC 513 Waves and Stability (3 credits)
ATOC 515 Turbulence in Atmosphere and Oceans (3 credits)

… long list that remains unchanged

M.Sc. in Computer Science – Computational Science and Engineering Option

Program Requirements

Required Thesis Courses (24 credits)

COMP 601 Thesis Literature Review (2 credits)

The remaining 22 credits selected from:

COMP 691 Thesis Research 1 (3 credits)
COMP 696 Thesis Research 2 (3 credits)
COMP 697 Thesis Research 3 (4 credits)
COMP 698 Thesis Research 4 (10 credits)
COMP 699 Thesis Research 5 (12 credits)

Engineering Seminar (0.5 credits)

8.0 Consultation with Related Units ☐ Yes ☐ No

Financial Consult ☐ Yes ☐ No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department			
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	
Phone	
Email	
Submission Date	

To be completed by ARR:

CIP Code