



Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title

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 (45 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 24 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	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name
Phone
Email
Submission Date

To be completed by ARR:

CIP Code