

# LONG SIGNATURE SHEET



UNC CHARLOTTE

Proposal Number: ITCS 2-28-11

Proposal Title: Addition of Information Security and Privacy Concentration to MS Curriculum in Computer Science

Originating Department: Department of Computer Science *Ken Chen*

TYPE OF PROPOSAL: UNDERGRADUATE \_\_\_\_\_ GRADUATE X \_\_\_\_\_ UNDERGRADUATE & GRADUATE \_\_\_\_\_  
 (Separate proposals sent to UCCC and Grad. Council)

DATE RECEIVED	DATE CONSIDERED	DATE FORWARDED	ACTION	SIGNATURES
			Approved	<u>DEPARTMENT CHAIR</u> <i>William Ribarsky</i> Print name: Bill Ribarsky
			Approved	<u>COLLEGE CURRICULUM COMMITTEE CHAIR</u> <i>Larry Mays</i> Print name: Larry Mays
			Approved	<u>COLLEGE FACULTY CHAIR</u> <i>Min Shin</i> Print name: Min Shin
			Approved	<u>COLLEGE DEAN</u> <i>Richard A Lejke</i> Print name here if signing on behalf of Dean: Richard A Lejke
			Approved	<u>UNDERGRADUATE COURSE &amp; CURRICULUM COMMITTEE CHAIR</u> (for undergraduate courses)
8-20-11	9-6-11	9-6-11	Approved	<u>GRADUATE COUNCIL CHAIR</u> (for graduate courses) <i>Rob Roy McInnes</i>
			Approved	<u>FACULTY GOVERNANCE SECRETARY</u> (noting Faculty Council approval on Consent Calendar)
				<u>FACULTY EXECUTIVE COMMITTEE</u> (if decision is appealed)

**COPY MADE**  
 Grad School  
 9-6-11 AP

## I. Heading and Proposal Number

### A. University of North Carolina at Charlotte

Revised Graduate Course and Curriculum Proposal from: Department of Computer Science

### B. Proposal Number ITCS 2-28-11

### C. Title: Addition of Information Security and Privacy Concentration to MS Curriculum in Computer Science

## II. Content of Proposal

### A. Proposal Summary and Catalog Copy

#### 1. Summary

The Department of Computer Science, in collaboration with the Department of Software and Information Systems, proposes to add *Information Security and Privacy* as a new area of concentration into the Computer Science MS program curriculum.

#### 2. Proposed Catalog Copy

## III. Area of Concentration

Each student must take at least three related courses (9 hours) to form an area of concentration. The area of concentration may differ from the Course Categories; students are encouraged to have their areas of concentration aligned with faculty research areas. The three courses forming the student's area of concentration must have the written approval of the student's academic advisor. ~~Only one breadth course can be included in the area of concentration courses.~~ At most one course can be used to satisfy both breadth and area of concentration requirements. Core courses cannot be used in area of concentration. At least two of the three courses forming an area of concentration should be from the Department of Computer Science **except for the area of concentration in Information Security and Privacy, which requires *ITIS 6200 Principles of Information Security and Privacy* plus two additional approved ITIS security courses.** The three courses taken to satisfy the concentration requirement must each be passed with an "A" grade or a "B" grade. In addition to the nine hours of course work, a written study report on a subject in the area must be submitted to and be approved by the academic advisor to complete the concentration requirement.

## B. Justification

1. There is an increasing demand in the industry for professionals trained in the area of Information Security and Privacy. Adding this new area of concentration will expand current focus areas in MS program of Computer Science to meet this need, thereby better preparing our students for the job market.
2. There are no changes required to prerequisites or courses, and no new courses are proposed. All courses forming the new concentration area are from the existing courses of Software and Information Systems Department.
3. There are no changes to course numberings.
4. Forming the new area of concentration from existing courses in the Department of Software and Information Systems has several benefits. (1) It avoids duplicate offerings and improves the efficiency of course offerings across the departments. (2) It offers students a new opportunity for inter-disciplinary training. (3) It strengthens the teaching collaboration between the Department of Computer Science and the Department of Software and Information Systems.

## C. Impact

1. This proposal affects students in the MS programs in the Department of Computer Science and the Department of Software and Information Systems only.
2. The Computer Science department will offer the courses in the existing areas of concentration on the same schedule and frequency as before. Currently, many MS classes in Computer Science are oversized. This proposal is expected to improve the situation.

## D. Resources Required

1. Personnel - none
2. Physical Facility - none
3. Equipment and Supplies - none.
4. Computer – none
5. Audio-Visual – none
6. Other Resources – none
7. Funding - none

## E. Consultation with the Library or Other Departments or Units

1. Library Consultation

Not necessary since all courses in the proposed concentration are existing courses in the Department of Software and Information Systems.

2. Other departments  
Department of Software and Information Systems

#### F. Initiation and Consideration of the Proposal

- The graduate committee of the Department of Computer Science approved this proposal. ... (The proposal will be voted by the Department faculty).

#### G. Attachments

Supporting email from SIS Department:

From: Chu, Bei-Tseng  
To: Chen, Ken  
Cc:  
Subject: RE: Proposal Consultation

Hi Ken,

The SIS department supports the proposal as described in your email.

Best,  
--Bill

-----Original Message-----

From: Chen, Ken  
Sent: Fri 3/4/2011 2:38 PM  
To: Chu, Bei-Tseng  
Cc: Ribarsky, William; Wu, Wensheng; Wilkinson, Anthony  
Subject: Proposal Consultation

Bill:

Enclosed please find a proposal from CS Graduate Committee for adding Information Security and Privacy Concentration to MS Curriculum in Computer Science, which, I believe, resulted from discussions between you and Bill R. on CS and SIS teaching collaboration. Could you write a supporting email to be attached to the proposal sending forward?

Thanks,

Ken