

South Dakota Board of Regents

EXISTING PROGRAM: SUBSTANTIVE PROGRAM MODIFICATION

This form is used to request substantive changes in already existing programs (majors, minors, specializations).

1. INSTITUTION: Dakota State University

2. CURRENT PROGRAM NAME: M.S. in Information Assurance and Computer Security

3. THIS PROPOSAL DEALS WITH A CHANGE IN:

Distribution of Credits

_____ total credits required within the discipline	_____ Program name
_____ total credits of supportive course work	<u> X </u> Existing specialization
_____ total credits of elective course work	_____ Addition of specialization
	Other (explain) Moving a core course to the wireless specialization and replacing this course with another graduate level course.
_____ total credits required for program	<u> X </u> Renaming the wireless and mobile security specialization to wireless and networking specialization.
_____	_____

4. EFFECTIVE DATE OF CHANGE: Fall 2005

5. LEVEL:

_____ Certificate
_____ Associate Degree
_____ Bachelor's Degree
 X Master's Degree
_____ Doctoral Degree

6. CATEGORY:

_____ Minor
 X Major
 X Specialization

7. PRIMARY ASPECTS OF THE MODIFICATION:

Existing Curriculum				Proposed Curriculum (Highlight Changes)			
Current Program Name:				Proposed Program Name:			
Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
Common core							
INFA	711	Computer Security Planning and Procedures	3	INFA	711	Computer Security Planning and Procedures	3
INFA	713	Managing Information Security Risk	3	INFA	713	Managing Information Security Risk	3
INFA	715	Privacy, Fraud and Identity Theft	3	INFA	715	Privacy, Fraud and Identity Theft	3
INFA	717	Advanced Network Security	3	INFS	754	Network Security and Intrusion Detection	3
INFA	719	Advanced Software Applications Security	3	INFA	719	Advanced Software Applications Security	3
INFA	721	Computer Forensics	3	INFA	721	Computer Forensics	3
INFA	723	Applied Cryptography	3	INFA	723	Applied Cryptography	3
INFS	724	Project and Change Management	3	INFS	724	Project and Change Management	3
Wireless and Mobile Security Specialization				Wireless and Networking Security Specialization			
INFA	751	Introduction to Wireless Security	3	INFA	751	Introduction to Wireless Security	3
INFA	753	Building and Securing Wireless Networks	3	INFA	753	Building and Securing Wireless Networks	3
		Elective 1	3	INFA	717	Advanced Network Security	3
		Elective 2	3			Elective 1	3

8. EXPLANATION OF THE CHANGE:

In contrast with INFA 717 Advanced Network Security, INFS 754 provides a comprehensive overview of network security and intrusion detection. Accordingly, INFS 754 is more appropriate as a core class that is required from all students in the program. On the other hand, INFA 717 as an advanced and specialized course addresses the needs of the Wireless and Networking Security specialization. The name of this specialization has changed from 'Wireless and Mobile Security' to reflect the broader range of skills and knowledge covered. In effect, such skills and knowledge is not limited to wireless and mobile networks, but networking in general.