

**FORM G**  
**BOARD OF REGENTS, STATE OF IOWA**  
**PROPOSAL FOR PROGRAM/DEPARTMENT CHANGE**  
**July 1, 2015**

Institution: Iowa State University

Current Title of Program/Department: Information Assurance

Proposed Title of Program/Department: Cyber Security

Name of College: Engineering

Current CIP Discipline Specialty Title: Computer and Information Systems Security/Information Assurance

Proposed CIP Discipline Specialty Title: Same

Current CIP Discipline Specialty Number (six digits): 11.1003

Proposed CIP Discipline Specialty Number (six digits): 11.1003

Current Level: B        M   X   D        FP       

Proposed Level: B        M   X   D        FP       

Degree Abbreviation (e.g., B.S., B.A., M.A.): M.S.

Approximate date to implement changes: Month Aug Year 2019

Contact person: (name, telephone, and e-mail) Doug Jacobson, 4-8307, dougj@iastate.edu

Please do not use acronyms without defining them.

1. Provide a brief description of the current department/program.

Iowa State University offers one of the largest and oldest information assurance degree programs in the country. The MS in IA degree was first offered in 2000, and the first four IA courses were offered in 1995. We have graduated over 300 MS students since 2000 and have students from all over the country currently enrolled in our on-line graduate program.

Work is offered for the degree Master of Science with a major in Information Assurance under a cooperative arrangement with various departments including Electrical and Computer Engineering; Political Science; Management Information Systems; and Mathematics. Students interested in the interdepartmental major apply and are admitted to both a home department (the department that is most closely aligned with the student's research interest and background) and to the IA program. The program is broadly based and uses courses in the various departments. The program will consist of 24 course credits with 6 credits of research work for a Master of Science with thesis. A non-thesis Master of Science will consist of 27 credits of courses and 3 credits of creative component.

2. Describe reasons (justification) for the proposed changes. Include information about the value of the changes to the department, program, discipline, college, and/or the university.

The term information assurance was the common term used in 2000 to describe degrees in cyber security. While the term Information Assurance is still used in a broad sense most degree programs have changed their names to Cyber Security or something similar. Also ISU has just created an undergraduate degree in Cyber Security, and changing the MS degree to Cyber Security will keep the naming structure consistent.

3. What will be the effect of the proposed change on current students?

None

4. If this is a program/department name change, describe the proposed name is consistent with the mission of the college and university.

Cyber security is the term used across campus to talk about the educational efforts. The name is also consistent with the newly approved BS degree in Cyber Security Engineering.

5. Will the proposed change be consistent with other programs at the university or other universities in the state? If this is a program/department name change, identify other institutions with the same or similar name.

No other program exist in Iowa

6. Is the proposed change consistent with association/accreditation requirements? Have accreditation requirements been addressed?

While MS programs in Engineering are not accredited, the program name is consistent with be new program criteria for Cyber Security Engineering adopted by ABET.

7. Describe program configuration changes that will result from the proposed program change, e.g., change in number of credit hours required, etc.

None

8. What costs will be incurred by the proposed program change? Identify new resources that will be needed in connection with the proposed program change, e.g., facilities, faculty, funds, etc. How will the proposed program change be administered? Provide a three-year analysis of costs resulting from the proposed program change.

None

9. Is this intended to be a temporary or permanent change? If temporary, for how long?

Permanent

10. What are the workforce needs in the state for the proposed program change? Be as specific as possible and include sources of data.

The term Cyber Security is a name commonly used by industry and is consistent with most job postings

11. Provide any other information that might be helpful to the Board of Regents in considering this request.

None

## Academic Program Approval Voting Record

This document is to be appended as the last page of the proposal for any new or revised academic program to record the successive votes of approval as the proposal moves through its required review and approval steps. Consult Faculty Handbook Section 10.8 or the Faculty Senate Curriculum Committee website for information regarding Committee review and voting requirements for each action.

Curricular Action: (check appropriate boxes below)

1.  New Program     Name Change         Discontinuation         Concurrent Degree for:
2.  Undergraduate Major     Graduate Major     Undergraduate Minor     Graduate Minor  
 Undergraduate Certificate     Graduate Certificate         Other: \_\_\_\_\_
3. Name of Proposed Change: \_\_\_\_\_ Cyber Security \_\_\_\_\_
4. Name of Contact Person: \_\_\_\_\_ Doug Jacobson e-mail address: dougj@iastate.edu
5. Primary College: \_\_\_\_\_ Engineering \_\_\_\_\_ Secondary College: \_\_\_\_\_
6. Involved Department(s): \_\_\_\_\_ Electrical and Computer Eng \_\_\_\_\_  
\_\_\_\_\_

**Voting record for this curricular action:**

Voting Body	Votes			Date of Vote
	For	Against	Abstain	
Dept. or Program Committee				
IAC Faculty	14	0	0	4/10/18
College Curriculum Committee	8	0	0	11/27/18
College Approval Vote	181	10	14	12/17/18
Graduate Council	11	0	0	01/16/19
Faculty Senate Curriculum Committee	5	0	0	02/12/19
Faculty Senate Academic Affairs Council	8	0	0	02/20/19
Faculty Senate				