



**SOUTH DAKOTA BOARD OF REGENTS**  
**ACADEMIC AFFAIRS FORMS**  
**New Course Request**

|   |   |                |
|---|---|----------------|
| <u>USD</u>                              | <u>Arts &amp; Sciences/Computer Science</u> |                |
| <b>Institution</b>                      | <b>Division/Department</b>                  |                |
| <u>Elizabeth M. Freeburg</u>            |   | <u>12/2/19</u> |
| <b>Institutional Approval Signature</b> |   | <b>Date</b>    |

**Section 1. Course Title and Description**

| Prefix & No. | Course Title         | Credits |
|--------------|----------------------|---------|
| CSC 427/527  | Information Security | 3       |

| Course Description  |
|---|
| In-depth examination of topics in the management of information security, including access control systems and methodology, business continuity and disaster recovery planning, legal issues in information system, ethics and governance, information and physical security, risk and contingencies, and planning and implementation using current standards models. The course explores identity management, encryption services and common hacking techniques. |

**Pre-requisites or Co-requisites**

| Prefix & No. | Course Title                  | Pre-Req/Co-Req? |
|--------------|-------------------------------|-----------------|
| CSC-350      | Algorithms and Data Structure | Pre-Req.        |

**Registration Restrictions N/A**

**Section 2. Review of Course**

**2.1. Was the course first offered as an experimental course?**

- Yes (if yes, provide the course information below)                       No

We have offered this course as CSC 492 during Spring semesters 2016 and 2018.

**2.2. Will this be a unique or common course?**

*If the request is for a unique course, verify that you have reviewed the common course catalog via Colleague and the system [Course Inventory Report](#) to determine if a comparable common course already exists. List the two closest course matches in the common course catalog and provide a brief narrative explaining why the proposed course differs from those listed. If a search of the common course catalog determines an existing common course exists, complete the Authority to Offer an Existing Course Form.*

**Unique Course**

| Prefix & No. | Course Title  | Credits |
|--------------|---------------|---------|
| CSC-426      | Cybersecurity | 3       |

*Provide explanation of differences between proposed course and existing system catalog courses below:*

CSC-526/426 discusses the security issues with respect to software development. Our proposed course is designed to target high-level undergraduate and graduate students to prepare them to handle real-life security threats in information security.

| Prefix & No. | Course Title                    | Credits |
|--------------|---------------------------------|---------|
| CSC-321      | Information Security Management | 3       |

*Provide explanation of differences between proposed course and existing system catalog courses below:*

CSC-321 discusses the fundamental concepts in management information protection. It also reviews security programs, policies and procedures. On the other hand, our proposed course, Information Security, emphasizes risk evaluation and treatment of these risks including diversion of risk. Please note that the emphasis is on risk, but not limited to risk. We believe this is a necessary skillset for our students to prepare them to handle real-life threats in information security.

### **Section 3. Other Course Information**

**3.1. Are there instructional staffing impacts?**

This course will be taught with current faculty.

**No.** Schedule Management, explain below:

CSC-427/527 will be part of the regular faculty teaching load on the course rotation.

No new hiring will be necessary.

**3.2. Existing program(s) in which course will be offered:** B.A./B.S./M.S. in Computer Science.

**3.3. Proposed instructional method by university:** D Discussion/Recitation

**3.4. Proposed delivery method by university:** U01: Face-to-face Term Based Instruction

**3.5. Term change will be effective (enter catalog year):** 2020-21

**3.6. Can students repeat the course for additional credit?**

Yes, total credit limit: \_\_\_\_\_  No

**3.7. Will grade for this course be limited to S/U (pass/fail)?**

Yes  No

**3.8. Will section enrollment be capped?**

Yes, max per section: 30  No

**3.9. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course system database in Colleague and the [Course Inventory Report](#)?**

Yes  No

**3.10. Is this prefix approved for your university?**

Yes  No

### **Section 4. Department and Course Codes (Completed by University Academic Affairs)**

**4.1. University Department Code:** UCSC

**4.2. Proposed [CIP Code](#):** 11.0201

*Is this a new CIP code for the university?*  Yes  No