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|  | **SOUTH DAKOTA BOARD OF REGENTS**ACADEMIC AFFAIRS FORMS |
| New Course Request |
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| **DSU**  |  | **Beacom College of Computer and Cyber Sciences** |
| --- | --- | --- |
| **Institution** |  | **Division/Department** |
|  |  |  |
| **Institutional Approval Signature** |  | **Date** |

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**Section 1. Course Title and Description**

| **Prefix & No.** | **Course Title** | **Credits** |
| --- | --- | --- |
| CSC 389 | Cisco Networking Academy | 1 |

| **Course Description** |  |
| --- | --- |
| This course provides guided access to the Cisco Network Academy Cisco Certified Network Associate (CCNA) curriculum. Students will complete the online modules while preparing for the CCNA certification exam under faculty supervision. |

**Pre-requisites or Co-requisites**

| **Prefix & No.** | **Course Title** | **Pre-Req/Co-Req?** |
| --- | --- | --- |
| CSC 285 | Networking I | Pre-Req |
| CSC 385 | Networking II | Pre-Req |
| CSC 387 | Routing and Switching | Pre-Req |

**Registration Restrictions**

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| Approval by DSU’s Cisco Networking Academy Director |

**Section 2. Review of Course**

1. **Will this be a unique or common course (*place an “X” in the appropriate box*)?**

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|[x]  **Unique Course***If the request is for a unique course, institutions must review the common course catalog in the system course database 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. Courses requested without an attempt to find comparable courses will not be reviewed.* |

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| **Prefix & No.** | **Course Title** | **Credits** |
| CSC 285 | Networking I | 3 |
| CSC 385 | Networking II | 3 |
| CSC 387 | Routing and Switching | 5 |
| *Provide explanation of differences between proposed course and existing system catalog courses below:* |
| DSU’s core networking courses - CSC 285, CSC 385, and CSC 387 - deliver a comprehensive academic foundation in computer networking. These courses are designed to develop students’ theoretical understanding and practical skills through lectures, labs, and assessments:* CSC 285: Networking I (3 credits) introduces the fundamentals of local area networks (LANs), including topologies, media, protocols, transmission techniques, and planning and installation considerations.
* CSC 385: Networking II (3 credits) provides an in-depth analysis of the TCP/IP protocol suite, examining protocol behavior using analyzers and addressing core networking concepts such as flow control, handshaking, and IPv6 deployment.
* CSC 387: Routing and Switching (5 credits) focuses on the design, configuration, and troubleshooting of enterprise LAN/WAN infrastructures using real-world routers, switches, and firewalls. Students gain experience with multi-vendor systems and learn to tailor solutions to organizational needs.

These three courses form the backbone of DSU’s networking curriculum and are graded, credit-bearing, and academically structured to support both conceptual mastery and professional readiness.CSC 389: A Certification-Focused, Additive ExperienceCSC 389: Cisco Networking Academy is a newly introduced 1-credit, pass/fail course created to provide students with guided access to the official Cisco Networking Academy curriculum, which is a globally recognized, vendor-certified pathway to the Cisco Certified Network Associate (CCNA) exam.This course is not a replacement for DSU’s core networking courses. Instead, it is an add-on opportunity for students who have already completed CSC 285, 385, and 387 and wish to pursue professional certification.Key distinctions include:* Purpose: CSC 389 is designed specifically to help students prepare for the CCNA exam through Cisco’s structured, industry-aligned content. It enhances prior coursework with certification-focused training.
* Format: The course is self-paced and does not include traditional lectures, assignments, or exams. Under the supervision of a Cisco Academy Certified Instructor, students progress through Cisco’s online modules while receiving guidance and validation of their completion.
* Cost Advantage: Students enrolled in CSC 389 receive free access to the full Cisco Academy CCNA curriculum. Those who meet Cisco’s completion criteria qualify for a deep discount on the CCNA exam as set by Cisco. Currently, that is a 75% discount.
* Flexibility: CSC 389 can be taken once for all three Cisco modules, or up to three times, once per module, based on student preference and pacing.
* Professional Certification: Unlike CSC 285, 385, and 387, CSC 389 is not an academic networking course. It is an additive, certification-oriented experience that empowers students to convert academic preparation into a recognized industry credential.
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**Section 3. Other Course Information**

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

☒ No. Schedule Management, explain below: The course will be offered each semester and will be led by the Cisco certified instructor(s). As a 1-credit course, it has no staffing impact.

**3.2. Existing program(s) in which course will be offered:** It won’t be required for any program. It is an opportunity for students to earn the Cisco CCNA certification at a deeply reduced cost since DSU is now a certified Cisco Networking Academy site.

**3.3. Proposed instructional method by university *(as defined by*** [*AAC Guideline 5.4*](https://www.sdbor.edu/administrative-offices/academics/academic-affairs-guidelines/Documents/5_Guidelines/5_4_Guideline.pdf)***)*:** R - Lecture

**3.4. Proposed delivery method by university *(as defined by*** [*AAC Guideline 5.5*](https://www.sdbor.edu/administrative-offices/academics/academic-affairs-guidelines/Documents/5_Guidelines/5_5_Guideline.pdf)***)*:** 015 - Online Asynchronous

**3.5. Term change will be effective:** Spring 2026

**3.6. Can students repeat the course for additional credit?** ☒Yes, total credit limit: 3 ☐ 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: 25 ☐ 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)**

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| 1. **University Department:**
 | Computer Science |

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| 1. **Banner Department Code:**
 | DSCI |

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| 1. **Proposed** [**CIP Code**](http://nces.ed.gov/ipeds/cipcode/default.aspx?y=55)**:**
 | 110701 |
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| *Is this a new CIP code for the university?* |[ ]  Yes |[x]  No |