Academic Affairs Presentation Checklist

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Department: Computer and Information Systems (CIS)

Please note: If an item listed is not relevant to your specific presentation to Academic Affairs, please mark as **N/A**. Use as many pages as necessary.

OVERVIEW OF PROGRAM OR POLICY

Short-term Certificate in Cybersecurity

The CIS Cybersecurity short-term certificate is a 4-class (16-credit) suite of courses designed to prepare CIS Networking, Computer Science students and/or existing industry professionals to qualify for entry-level jobs categorized as either Junior Information Security Analysts or Cybersecurity technicians.

Course	Credits	Industry Certification
CIS 279L Linux+	4	CompTIA Linux+ Certification
CIS 279SE Security +	4	CompTIA Security+ Certification
CIS 279OP CCNA Cyber Ops	4	CCNA Cyber Ops Certification
CIS 285EH Ethical Hacking	4	Certified Ethical Hacker (CEH)

BUDGET

- This would be a 16-credit certificate created using three pre-existing classes and one new class (Cyber Ops). The new class would also be part of an AS degree and could be used an elective course in the CIS AAS degree.
- The certificate should be marketed to local networking professionals that want to add industry certifications to their resume.
    - Advertising via flyers, posters, and CIS web site.
    - Promotion via local employers: Redhawk Network Security and Hueya
    - Promotion to existing CIS networking students that would need to take at least two of these classes.
- Students will be encourage to take and pass all industry certifications. Each of these certs range in cost from $100 - $200.

Instructional Requirements

- Existing faculty will teach these courses.
    - Dan Alberghetti - CIS 279L Linux+ and 285EH Ethical Hacking
    - Carson Haury - CIS 279SE Secuirty+

- ○ Eric Magidson - CIS 279OP CCNA Cyber Ops
- When seeking new FT faculty with retirements, we will seek experience in networking and cybersecurity.
- Other COCC departments should NOT be affected.
- Within CIS, many students completing this cert will likely be degree-seeking with our existing AAS Networking or a new AS Cybersecurity.

OPERATIONAL NEEDS, CURRENT AND FUTURE

- We expect to utilize existing staff and resources, including a networking lab/classroom in Pioneer Hall 232 for the first 2-3 years the program is offered.
- We do NOT expect any additional impacts on administrative and student support departments, except for, hopefully, a growing program each year with more students.

STUDENT IMPACT

- Marketing and education of the program will be critical. The department will work to promote the program to students and solicit help from COCC public relations.
- There is potential that this short-term cert will be valuable to local computer networking professionals. We will seek out ways to advertise this program to non-degree seeking students.
- A partnership with community education may be established for these courses.
- Students in entry-level networking classes will get informed about the cybersecurity certificate.
- CIS Advisors will also make sure students know about the option of a short-term certificate while working towards another academic goal.

	1213	1314	1415	1516	16..
CIS 279L, Linux+		19.0	15.0	14.0	17.5
CIS 125A, Access	28.0	15.0		22.0	17.0
CIS 279SE, Security +	19.0	16.0	12.0	4.0	17.0

- We have averaged about 14 students per section for Linux+ and Security+ (½ of the new certificate) for the past 4 years. It's reasonable that we can encourage at least 6-10 students to complete the cybersecurity certificate by AY 19-20.

ANTICIPATED IMPLEMENTATION TIMELINE

- We would like this certificate listed in the catalog for AY 18-19.
- Students that start the cert, will likely be existing CIS Networking students.
- One new 4-credit course will be available in AY 19-20.
- Advertisements to the public can take place during AY 18-19, for new students in AY 19-20.
- When enrollment and popularity increase, we may be able to offer the certification for completion over a 2-term (Winter and Spring) period each year.