

#2223- 40

COURSE / CURRICULUM MODIFICATION REQUESTCOLLEGE **BGSU Firelands******COURSE CHANGE**

- ☐ Create new course
☐ Eliminate course
☐ Modify existing course (mark all that apply):
 ☐ Title ☐ Description ☐ Prerequisite
 ☐ Course content
 ☐ Course number (old course number to be deleted)
 ☐ Credit Hours ☐ Term offered
 ☐ Contact Hours
 ☐ Method of instruction (see table on reverse)
 ☐ Web-centric
 ☐ Web-based (definitions on reverse)

Requested Course change effective date: _____ (Semester/Year)

Implemented by Registrar, effective:

**reviewed by Undergraduate Council if it has broad impact

PROGRAM CHANGE**Program Name:** **AAB in Computer Science Technology**

- ☐ Minor change to program requirements/checksheet
☒ Change program name
☐ *Create new program and new program code (check one):
 ☐ degree ☐ major ☐ minor
 ☐ specialization ☐ certificate
☒ *Major change to program requirements/checksheet
☐ *Program to be available 100% online
☐ *Add, delete, modify program matriculation requirements
☐ *Suspend admission to and/or eliminate a program

Requested Program effective date: **Fall 2023** (Semester/Year)

Implemented by Registrar, effective:

*reviewed by Undergraduate Council

CATALOG DESCRIPTION for a new or modified course, OR BRIEF OVERVIEW of program change (limit 675 characters):

This proposal revises the name of the program from Associate of Applied Business in Computer Science Technology with two majors to Associate of Applied Business in Computer Networking and Cybersecurity with no majors. It also adds five new courses and removes five courses from the program checksheet. The program learning outcomes are revised to reflect the new course content. (If this is a new course or if the "Method of instruction" box is checked above):

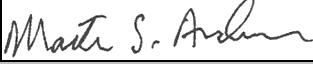




Maximum Class Size _____ Grading method: ☐ A/F ☐ S/U only ☐ A/B/C/NC (No Credit) ☐ S/NC (No Credit)

Method(s) of Instruction* _____ and contact hours _____

*See page two for Methods of Instruction definitions and approved combinations

What other colleges or departments/programs may be affected by this proposal? ** _____

**Please attach comments from affected units and circulate them with the curriculum modification request.

| | Position | Name (print or type) | Signature | Date |
|--|--|---|--|------------|
| 1 | Proposer Tel: 419- 3720861 Position: CST Program Director | Martin S. Anderson MBA |  | 02/28/2023 |
| ADEQUATE LIBRARY MATERIALS ARE AVAILABLE (For NEW COURSE or NEW PROGRAM only): | | | | |
| 2 | Dean, University Libraries | Leonidas Mallias |  | 03/01/2023 |
| APPROVED: | | | | |
| 3 | Chair or School/Program Director | Elsy Thomas, PhD., Chair Applied Sciences |  | 03/01/2023 |
| 4 | Chair, College/School Curriculum Committee | Tatiana Panas, PhD. |  | 03/01/2023 |
| 5 | Dean of College | Stephanie M. Walls, PhD. |  <small>Stephanie Walls (Mar 1, 2023 12:49 EST)</small> | 03/01/2023 |
| 6 | Secretary, UGC (major changes only) | Sarah Meussling | | |
| ACTIONS OF UNDERGRADUATE COUNCIL ARE REVIEWED BY THE FACULTY SENATE COMMITTEE ON ACADEMIC AFFAIRS (CAA). | | | Materials sent to CAA on: | |
| 7 | Provost/VPAA | Glenn Davis | | |
| REVIEWED AND IMPLEMENTED BY: | | | | |
| 8 | Registrar | | | |

SUBMITTING CURRICULUM MODIFICATION REQUESTS

A complete curriculum modification request includes a cover (blue) sheet and responses to either the “Course Change Request Form” or the “Program Change Request Form,” as appropriate (<http://www.bgsu.edu/provost/undergraduate-education/curriculum-modification-blue-sheets.html>).

The type of change will determine the way the proposal will be routed for approval. Changes that have minimal impact on other programs or on student requirements do not require review by the Undergraduate Council. For instance, “Minor changes to program requirements/checksheet” are those, such as small changes to the list of courses required for a major that have little or no effect on other academic units or on students’ likely academic progress. Please NOTE: The creation of a new course is a “Course Change,” but the addition of a course to program requirements is a “Program Change” requiring a separate blue sheet – neither change requires review by Undergraduate Council.

Any change that has a substantial impact on programs or students will require Undergraduate Council approval. For instance, “Major changes to program requirements/checksheet” are those that involve extensive new patterns of requirements for existing majors and minors (including entrance requirements from pre-major programs), or that have a significant impact on other departments’ programs / student requirements. Similarly, if a course change has wide impact on students in other programs, it will be reviewed by Undergraduate Council. Proposals for new degrees should be prepared in consultation with the office of the Provost/VPAA; they require approval by the Board of Trustees and the Ohio Department of Higher Education (formerly known as the Ohio Board of Regents). The Department of Higher Education new program/degree guidelines are available in the office of the Provost/VPAA. Program changes that include contractual arrangements with other institutions must be reviewed by University Counsel prior to signing. They also require Provost/VPAA approval and may require approval by the Board of Trustees.

CATALOG DESCRIPTION for a new or modified course, OR BRIEF OVERVIEW of other change:

1. **For requests to introduce or modify a course**, type the new description of the course (limit, 675 characters) exactly as it should appear in the Undergraduate Catalog, including course number, title, credit hours, semesters offered, description, and prerequisites. Indicate contact hours per week associated with primary methods of instruction (e.g., **LE**(2), **LB**(3)) – see table for brief definitions and approved combinations), class size, and grading method.
2. **For all other requests**, provide an identifying title for the proposal and a succinct description of the proposed change.

CHECKPOINT PROCEDURES

1. All proposals are circulated to the college offices for review (see #3, below). Anticipating that review, the person initiating the proposal should identify any academic units that may have a specific interest in the proposal. During review, the college offices are expected to attach comments from the identified units (and other units, as appropriate). The proposer may speed the process by soliciting comments prior to review by the colleges.
2. The Dean of University Libraries must certify that adequate library materials are available for any new course or new program. This may be a time-consuming step, so the proposer is encouraged to begin work with the library while the proposal is in draft form. Following library review and approval by the department chair or school/program director the proposal is forwarded to the dean for transmittal to the college curriculum committee.
3. Following review and approval by the curriculum committee and the Dean, the original and any supplemental statements should be submitted to the Office of the Provost/VPAA. All proposals will be circulated to the other colleges by the Secretary of Undergraduate Council. If no objection is raised within 14 days, proposals not requiring review by Undergraduate Council will be transmitted to the Provost/VPAA for approval. All other proposals will be forwarded to Undergraduate Council.

Methods of Instruction (defined by OBR)

Contact the BGSU Registrar for full descriptions.

| | | | |
|-----------|-----------|-----------|--------------------|
| LE | Lecture | DI | Discussion |
| SE | Seminar | RE | Recitation |
| LB | Lab | CL | Clinical |
| PR | Practicum | FE | Field Experience |
| ST | Studio | IS | Individual Studies |
| TU | Tutorial | SP | Self-Paced |
| OT | Other | | |

Web-centric: Course requires at least one class meeting, but web materials will be used to substitute for at least half of the regularly scheduled class meetings. Extensive use of the web will be required.

Web-based: 100% online course – students do not meet in a traditional classroom setting.

Approved Combinations

| | | | |
|-----------------|------------------------------|--------------|------------------------------|
| LE/LB | Lecture/ Lab | SE/FE | Seminar/ Field Experience |
| DI/RE | Discussion/ Recitation | TU/SP | Tutorial/ Self-Paced |
| LE/RE | Lecture/ Recitation | LE/LB | Lecture/Lab/ Recitation |
| LE/RE/PR | Lecture/Recitation/Practicum | | |

Modifications to courses cross-listed as graduate courses should be processed simultaneously through the Graduate College.

PROGRAM CHANGE REQUEST FORM

This sheet is an overview of the content and format of proposals for a new undergraduate program, or for elimination or modification of an existing program. Most program changes must be reviewed by Undergraduate Council and, in some cases, by the Board of Trustees and/or the Ohio Board of Regents. As a result, a proposal for program changes should generally be prepared in consultation with the Office of the Senior Vice President for Academic Affairs and Provost. Some of the information in the proposal must be summarized on the COURSE/CURRICULUM MODIFICATION REQUEST cover sheet ("blue sheet") that will accompany it through the approval process. *Depending on the nature of the request, it may not be necessary to provide all the information below. Please use your own responses to the checkbox items on the "blue sheet" as a guide for deciding which items below are relevant to your proposal.* Please use the outline headings shown below to prepare your document; omit any that do not apply.

A. THE MODIFICATION

1. *For all proposals:* Describe briefly the nature of the proposed change.

This proposal revises the name of the program from Associate of Applied Business in Computer Science Technology with two majors to Associate of Applied Business in Computer Networking and Cybersecurity with no majors. It also adds five new courses and removes five courses from the program checksheet. The program learning outcomes are revised to reflect the new course content. Other revisions to Mathematics and BG Perspectives course requirements were previously proposed and are included in the new checksheet.

The curriculum modification process is intended to change program requirements as represented in the Undergraduate Catalog and on checksheets. For this reason, all curriculum modifications for new programs or program revisions must include:

- 1.1 A checksheet that shows and highlights the proposed change(s). (Please make the *changes* on the checksheet *obvious*, preferable with revision markings).
 - 1.2 Catalog pages (printed from the current version of the online catalog) showing the proposed changes. (Please use revision markings or some other device to make *changes obvious*). If a new program is being proposed, then new catalog copy should be submitted. Care should be taken to ensure that the proposed changes to the catalog match the proposed changes to the checksheet.
2. List courses to be taken out of program requirements. (If courses are to be eliminated from course inventory, submit a separate "course change" for that action).
 - CS 1000 Understanding Computers**
 - CST 2750 Microcomputer Hardware Systems**
 - ECET 2400 Electric Circuits or ECET 2490 Digital Electronic Components/Systems**
 - MATH 1150 Introduction to Statistics (QL)**
 - Eliminate the additional business course currently on the checksheet**
 3. List courses to be added to program requirements. (If new courses are to be added to course inventory, submit a separate "course change" for that action).
 - CST 1100 Introduction to Information Technology (CST 1100 will be replaced by the university-wide introductory course in cybersecurity current being developed)**
 - CST 2100 Cybersecurity Principles as an OR to CST 2850 Network Security Principles**
 - CST 2200 Ethical Hacking Principles**
 - CST 2300 Cyber Defense Practices**

CST 4400 Cloud Technologies

4. *For proposals to make major changes to program requirements:* Describe any change to the sequence of courses within a major/minor/area of specialization/certificate.

The Computer Support Specialist and Computer Networking Specialist majors within the CST program are being eliminated with separate curriculum modifications and replaced with this single associate degree.

5. Will this change result in modification of student learning outcomes? ☒ yes ☐ no
If yes, list all changes to the student learning outcomes related to the curriculum modification and describe the plan for assessing those outcomes.

See attached Learning Outcomes included with the proposed catalog copy.

6. Program changes approved before the January deadline for the Catalog update will be recorded in the Catalog and will be in effect for checksheets in the fall of that year.

B. RATIONALE *[Required for all proposals]:*

1. Reason/Need for the change. For new programs, explain how this fits with the Academic Plan.

Declining enrollments over the past few years indicate a need to revise the program to meet the needs of the geographic area that we serve. This need was underscored by the ABET Bridge report which was generated through the program review process in 2021. The report recommended that both of the existing majors be eliminated and replaced with a program that emphasizes cybersecurity and networking. This modification is the result of those recommendations along with the recommendations of the CST Advisory Committee. The proposed changes, along with the curriculum already in place will give students a strong set of foundational knowledge and skills to leverage as they obtain their first job in the Information Technology field.

The ABET report indicated that the name "Computer Science Technology" for the program is unclear and should be changed to reflect the actual content of the curriculum. This modification addresses that concern.

The emphasis of the course material will be aligned with vendor-neutral Information Technology certifications where possible. With further study and preparation, students will have the knowledge to take and pass as many as eight of the certification exams. Possessing these certifications will make the students graduating from the program a much stronger candidate in the job market as opposed to a student with only a degree or only certifications.

2. Student implications (describe the basis for each estimate)

- 2.1 Prospective demand for a new degree/major/minor (level of student interest).

Enrollment in the program has fluctuated over the past ten years from a high of 44 students in 2012 to a low of 15 students in 2021. The initial goal is to build the program up to 25 students by fall 2024 and continue to build the program in subsequent years.

- 2.2 Effect on required hours in degree/major/minor.

No change to the required hours from this proposal.

- 2.3 Number of students affected and in what way.

No students are affected.

- 2.4 Effect on elective hours of majors/minors.

None

2.5 If a degree/major/minor is to be eliminated, how will current students in the program be accommodated?

Current students will be sent correspondence concerning elimination of the Networking Specialist major. They will be permitted to complete the current program within three semesters of the effective date of this modification.

2.6 If requirements for matriculation from a pre-major program are to be added or modified, how will those changes affect student enrollment and progress toward graduation?

N/A

2.7 Is this a degree program whose normal time to degree is something other than four calendar years for a baccalaureate degree and two calendar years for an associate degree? If so, how many hours/years to obtain the degree?

N/A

C. IMPLICATIONS FOR EXISTING PROGRAMS *[For all proposals]:*

1. How will the proposed change affect the integrity of other programs to which it is related, including the demand for courses or degrees in other programs

1.1 in the department/school?

This change will allow students a pathway to the BTAS (IT Management) program as did the previous iteration of the program.

1.2 in the college?

No change

1.3 in other university departments/colleges?

No change

1.4 at other universities?

No change

2. What individuals in other departments/schools/colleges, if any, have been consulted about this proposal? *[attach correspondence where appropriate]*

Dr. Stephanie Walls, Associate Dean, BGSU Firelands

Dr. Andrew Kurtz, Dean, BGSU Firelands

Jong Kwan Jake Lee, Chair, Computer Science Department, BGSU

CST Advisory Board

3. What effect will the proposed change have on accreditation of this program or of associated programs in the college/university?

This program is not currently eligible for accreditation within ABET.

4. What effect will the proposed change have on the ability of the department/school/college/university to meet goals for recruitment, retention, and diversity?

This requested change will give the college a contemporary degree in information technology. The program name change will make the program more marketable as the program name will more clearly identify the content of the program. Since cybersecurity and networking graduates are in high demand, the college should be able to improve their recruitment, retention, and diversity goals.

D. STAFFING IMPLICATIONS/QUALIFICATIONS

1. *For new programs, or if an existing degree/major/minor/area of specialization is to be modified:*

Are faculty and staff with expertise available now? ☒ yes ☐ no

If not, how will they be identified/recruited? **As proposed, existing faculty is adequate to support the program. However, as the program grows, consideration should be given to the ABET**

recommendation to hire the faculty position that was not replaced in 2017 after the departure of a faculty member.

2. *For all proposals:* How will this change affect the allocation of faculty and staff in the department/school/college? **No change**

3. *For all proposals:* How will this change affect faculty work load? **No change**

E. AVAILABILITY OF RESOURCES

1. *For all proposals:* Indicate any unique space requirements for new or modified curricula, and space likely to be released by the elimination or modification of existing curricula, and space likely to be released by the elimination or modification of existing curricula.

None

2. *For all proposals:* Indicate any new one-time or continuing costs for materials, equipment, services, or personnel directly associated with a new or modified curriculum. How will these costs be covered? Indicate any cost savings to be generated if an existing degree/major/minor/area of specialization is to be eliminated.

None

3. *For all programs, or if an existing degree/major/minor/area of specialization to be modified:* Indicate any unique library, computer, or instructional media resources that will be needed for new or modified curricula. Are they already available?

None

F. TIMETABLE FOR IMPLEMENTATION [*For all proposals*]

1. Provide a detailed timetable for events that will occur as the proposed program change is accomplished (e.g. addition or elimination of courses, hiring of faculty).

Once this request is approved, the Computer Networking Specialist major suspension will be submitted. The Computer Support Specialist major elimination has already been submitted.

G. OTHER INFORMATION

1. Provide other information that may be helpful in the review process, as appropriate.

Fall 2022

Associate of Applied Business in Computer
Science Technology Degree Program

Computer Networking Specialist Computer Networking and Cybersecurity Degree Program

BGSU.Firelands

General Requirements

Students are responsible for adhering to all college and university requirements and policies as stated in the BGSU Undergraduate Catalog. Prerequisites shown below are for reference only.

Communication

WRIT 1120 is required. Based on placement scores, WRIT 1100 and/or WRIT 1110 may also be required. COMM 1020 or 3060 is also required (3060 is preferred) as well as BA 2030 or ENG 3880.

| Hrs | Grade | |
|-----|-------|---|
| 3 | | WRIT 1110 Seminar in Academic Writing |
| 3 | | WRIT 1120 Seminar in Research Writing |
| 3 | | COMM 1020 Introduction to Communication or COMM 3060 Interpersonal Communication for Non-Majors |
| 3 | | BA 2030 Business Communication or ENG 3880 Introduction to Technical Writing |

Mathematics

MATH 1220 and MATH 1150 or STAT 2000 is required

| | | |
|---|--|---|
| 4 | | MATH 1190 Real World Math Skills or MATH 1220 College Algebra II |
| 3 | | MATH 1150 Introduction to Statistics (QL) or STAT 2000 Using Statistics (QL) |

BG Perspectives Curriculum

Each student must complete one Natural Science (N) elective.
Four courses in general studies coursework must be completed.
Choices should be made from the list of approved courses in the BG
Perspective (General Education Core) Curriculum listed in the BGSU
Undergraduate Catalog available at www.bgsu.edu/catalog.html

| | | |
|---|--|---|
| 3 | | BGP Elective (N) |
| 3 | | PHIL 1020 Introduction to Ethics |
| 3 | | BGP Elective (S or C) Prefer PSYC 1010, SOC 1010, or POLS 1100 |

Each student must complete a sufficient number of electives to earn a minimum of 62 semester hours. At least 15 credit hours must be BGSU courses. Please check with your advisor for appropriate course selections.

Technical Core

| Hrs | Grade | |
|-----|-------|--|
| 3 | | CS-1000 Computer Basics |
| 3 | | CST 1200 Introduction to Operating Systems |
| 3 | | CS 1010 Python Programming |
| 3 | | CST 2520 Helpdesk Troubleshooting |
| 3 | | CST 2750 Microcomputer Hardware Systems |
| 3 | | CST 2810 Networking & Internet Implementation |
| Add | 3 | CST 1100 Introduction to Information Technology |
| Add | 3 | CST 4400 Cloud Technologies |

Computer Networking Specialist Major and Cybersecurity

| | | |
|-----|---|---|
| 2 | | CST 1410 Networking Fundamentals |
| 2 | | CST 1420 Routing and Switching Essentials |
| 3 | | CST 1430 Intermediate Routing, Switching, & WAN Tech |
| 2 | | CST 1450 Introduction to Network Cabling |
| 3 | | CST 2850 Network Security Principles or CST 2100 Cybersecurity Principles |
| Add | | ECET 2400 Electric Circuits or ECET 2490 Digital Electronic Components/Systems |
| Add | 3 | CST 2200 Ethical Hacking Principles |
| Add | 3 | CST 2300 Cyber Defense Practices |

Business/Support Courses

BA-1500 or BAT-1020 is required. Select one other course from those listed:

| | | |
|---|--|---|
| 3 | | BA 1500 Overview of Business Administration or BAT 1020 Introduction to Business Technology |
| | | ACCT 2000 Accounting Concepts for Nonbusiness Student or ACCT 2210 Accounting and Business Concepts I |
| | | BAT-2050 Total Quality Leadership or BAT-2090 Management and Supervision |
| | | IS-2000 Introduction to Information Systems |
| | | CS-2170 Computer Organization |

Courses with the prefixes of CST and BAT WILL NOT meet the requirements for the degree programs in the Computer Science Department of the College of Arts and Sciences

Proposed Catalog Copy

Associate of Applied Business in Computer Networking and Cybersecurity

1. [Bowling Green State University](#)
2. [Catalog](#)
3. [Colleges and Programs](#)
4. [BGSU Firelands](#)
5. Associate of Applied Business in Computer Networking and Cyber Security

BGSU Firelands

Martin S. Anderson, M.B.A., program director

The associate of applied business in computer networking and cyber security prepares students for employment in the areas of information technology field dealing with information technology networking and system administration. The primary focus is using industry-recognized standards and practices to identify security vulnerabilities and to secure the information and network from intruders. Students learn to manage and configure computers using various operating systems and also provide critical network services to a diverse population of clients in a secure manner.

The program uses a mixture of core software applications, networking classes, and security training that includes extensive hands-on experience in both the classroom and virtual environments. This degree includes extensive coverage of the legal and ethical aspects of the cyber security field. The security concepts are vendor-neutral and are apply to all system types. High standards of systems and network security are emphasized throughout the program.

Many of the courses in this degree will also help student prepare for exams from CompTIA, Microsoft, Cisco Systems, and other industry-recognized certifications. These include ITF+, Security+. CCNA, Network+, CYSA+, CEH, and others.

Increased recognition of the need for secure systems and networks by employers provides increased opportunities for employment in this field.

Learning Outcomes

Graduates from this program will possess the following knowledge and skills:

- Implement a hardware and software configuration responsive to an identified scenario;
- Plan, design, and implement a converged computer network system;
- Identify and implement a variety of enterprise-level storage technologies;

- Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure;
- Develop policies and procedures to manage enterprise security risks;
- Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities, and training.
- Create and present training materials for users of information technology.

From: [Stephanie Mora Walls](#)
To: [Glenn Davis](#)
Cc: [Sarah Meussling](#)
Subject: CST program change follow up
Date: Wednesday, April 12, 2023 3:24:46 PM
Attachments: [CST Program modification discussion on april 11th.msg](#)
[image001.png](#)

Hi Glenn,

Marty Anderson met with Jake Lee and Riunian Li (CS) and Mike Good (SCoB) to discuss content for a possible universal intro cybersecurity course yesterday. At this meeting, Marty took the opportunity to formally consult with them regarding our program change proposal for the AAB in CST. I have attached an email summary of that meeting. While a Tech representative was not at this meeting, Marty has communicated with Nathan Percival on a number of occasions during the blue sheet creation process. Nathan had the opportunity to review all of the related blue sheets and provided us with detailed feedback. After UGC last week, Jared Tuberty emailed Jennie Gallimore and copied me letting her know about the additional opportunity for consultation, but I haven't heard back yet. I am hoping that Marty's meeting and the previous consultation with Nathan will suffice. Let me know!

Thanks,
Stephanie



Stephanie M. Walls, Ph.D.
Associate Dean for Academic & Student Affairs
Associate Professor of Political Science
BGSU Firelands
Huron, OH 44839
419-372-0623

From: [Martin S Anderson](#)
To: [Michael S Good](#); [Jong Kwan Jake Lee](#); [Ruinian Li](#)
Cc: [Stephanie Mora Walls](#)
Subject: CST Program modification discussion on april 11th
Date: Wednesday, April 12, 2023 2:28:31 PM
Attachments: [image001.png](#)

Hi All:

As part of our meeting concerning the content for the Introduction to Cybersecurity University-wide course, we also discussed the CST program modification that is currently being considered by UGC.

We discussed the following points.

- This is a modification to the current associate degree program.
- The renaming of the program is to make it clearer to the students the true content of the program.
- The majority of the courses are going to be industry certification-based content.
- The Introductory course that is included in the proposal will be replaced by the Introductory course that our group has worked on when it is finalized.
- BGSU Firelands is not currently considering a Bachelor's program (BTAS) in Cybersecurity.

Thanks again for your participation yesterday.

Marty



Martin S. Anderson MBA
Teaching Professor/Program Director, Computer Science Technology
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One University Dr,
Huron, OH 44839
Office: 419-372-0861

Department of Computer Science

221 Hayes Hall
Bowling Green, Ohio 43403
419-372-2337

April 17, 2023

To: Martin S. Anderson
Teaching Professor, Computer Science Technology

From: JK Jake Lee
Chair, Department of Computer Science

RE: Acknowledgement Letter for Curriculum Change to AAB in Computer Networking and Cybersecurity

This will serve as an acknowledgement letter from the Department of Computer Science regarding the proposed changes to the Associate of Applied Business in Computer Networking and Cybersecurity.

Cybersecurity has been emphasized not only in academia, but all other business sectors and government agencies as it plays very critical role in management of intellectual properties and other assets. The cybersecurity program in our department, B.S./B.A. in Computer Science with Digital Forensics specialization, has been growing rapidly (e.g., 15 students enrolled in 2019 Fall → 47 students enrolled in 2022 Fall, 25 applications in 2022 Fall → 76 applications in 2023 Fall). However, there is still a huge gap between the demand and the supply.

In our department's view, the degree and curricula changes proposed by the Firelands campus's Computer Science Technology will supplement the workforce needs as it provides the cybersecurity learning experience targeted for professional certificates and a pathway for students who may not want a four-year cybersecurity degree program.

One minor recommendation is to consider requiring CST 1810 and CST 3200 since CST 4400's prerequisite is CST 1410 or CST 1810 and CST 3200, and CST 1410's prerequisite is CS 1000 (i.e., as CS 1000 is being removed from the requirement and CST 3200 is not required, it seems there are hidden requirements.)

Regards,



JK Jake Lee

Associate Professor and Chair
Department of Computer Science / Bowling Green State University
Email: leej@bgsu.edu / Office: 419-372-2407