

#2223-45

COURSE / CURRICULUM MODIFICATION REQUEST

COLLEGE **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 eliminates the Computer Support Specialist major within the AAB in Computer Science Technology program. Currently, there are not any students within the major nor have there been any graduates from this major for a number of years. This proposal is part of a major reorganization of the CST program.

(If this is a new course or if the "Method of instruction" box is checked above):

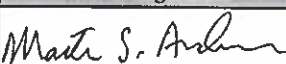




Maximum Class Size Grading method: ☐ A/F ☐ S/U only ☐ A/B/C/NC (No Credit) ☐ S/NC (No Credit)

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		03/03/2023
ADEQUATE LIBRARY MATERIALS ARE AVAILABLE (For NEW COURSE or NEW PROGRAM only):				
2	Dean, University Libraries	Leonidas Mallias		03/06/2023
APPROVED:				
3	Chair or School/Program Director	Elsy Thomas, PhD., Chair Applied Sciences		03/07/2023
4	Chair, College/School Curriculum Committee	Tatiana Panas, PhD.		03/07/2023
5	Dean of College	Stephanie M. Walls, PhD.	 <small>Stephanie Walls (Mar 7, 2023 08:48 EST)</small>	03/07/2023
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	<input type="text"/>		

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 eliminates the Computer Support Specialist major within the AAB in Computer Science Technology program. Currently, there are not any students within the major and there have not been any graduates from this major for a number of years. This proposal is part of a major reorganization of the CST program.

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).

This will remove all courses from the Computer Support Specialist major 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).

N/A

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.

N/A

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.

All of the learning outcomes for the program are being rewritten as part of the program reorganization and have been submitted on a separate request form.

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 one of the necessary steps in the reorganization process. This proposal was endorsed by the CST Advisory Committee at their fall 2022 meeting. This major has not had any graduates for a number of years and currently there aren't any students who have declared it.
2. Student implications (describe the basis for each estimate)
 - 2.1 Prospective demand for a new degree/major/minor (level of student interest).
There are not any students currently in the program
 - 2.2 Effect on required hours in degree/major/minor.
N/A
 - 2.3 Number of students affected and in what way.
None
 - 2.4 Effect on elective hours of majors/minors.
N/A
 - 2.5 If a degree/major/minor is to be eliminated, how will current students in the program be accommodated?
There are not any students currently in this major.
 - 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?
N/A
 - 1.2 in the college?
N/A
 - 1.3 in other university departments/colleges?
N/A
 - 1.4 at other universities?
N/A
2. What individuals in other departments/schools/colleges, if any, have been consulted about this proposal? *[attach correspondence where appropriate]*
None

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 eligible for formal ABET accreditation.

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?

No effect

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?

2. *For all proposals:* How will this change affect the allocation of faculty and staff in the department/school/college? **The required courses for the major have not been taught for a number of years and were mostly taught by adjunct faculty.**

3. *For all proposals:* How will this change affect faculty work load? **No change in the full-time faculty load.**

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.

No changes to space requirements for the program.

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.

The cost savings that might be generated by this elimination have already been realized as the courses have not been offered for a number of years.

3. *For all programs, or if an existing degree/major/minor/area of specialization is 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?

No requirements.

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).

After the complete renaming/reorganization of the CST program is approved, a review of the existing courses in the catalog will be made and courses will be eliminated if indicated.

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 Support Specialist**

BGSU.Firelands

Eliminate

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 1010 and/or WRIT 1110 may also be required. COMM 1020 or 3060 is also required as well as BA 2030.

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

Mathematics

MATH 1220 and MATH 1150 or STAT 2000 is required.

3		MATH 1220 College Algebra I
3		MATH 1150 Introduction to Statistics (Q1) or STAT 2000 Using Statistics (Q1)

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		BGP Elective (H, S, N, or C)
3		BGP Elective (H, S, N, or C)

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
1		CST 1000 Introduction to Programming Logic and Design
1		CST 1020 Information Technology Ethics
3		CST 1200 Introduction to Operating Systems
3		CS 2010 Programming Fundamentals
3		CST 2520 Helpdesk Troubleshooting
3		CST 2750 Microcomputer Hardware Systems
3		CST 2810 Networking & Internet Implementation

Computer Support Specialist Major

3		CS 1010 Introduction to Programming
1		CST 1350 Introduction to Web Page Development
1		CST 1360 Advanced Web Page Development
1		CS 2800 Intermediate Topics
3		EDWF 2620 Advanced Productivity Software
3		CST 1810 Network and Internet Principles
3		CST 2540 User Support for Desktop Applications
3		CST 2610 Microcomputer Database Systems

Business/Support Courses

BA 1500 or BAT 1020 is required. Select one cluster course from those listed.

3		BA 1500 Overview of Business Administration or BAT 1020 Introduction to Business Technology
3		ACCT 2000 Accounting Concepts for Nonbusiness Student or ACCT 2210 Accounting and Business Concepts I
3		BAT 2050 Total Quality Leadership or BAT 2090 Management and Supervision
3		IS 2000 Introduction to Information Systems
3		ENG 3880 Introductory Technical Writing

Other Courses (Not Required)

_____	_____
_____	_____

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.

Computer Support Specialist

Bowling Green State University Catalog Colleges and Programs BGSU Firelands Computer Support Specialist

BGSU Firelands

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

The associate of applied business in computer science technology prepares students for employment as ~~computer support specialists or~~ computer networking specialists. Employment opportunities for these fields are expected to grow. The curriculum for ~~each of these majors~~ ^{this} is designed around the knowledge, skills, and abilities needed for employment.

~~Computer Support Specialist – Fall 2022 course requirements~~

~~Computer support specialists provide technical assistance to computer users. They provide overall corporate support in the selection and implementation of new software as well as work at the individual level answering questions and solving problems. They must be knowledgeable of hardware, operating systems, application software, and peripheral devices. Employment opportunities exist in industries that design and provide services for computer systems, administrative units of companies, school systems, and software publishers. The U.S. Department of Labor data indicates a 30% growth in total employment for this occupation.~~

Learning Outcomes

Graduates from this program are expected to achieve the following:

- ~~• The ability to install and configure microcomputer hardware and operating systems, and customize the operating system interface;~~
- ~~• An understanding of the operations of microcomputer hardware, firmware, and operating systems, along with the interrelationships among them;~~
- ~~• The ability to install, configure, and maintain computer networking hardware, network operating systems, and network services, including accounts and configuring resources security;~~
- ~~• The ability to install, configure, and maintain Internet server software and services, including Web and FTP hosting services;~~

- An ability to provide Web page support by creating dynamic and interactive Web pages and programming scripts;
- An understanding of programming principles and logic, and its application to the development of computer programs to perform specified tasks;
- An ability to design, implement, and support the use of electronic spreadsheet applications in support of end users;
- An ability to provide support for operating systems, both to the corporate entity and end-users alike.

Computer Networking Specialist - Fall 2022 course requirements

Computer networking specialists install, configure, and support the corporation's computer network.

Graduates must be knowledgeable of local area networks (LAN), wide area networks (WAN), and the Internet system. Other key skills taught in the program include the ability to maintain hardware and software to keep a network available and operating securely and efficiently.

Learning Outcomes

Graduates from this program are expected to achieve the following:

- The ability to install and configure microcomputer hardware and operating systems, and customize the operating system interface;
- An understanding of the operations of microcomputer hardware, firmware, and operating systems, along with the interrelationships among them;
- The ability to install, configure, and maintain computer networking hardware, network operating systems and network services, and configuring resources security;
- The ability to install, configure, and maintain Internet server software and services, including Web and FTP hosting services;
- An ability to provide Web page support by creating dynamic and interactive Web pages and programming scripts;
- An understanding of programming principles and logic, and its application to the development of computer programs to perform specified tasks;
- An ability to accomplish network wiring and cabling tasks, including making cables and punch-down connections.