

**First Name**

Erin

**Last Name**

Hawkins

**Person ID**

0405028

**Email**

erin.hawkins@swosu.edu

**Department**

Computer Science

## Program Information

### Official Degree Designation and Program Title

e.g. Associate in Science in Cybersecurity, Bachelor of Fine Arts in Music Performance, Master of Science in Accounting

Bachelor of Science in Computer Science

### Program Code

Please list the 3-digit OSRHE program code.

088

### This program has approved options

Yes

### Approved Program Options

Please list all current options within the program. Use a separate line for each option.

Computer Forensics  
Cybersecurity  
Data Analytics  
Management Information Systems  
Software Development  
Video Game Design

### Is this program part of a cooperative agreement?

No

### Does this change impact an embedded certificate?

No

### Does the CIP Code for this program need to be updated?

No

## Type of Request(s)

### Program Suspension?

No

### Electronic Delivery of Existing Program

NOTE: Electronic delivery is recognized at the program level. If the existing program has options that are offered via electronic delivery and the program meets State Regents' policy for electronic delivery, the program MUST be approved for electronic delivery.

**Option Additions?**

**Option Deletion?**

**Option Name Change?**

**Program Requirement Change(s)?**

**Explanation of changes**

Please provide a brief summary of changes being made.

For the VIDEO GAME DESIGN option...  
1) Removing MRKTG-3143 Principles of Marketing from required course list  
2) Adding COMSC-2413 Data Structures in its place (-2413 is the prerequisite to another required option course -- COMSC-3133 Software Engineering)

**Total Credit Hour Change?**

**Justification for program requirement changes\***

Please provide a brief summary of the reason for the program requirement changes.

Adding a prerequisite course to the VIDGD option's required course list so that it's not missed by students.

**Program Reinstatement?**

**Program Name Change?**

**Degree Designation Change?**

Changes formerly classified as substantive and non-substantive will now be combined as program requirement changes. (e.g. course credit hour changes, changes in courses required for graduation, changing credit hours required for electives, course prefix changes, course title changes, removing courses from list of electives)

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**Documents**

If applicable, submit any documentation related to the requested action.

# CURRENT COMPUTER SCIENCE MAJOR

## Required Courses..... 33

COMSC	1033	Computer Science I
COMSC	1053	Computer Science II
COMSC	1103	Intro to Information Security & Ethics
COMSC	2043	Discrete Structures
COMSC	3053	Operating Systems
COMSC	3153	Data Communications & Networks
COMSC	4173	Mobile Applications
COMSC	4513	Business Intelligence
COMSC	4953	CS/IS Capstone I
ENTRP	3113	Intro to MIS
TECH	3143	Technical Presentations

## Approved Computer Science Electives..... 9

1000/2000 Level Computer Science Electives (0-3)
3000/4000 Level Computer Science Electives (6-9)

## Choose an option below ..... 21

### Computer Forensics Option (CMPFR) .....21

#### Required Courses..... 18

COMSC	2603	Network Security
COMSC	3253	Introduction to Computer Forensics
COMSC	3403	Database Systems
COMSC	3603	Hardware/Software Concepts
COMSC	3853	Computer Forensics Analysis
CRMJS	1113	Intro to Criminal Justice

#### Auxiliary Requirement† .....3

CRMJS	3163	Sociology Deviant & Criminal Behavior
PSYCH	3323	Abnormal Psychology
PSYCH	3363	Psychology of Personality

### Cybersecurity Option (CYBER).....21

#### Required Courses..... 18

COMSC	2603	Network Security
COMSC	3403	Database Systems
COMSC	3413	Introduction to Cybersecurity
COMSC	3613	Cybersecurity Ethics & Law
COMSC	4143	Server Management
CRMJS	1113	Intro to Criminal Justice

#### Auxiliary Requirement† .....3

CRMJS	3163	Sociology Deviant & Criminal Behavior
PSYCH	3323	Abnormal Psychology
PSYCH	3363	Psychology of Personality

### Data Analytics Option (DATAA) .....21

#### Required Courses..... 18

COMSC	2413	Data Structures
COMSC	3013	Computer Architecture
COMSC	3133	Software Engineering
COMSC	3913	Web Development
COMSC	4133	Design & Analysis of Computer Algorithms
ECONO	2463	Business Statistics

#### Auxiliary Requirement† .....3

ENTRP	3823	Quantitative Methods in Business
MNGMT	3233	Management
MNGMT	4133	Production Operations Management
MRKTG	3143	Principles of Marketing
MRKTG	4243	Marketing Research

### Management Information Systems Option (MNINS) .....21

#### Required Courses..... 21

COMSC	2603	Network Security
COMSC	3403	Database Systems
COMSC	3913	Web Development
COMSC	4043	Geographical Information Systems
COMSC	4143	Server Management
ECONO	2463	Business Statistics
ENTRP	3823	Quantitative Methods in Business

### Software Development Option (SOFTD).....21

#### Required Courses..... 21

COMSC	2413	Data Structures
COMSC	3013	Computer Architecture
COMSC	3133	Software Engineering
COMSC	3603	Hardware/Software Concepts
COMSC	3913	Web Development
COMSC	4133	Design & Analysis of Computer Algorithms
ECONO	2463	Business Statistics

### Video Game Design Option (VIDGD) .....21

#### Required Courses..... 21

COMSC	2463	Programming in C# with Unity
COMSC	2473	Programming in C++
COMSC	3123	Introduction to eSports Management
COMSC	3133	Software Engineering
ENGL	4653	Writing for Multimedia
ENTRP	4123	Professional Development
MRKTG	3143	Principles of Marketing

## PROPOSED CHANGES (to VIDGD option) -- COMPUTER SCIENCE MAJOR

### Required Courses..... 33

COMSC	1033	Computer Science I
COMSC	1053	Computer Science II
COMSC	1103	Intro to Information Security & Ethics
COMSC	2043	Discrete Structures
COMSC	3053	Operating Systems
COMSC	3153	Data Communications & Networks
COMSC	4173	Mobile Applications
COMSC	4513	Business Intelligence
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#### Data Analytics Option (DATAA) ..... 21

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COMSC	3133	Software Engineering
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##### Auxiliary Requirement† ..... 3

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COMSC	3133	Software Engineering
ENGL	4653	Writing for Multimedia
ENTRP	4123	Professional Development
<del>MRKTG</del>	<del>3143</del>	<del>Principles of Marketing</del>

# Package History

Date	User	Action
9/26/2024 8:04:23 AM	Hawkins, Erin	Submitted 'Program Modification'
9/26/2024 8:04:39 AM	Wald, Trisha	Received
9/30/2024 11:08:54 AM	Hawkins, Erin	Received
9/30/2024 11:08:54 AM	Wald, Trisha	Decision Returned to a previous user on step 'FLOW-Deans'
9/30/2024 11:24:41 AM	Hawkins, Erin	Added attachment 'current vs. changes -- VIDGD option (F2025 prog mod).docx'
9/30/2024 11:24:58 AM	Hawkins, Erin	Decision Submitted on step 'Start'
9/30/2024 11:25:21 AM	Wald, Trisha	Received
9/30/2024 11:40:36 AM	Sweeney, Karen	Received
9/30/2024 11:40:36 AM	Wald, Trisha	Decision Referral on step 'FLOW-Deans'
10/1/2024 11:40:32 AM	Wald, Trisha	Received
10/1/2024 11:40:32 AM	Sweeney, Karen	Decision Approved as referral on step 'FLOW-Deans'
10/2/2024 9:17:44 AM	Wald, Trisha	Decision Approved on step 'FLOW-Deans'
10/2/2024 9:18:09 AM	FLOW- Provost's Executive Assistant	Received