2025/2026 CATALOG ADDENDUM - I

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Catalog changes included in this Addendum are listed below:

Catalog Page Reference: none
Effective Date: July 1, 2025
Summary of Changes: omitted from the catalog.

Change

MINORS

In addition to undergraduate majors, the University offers a selection of minors designed to complement and broaden a student's primary field of study. Minors typically consist of 18 credits and must be completed in conjunction with a bachelor's degree. Minors provide an opportunity to develop additional expertise, explore interdisciplinary interests, or enhance career preparation. Students should consult with the academic advisor to ensure that course selections for a minor align with degree requirements and do not duplicate coursework in the major.

Bay Atlantic University offers the following Minors:
- Artificial Intelligence Engineering
- Business Administration and Management
- Cloud Engineering
- Information Sciences
- Software Engineering

MINOR IN ARTIFICIAL INTELLIGENCE ENGINEERING

Minor Requirements: 18 Credits (6 courses) A minimum grade of C required for all courses including the prerequisites.

For students enrolled in any program other than Information Sciences:

Course Listing

Core Requirements: 15 Credits (5 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 122	Introduction to Programming I		3
CMPS 202	Data Structures and Algorithms I	CMPS 122	3
CMPS 310	Introduction to Artificial Intelligence	CMPS 202	3
CMPS 322	Machine Learning and Pattern Recognition	CMPS 202	3
CMPS 411	Fundamentals of Deep Learning	MATH 104 & CMPS 202	3

Elective Requirement: 3 Credits (1 course) Choose 1 from electives below:

Course Code	Course Name	Pre-requisite	Credit
CMPS 205	Data Structures and Algorithms II	CMPS 202	3
CMPS 337	Information Retrieval Systems	CMPS 122	3
CMPS 426	Bioinformatics	MATH 110	3
CMPS 337	Information Retrieval Systems	CMPS 122	3
CMPS 426	Bioinformatics	MATH 110	3

For students enrolled in Bachelor of Science in Information Technology:

Course Listing

Core Requirements: 9 Credits (3 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 310	Introduction to Artificial Intelligence	CMPS 202	3
CMPS 322	Machine Learning and Pattern Recognition	CMPS 202	3
CMPS 411	Fundamentals of Deep Learning	MATH 104 & CMPS 202	3

Elective Requirement: 9 Credits (3 course) Choose 3 from electives below:

Course Code	Course Name	Pre-requisite	Credit
CMPS 205	Data Structures and Algorithms II	CMPS 202	3
CMPS 332	Analysis of Algorithms	CMPS 205	3
CMPS 337	Information Retrieval Systems	CMPS 122	3
CMPS 426	Bioinformatics	MATH 110	3

For students enrolled in Bachelor of Science in Software Engineering:

Course Listing

Core Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 310	Introduction to Artificial Intelligence	CMPS 202	3
CMPS 322	Machine Learning and Pattern Recognition	CMPS 202	3
CMPS 411	Fundamentals of Deep Learning	MATH 104 & CMPS 202	3
CMPS 332	Analysis of Algorithms	CMPS 205	3
CMPS 337	Information Retrieval Systems	CMPS 122	3
CMPS 426	Bioinformatics	MATH 110	3

MINOR IN BUSINESS ADMINISTRATION AND MANAGEMENT

Minor Requirements: 18 Credits (6 courses)

For students enrolled in Political Science and International Relations:

Course Listing

Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
ECON 101*	Introduction to Microeconomics	-	3
ECON 111*	Introduction to Macroeconomics	-	3
BUSN 101	Introduction to Business Administration	-	3
ACCT 112	Introduction to Financial Accounting	-	3
	200 - 300 Level Business Course	-	3
	300 – 400 Level Business Course	-	3

*Currently offered within the program. No more than 6 credits can be counted twice toward the minor.

For students enrolled in any Information Sciences Program:

Course Listing

Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
BUSN 101	Introduction to Business Administration	-	3
ECON 101	Introduction to Microeconomics	-	3
ECON 111	Introduction to Macroeconomics	-	3
ACCT 112	Introduction to Financial Accounting	-	3
FINC 221 or MKTG 201	Introduction to Financial Management	-	3
	Introduction to Marketing	-	3
	Any 200 – 400 Level Business Course*	-	3

*No more than 6 credits can be counted twice toward the minor.

MINOR IN CLOUD ENGINEERING

Minor Requirements: 18 Credits (6 courses) A minimum grade of C required for all courses including the prerequisites.

For students enrolled in any program outside of Information Sciences:

Course Listing
Core Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 122	Introduction to Programming I		3
CMPS 225	Cloud Computing		3
CMPS 315	Operating Systems	CMPS 122	3
ISIT 325	Cloud Data Storage	ISIT 225	3
ISIT 335	Cloud Security	ISIT 225	3
ISIT 345	Cloud System Administrator	ISIT 225 & CMPS 315	3

For students enrolled in Bachelor of Science in Information Technology:

Course Listing
Core Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 315	Operating Systems	CMPS 122	3
ISIT 325	Cloud Data Storage	ISIT 225	3
ISIT 328	Data Warehouse Design	CMPS 318	3
ISIT 335	Cloud Security	ISIT 225	3
ISIT 340	Business Intelligence		3
ISIT 345	Cloud System Administrator	ISIT 225 & CMPS 315	3

For students enrolled in Bachelor of Science in Software Engineering:

Course Listing
Core Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 225	Cloud Computing		3
CMPS 315	Operating Systems	CMPS 122	3
ISIT 325	Cloud Data Storage	ISIT 225	3
ISIT 335	Cloud Security	ISIT 225	3
ISIT 340	Business Intelligence		3
ISIT 345	Cloud System Administrator	ISIT 225 & CMPS 315	3

MINOR IN INFORMATION SCIENCE

Minor Requirements: 18 Credits (6 courses) A minimum grade of C required for all courses including the prerequisites.

For students enrolled in any program outside of Information Sciences:

Course Listing
Core Requirements: 6 Credits (2 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 122	Introduction to Programming I		3
CMPS 226	Introduction to Data Science		3

For students enrolled in Bachelor of Science in Software Engineering:

Course Listing
Core Requirements: 3 Credits (1 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 226	Introduction to Data Science		3

Course Listing
Elective Requirements: select the courses from the list below as electives to fulfill the 18 credits requirement of the minor:

Course Code	Course Name	Pre-requisite	Credit
CMPS 230	Information Visualization	CMPS 122	3
CMPS 318	Data Management Systems		3
CMPS 426	Bioinformatics	MATH 110	3
CMPS 438	Exploratory Data Analytics	CMPS 226	3
CMPS 477	Image Processing	CMPS 230	3
CMPS 480	Big Data	CMPS 318	3
ISIT 328	Data Warehouse Design	CMPS 318	3
ISIT 360	Data Mining	CMPS 226	3

MINOR IN SOFTWARE ENGINEERING

Minor Requirements: 18 Credits (6 courses) A minimum grade of C required for all courses including the prerequisites.

For students enrolled in any program outside of Information Sciences:

Course Listing

Core Requirements: 15 Credits (5 courses)

Course Code	Course Name	Pre-requisite	Credit
CMPS 122	Introduction to Programming I		3
CMPS 222	Programming II	CMPS 122	3
ISIT 351	Software Engineering	CMPS 122	3
ISIT 353	Software User Interface Analysis and Design	CMPS 122	3
CMPS 324	Software Design and Implementation with Object-Oriented	CMPS 222	3

Elective Requirement: 3 Credits (1 course) Choose 1 from electives below:

Course Code	Course Name	Pre-requisite	Credit
ISIT 248	Mobile Development	CMPS 122	3
ISIT 350	Advanced Web Application Design	CMPS 122	3
ISIT 355	Advanced Mobile Application Development	CMPS 222	3

For students enrolled in Bachelor of Science in Information Technology:

Course Listing

Core Requirements: 18 Credits (6 courses)

Course Code	Course Name	Pre-requisite	Credit
ISIT 351	Software Engineering	CMPS 122	3
ISIT 353	Software User Interface Analysis and Design	CMPS 122	3
CMPS 324	Software Design and Implementation with Object-Oriented	CMPS 222	3
ISIT 248	Mobile Development	CMPS 122	3
ISIT 350	Advanced Web Application Design	CMPS 122	3
ISIT 355	Advanced Mobile Application Development	CMPS 222	3

SOCI 170 FUNDAMENTALS OF CRIMINOLOGY

Catalog Page Reference: NA

Effective Date: January 1, 2026

Summary of Changes: New course added to the catalog

Change

SOCI 170: FUNDAMENTALS OF CRIMINOLOGY (3 CREDITS)

This course provides an introduction to the field of criminology, exploring the nature, causes, and consequences of crime in society. Students will examine key criminological theories, research methods, and the role of social institutions in shaping criminal behavior. Topics include crime typologies, the criminal justice system, and contemporary issues in crime prevention and policy. Through critical analysis and discussion, students will develop a deeper understanding of the complexities of crime and justice in modern society.

ATTENDANCE POLICY

Catalog Page Reference: 34
Effective Date: January 1, 2026
Summary of Changes: Revised maximum number of unexcused absences

Change

Wording changes are in RED

Good academic standing requires the presence of students at all class and lab meetings. Therefore, course attendance at Bay Atlantic University is **mandatory**.

Attendance may be recorded in a variety of ways, such as (but not limited to) student self-sign in on an attendance sheet, faculty records those in attendance at the start of class, etc. Students must be physically present in class to be recorded as present, otherwise the student will be recorded as absent. Under no circumstances may a student sign the attendance sheet for another student. Violating this policy is a breach of integrity by both students (the student signing in and the student not present). Consequences for violating this policy for both students will be:

- First offense: an unexcused absence for the day on which the sign-in occurred.
- Second offense: failing the class for which the sign-in occurred.
- More than two offenses may face expulsion from BAU, and notification will be sent to SEVIS (for international students with an I20) for violating academic integrity expectations.

The violation of integrity offense will become part of the student's official record.

Students are strongly advised to e-mail instructors regarding absences prior to the class session to be missed. If prior contact is not possible, the student must contact each instructor and arrange to make up work immediately upon returning to the University. All make-up work is assigned by the instructor(s). Instructors are not obligated to provide make-up work for unexcused absences.

Unexcused absences may negatively affect the student's final course grade. Unexcused absences more than 20% (3 days of a single class during a fifteen-week semester) of total class and/or lab time may result in failure of the course (AV on transcript).

Faculty are required to record attendance records in MyBAU (the Student Information System). Attendance is taken and accumulated for each class separately from one another. After an F-1 student misses three classes of a given course, the F-1 Visa student will receive a warning. If the F-1 Visa student receives a fourth unexcused absence the F-1 visa student may fail (noted as AV on transcript) the course and be considered out of status which may result in removal from the University.

As an F-1 student, you must ensure that your attendance is accounted for. You must check your attendance in MyBAU and/or communicate with your instructor if you are unsure whether your attendance was recorded accurately. For students on F-1 status, there are only three acceptable reasons

for absence from class or lab: (1) serious illness of the student, (2) a family emergency, or (3) any legal obligation that occurs at the same time as class. Non-emergency appointments and non-emergency travel do not count as excused absences. In cases of illness, the student must submit a doctor's or clinic note explaining the reason for the absence to the Registrar.

The doctor or clinic note excusing the student is subject to verification. Falsifying medical notes is a breach of integrity. Consistent with the University's expectations on academic integrity and student conduct, students who falsify medical notes will fail all classes for which the note is falsified.

The violation of integrity offense will become part of the student's official record. Students who continue to falsify medical notes will face expulsion from the University and notification will be sent to SEVIS (for international students with an I20) for violating academic integrity expectations.

Once proper documentation is provided and verified, the registrar will mark the student's absence(s) as excused. Explanations for excused absences must be received no later than one week after the last missed class. However, exceptions can be made by the instructor for prolonged emergencies when a student does not have the means or opportunity to inform the University of the situation.

LOCKDOWN SOFTWARE

Catalog Page Reference: 43
Effective Date: January 1, 2026
Summary of Changes: new language

Change

Bay Atlantic University utilizes LockDown Browser and Respondus Monitor to ensure the integrity and security of computer-based assessments. LockDown Browser prevents students from printing, copying, visiting other websites, or accessing unauthorized applications during an exam, while Respondus Monitor uses a webcam and AI-based analysis to verify identity and monitor testing sessions. Exams can only be taken on computers; tablets and mobile devices are not permitted because the webcam must remain on for the duration of the exam. The use of these tools is mandatory. Students cannot opt out, and failure to provide the required acknowledgment or consent may result in a zero on the exam or quiz. These measures uphold academic standards and protect a fair testing environment for all learners.

Catalog Page Reference: 93

Effective Date: January 1, 2026

Summary of Changes: add course to electives

Change

CMPS 625: Cloud Security has been added as an elective.

Electives: 15 credits (students must choose 5 courses)

Course Code	Course Name	Pre-requisites	Credit
BGDA 501	Introduction to Big Data		3
BGDA 510	Data Mining	CMPS 514	3
BGDA 511	Big Data Analytics	CMPS 514	3
BGDA 513	Artificial Intelligence	BGDA 511	3
BGDA 521	Technology Management		3
CMPS 517	Computer Forensics	CMPS 514	3
CMPS 520	Database Design Concepts		3
CMPS 524	Computer Networks and Mobile Communications	CMPS 514	3
CMPS 525	Cloud Computing and Infrastructure		3
CMPS 530	Machine Learning and Pattern Recognition	BDGA 522 or CMPS 516	3
CMPS 618	Penetration Testing	CMPS 564	3
CMPS 623	Web Application Security	CMPS 564	3
CMPS 625	Cloud Security	CMPS 525	3
CMPS 627	Wireless Sensor Network	CMPS 524	3

ISIT 225 CLOUD COMPUTING

Catalog Page Reference: 113

Effective Date: January 1, 2026

Summary of Changes: change course description

Change

The course examines various Application Programming Interfaces used in Amazon and Microsoft Cloud Computing, including the techniques for building, deploying, and maintaining machine images and applications. Students will learn how to use Cloud Computing as the infrastructure for existing and new services. This course will use open-source implementations of highly available clustering computational environments. Students will also learn how to address non-trivial issues in Cloud Computing, such as load balancing, caching, distributed transactions, and identity and authorization management, hosted on Windows and Linux operating systems.

ISIT 355 ADVANCED MOBILE APPLICATION DEVELOPMENT

Catalog Page Reference: 115
Effective Date: January 1, 2026
Summary of Changes: change course description

Change

This course covers advanced techniques in mobile applications with increasingly powerful mobile devices. Students will learn to develop applications that can run on browsers with web-enabled capabilities, compatible with the majority of mobile devices. This course will focus on modern trends, teaching students the unique design and deployment. Students will also address digital and ethical issues that must be considered when developing applications for mobile devices.

ISIT 370 AGILE PROJECT MANAGEMENT

Catalog Page Reference: 116

Effective Date: January 1, 2026

Summary of Changes: change course description

Change

This course covers an introduction to agile project management, including fundamental principles, frameworks, and practices of software project development. Students will learn iterative and incremental methods of development, emphasizing collaboration and adaptability. This course provides hands-on experiences via team-based projects focusing on planning, executing, and delivering software using Agile methodologies.