

---

**COMPUTER SCIENCE (SECURE COMPUTING AND INFORMATION SYSTEMS) (TRANSFER)**


---

**PROGRAM OVERVIEW**


---

James House Jr., *Department Chair*  
 jhouse@allegany.edu  
 Technology 226  
 301-784-5308

If a student wishes to earn an associate's degree from Allegany College of Maryland and then transfer to a four-year college to earn a bachelor's degree in computer science, this program of study will provide an appropriate preparation for such transfer. It must be noted that different colleges may require different coursework. Students should work closely with their advisor and a staff member in the Advising Center to alter this program to meet the specific transfer requirements of the particular four-year institution. The Advising Center staff is also equipped to work with students to help them make a decision regarding the selection of the four-year institution.

Successful completion of this program qualifies a student to apply for an Associate of Science degree in Computer Science.

**COURSE REQUIREMENTS**


---

**REQUIRED COMPUTER TECHNOLOGY COURSES**


---

COMP-101	Computer Literacy
COMP-103	Computer Logic
COMP-107	Introduction to Cybersecurity
COMP-201	Security +
COMP-202	Digital Forensics
COMP-216	Cyber Law (Criminal Justice 216)
COMP-234	Computer Science Programming I
COMP-238	Computer Science Programming II
COMP-289	Security+ Certification Exam Review

---

**REQUIRED GENERAL COURSES**


---

ART-101 or	Art Appreciation or
MUS-112	Music Appreciation
ENG-101	English Composition I
MATH-109	Probability and Statistics
MATH-200	Calculus for Applications
SPCH-101	Speech Communication

---

**REQUIRED ELECTIVE COURSES**


---

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

**Humanities Elective - 3 credits**

**Laboratory Science Electives - 8 credits**

**Social and Behavioral Science Electives - 6 credits**

**PROGRAM PATH**


---

**COMPUTER SCIENCE  
 SECURE COMPUTING AND INFORMATION SYSTEMS  
 PREPARATION FOR TRANSFER**

**FIRST SEMESTER**

	<u>Credit Hours</u>
Computer Technology 101 (Computer Literacy)	3
Computer Technology 103 (Computer Logic)	4
Computer Technology 107 (Introduction to Cybersecurity)	3
English 101 (English Composition I)	3
Mathematics 109 (Probability and Statistics)	3
Total:	16

**SECOND SEMESTER**

Art 101 or Music 112 (Art Appreciation or Music Appreciation)	3
Computer Technology 201 (Security +)	3
Laboratory Science Elective	4
Mathematics 200 (Calculus for Applications)	3
Social and Behavioral Science Elective	3
Total:	16

**THIRD SEMESTER**

Computer Technology 234 (Computer Science Programming I)	4
Humanities Elective	3
Laboratory Science Elective	4
Social and Behavioral Science Elective	3
Total:	14

**FOURTH SEMESTER**

Computer Technology 202 (Digital Forensics)	3
Computer Technology 216 (Cyber Law)	3
Computer Technology 238 (Computer Science Programming II)	4
Computer Technology 289 (Security + Certification Exam Review)	1
Speech 101 (Speech Communication)	3
Total:	14
<b>Total Credit Hours:</b>	<b>60</b>

*\*NOTE: With a student's focus in computer science, many four-year institutions recommend specific electives and general education courses be taken to meet the requirements at that institution. Students are encouraged to work closely with their transfer advisor or transferring institution in order to meet these specific requirements.*

*NOTE: All courses specifically identified by course number are graduation requirements for this program.*