

**Program Completion Guide**  
**CIP Code – 11.0101**  
**Computer Information Systems - CIS**  
**Associate in Applied Science (AAS Degree)**  
**2023-2024**

**Area I: Written Composition (6 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ENG101		
ENG102		

**Area II: Humanities and Fine Arts (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ART100, ENG251, ENG252, ENG261, ENG262, ENG271, ENG272, MUS101, PHL206, REL100, REL151, REL152, SPH107		

**Area III: Natural Science and Mathematics (10 Semester Hours Total)**

**Note:** CIS146, MTH112 or higher, and one 4 hour science course are required.

Courses	Courses Taken	Hours Earned
CIS146		
MTH112 or Higher		
MTH112, MTH113, MTH115, MTH120, MTH125, MTH126, MTH227		
BIO103, BIO104, CHM111, CHM112, PHS111, PHS112, PHY201, PHY202		

**Area IV: History, Social, and Behavioral Sciences (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ECO231, ECO232, HIS121, HIS122, HIS201, HIS202, PSY200, PSY210		

**Area V: Pre-Professional, Major, and Elective Courses (47 Semester Hours Total)**

Courses	Credit Hours	Courses Taken	Hours Earned
<b>Major Core Concentration (27 Semester Hours)</b>			
CIS149 - Introduction to Computers	3		
CIS150 - Introduction to Computer Logic and Programming or CIS157 - Introduction to App Development with Swift	3		
CIS207 - Web Development	3		
CIS249 - Microcomputer Operating Systems	3		
CIS251 - C++ Programming	3		
CIS268 - Software Support	3		
CIS269 - Hardware Support	3		
CIS270 - Cisco CCNA I	3		
CIS281 - Systems Analysis and Design	3		
<b>Elective Courses (18 Semester Hours)</b>			
ACT201 – Entrepreneurism	3		
CIS134 – IT Fundamentals	3		



CIS256 - Advanced Java	3		
CIS296 - Special Topics	3		
CIS294 - Special Topics	3		
CIS215 - C+ Programming	3		
CIS171 - Linux I	3		
CIS172 - Linux II	3		
CIS212 - Visual Basic Programming	3		
CIS220 - App Development with Swift I	3		
CIS227 - App Development with Swift II	3		
CIS199 - Network Communications	3		
CIS245 - Cyber Defense	3		
CIS246 - Ethical Hacking	3		
CIS252 - Advanced C++ Programming	3		
CIS196 - Commercial Software Applications	3		
CIS272 - Cisco CCNA III	3		
CIS273 - Cisco CCNA IV	3		
CIS213 - Advanced Visual Basic Programming	3		
CIS208 - Web Authoring Software	3		
CIS255 - Java Programming	3		
CIS282 - Computer Forensics	3		
CIS271 - Cisco CCNA II	3		
CIS276 - Server Administration	3		
CIS280 - Network Security	3		
CIS277 - Network Services Administration	3		
CIS209 - Advanced Web Development	3		
CIS197 - Advanced Commercial Software Applications	3		
CIS284 - CIS Internship	3		
CIS185 - Computer Ethics	3		
CIS222 - Database Management Systems	3		
CIS147 - Advanced Micro Applications	3		
CIS151 - Graphics for the World Wide Web	3		
CIS287 - SQL Server	3		
CIS189 - CO-OP for CIS I	3		
CIS203 - Introduction to the Information Highway	3		
CIS244 - Introduction to Cyber	3		
SYS101 - Introduction to Systems Engineering	3		
<b>Institutional Requirements (2 Semester Hours)</b>			
ORI101			
Take in the first semester unless student has 12 transfer credit hours			
BSS220			
Take in last semester of program			

***In Area I through Area IV, transfer credits are accepted in accordance to ACCS policy.***

For additional courses see [http://stars.troy.edu/approved\\_courses.html](http://stars.troy.edu/approved_courses.html)

**Total Semester Hours Required for Degree: 69**

<b>Student Name:</b>	<b>Signature of Advisor:</b>
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<b>Student Number:</b>	<b>Date of Advising:</b>
<b>Total Credit Hours Earned:</b>	<b>Date Audited by Admissions:</b>