

COMPUTER & INFORMATION SCIENCE

ASSOCIATE OF APPLIED SCIENCE DEGREE



The Associate of Applied Science Degree in Computer and Information Science prepares graduates for entry-level positions in a variety of technical fields. The students will acquire technical and soft skills needed in today's information technology workplace.

Program Objectives:

Upon completion of this program, the graduate will be able to:

1. demonstrate computer literacy to function in a business environment using office productivity software.
2. classify, install, and apply maintenance strategies of hardware components.
3. apply basic business management principles.
4. characterize stages of the Software Development Life Cycle (SDLC).
5. demonstrate the fundamentals of logical problem solving, decision making, and quantitative skills.
6. apply procedural and objective-oriented programming techniques.
7. apply troubleshooting strategies and techniques (including research tools) to resolve hardware and software challenges.
8. apply the concepts of database management systems.
9. describe various network operating systems and network components.
10. create and maintain basic standards-compliant web pages using web programming languages and design tools.
11. form articulated opinions arising from new technologies currently flooding the IT market.
12. describe essential security processes.

Admission Requirements:

All candidates for admission must pass the College's entrance examination requirements. Each candidate for admission is considered individually on merit and potential.

Graduation Requirements:

A grade of "C" or better must be achieved in all courses in order to be eligible to graduate. The department assessment process must be satisfactorily completed.

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Major:		Quarter Hours:
ACC101	Financial Accounting I	4
BUS204	Principles of Management	4
CIS113	Introduction to Programming	4
CIS114	Computer Usage and Software Applications	4
CIS118	Database Applications	4
CIS120	Web Design	4
CIS126	Information Technology Research and Analysis	4
CIS131	Technical Support I	4
CIS141	Technical Support II	4
CIS155	Java Programming	4
CIS181	Windows Desktop Administration	4
CIS202	Systems Analysis and Design	4
CIS218	Network Communications	4
CIS227	Information Security Fundamentals	4
Total Hours		56

General Education:		Quarter Hours:
ECO144	Introduction to Macroeconomics	4
ENG109	Principles of Speech	4
	-or-	4
ENG120	Interpersonal Communications	4
ENG116	Composition	4
ENG117	Advanced Composition	4
HUM110	Human Potential	4
HUM201	Professional Development	4
MAT140	College Algebra	4
PSY140	Introduction to Psychology	4
	-or-	4
SOC100	Introduction to Sociology	4
Total Hours		32

CIS Elective:		Quarter Hours:
CIS Elective		4
Elective must be CIS119 or higher except for CIS123		
Total Hours		4

Total Hours Required for Degree **92**

Gainful Employment Disclosure: Computer and Information Science, Associate of Applied Science Degree

Important information about the educational debt, earnings, and completion rates of students who attended this program:
<https://www.midstate.edu/programs/disclosures/CIS2>