

Computer Technology Associate in Applied Science

Mission Statement

The Associate of Applied Science Computer Technology degree program prepares students for entry-level computer technology positions. Emphasis throughout the program's duration is placed on effective computer and communication skills.

Entrance Requirements:

Acceptable ASSET or COMPASS score

Type of Program:

Day, night or online

Type of Degree:

Associate degree

Employment Opportunities:

Insurance companies, hospitals, manufacturing firms, software development companies, other business and industry

- The Programming concentration trains students to plan, design and develop computer systems and programs using varied programming languages and databases with state-of-the-art equipment.
- The Network Systems Administration concentration provides students with the knowledge and skills to prepare for occupations in the field of desktop support and local area network administration. Students learn how to install, configure and maintain networking hardware including servers, workstations, switches, routers and firewalls.
- The Information Management & Systems concentration provides a 2+2 opportunity for students to earn a B.A. in Information Management & Systems at USC Upstate in the Department of Informatics.
- The Computer Information Systems concentration provides a 2+2 opportunity for students to earn a B.A. in Computer Information Systems at USC Upstate in the Department of Mathematics and Computer Science.
- Requires a minimum grade of "C" in all CPT and IST courses.
- Transfer credit for CPT 101 will only be allowed if completed within the last five years. Validation of skills by exemption exam (at a cost assessed by the college) is required for credits earned more than five years past.
- To graduate with an associate degree, candidates must meet the computer competency requirement by taking CPT 101 (EGR 130 may be substituted with departmental approval) or by passing the exemption exam at a cost to be assessed by the college.
- The Programming and Network Systems Administration concentrations are accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Programming Concentration:

Recommended Program Schedule

First Semester

CPT 101	Introduction to Computers	3.0
CPT 113	Information Systems	3.0
ENG 101	English Composition I*	3.0
	or	
ENG 102	English Composition II*	
	College Transfer-Level Math **/**	3.0

Second Semester

CPT 257	Operating Systems	3.0
CPT 187	Object-Oriented Logic & Design	3.0
CPT 186	Visual Basic.Net I	3.0
IST 227	Internet Operations & Management	3.0

IST 237 Intermediate Website Design 3.0

Third Semester

IST 238 Advanced Tools for Website Design 3.0
IST 272 Relational Database 3.0
CPT 236 Introduction to Java Programming 3.0
CPT 286 Visual Basic.Net II 3.0

Fourth Semester

IST 278 Database Programming 3.0
SPC 205 Public Speaking* 3.0
CPT 239 Active Server Pages 3.0
CPT 237 Advanced Java Programming 3.0

Fifth Semester

CPT 264 Systems and Procedures 3.0
CPT 238 Internet Scripting 3.0
IST 239 DHTML and JavaScript 3.0
IST 240 Multimedia for the Web 3.0

Sixth Semester

CPT 275 Computer Tech Senior Project 3.0
CPT 209 Computer Systems Management 3.0
Humanities/Fine Arts Elective* 3.0
Social Science Elective* 3.0

Total credit hours 75.0

* General Education course

** Three credit hours of college transfer-level math from the following:

MAT 109 College Algebra with Modeling 3.0
MAT 110 College Algebra 3.0
MAT 122 Finite College Mathematics 3.0
MAT 130 Elementary Calculus 3.0
MAT 132 Discrete Mathematics 3.0
MAT 140 Analytical Geometry & Calculus I 3.0

**Social Science and Humanities/Fine Arts Electives. See advisor for approved list of courses, as documented with curriculum road maps.

- A current SLED background check is required.
- Completion of other training and orientation activities are required by students who intern in a hospital setting.
- Credits earned in AOT programs are accepted for five years. Credits earned prior to the five-year period must be retaken or may be validated by successful completion of a higher-level course if available.

Recommended Program Schedule

First Semester

MGT 101 Principles of Management 3.0
MKT 130 Customer Service Principles 3.0
AOT 167 Information Processing Applications 3.0
AOT 270 SCWE in Administrative Office 3.0
Technology

Total credit hours 12.0