

# Computer Technology

## Associate in Computer Technology

**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).

# USC Upstate Transfer – Computer Information Systems concentration:

A transfer agreement with the University of South Carolina Upstate enables a student to earn a degree from Greenville Tech as part of course work toward a B.A. degree in Computer Information Systems. The program with USC-Upstate and Greenville Tech, provides rigorous instruction in not only computer programming, but also in many important areas such as systems analysis and design, web technologies, database, networking, and information security. With a strong core of supporting courses in business administration, graduates are well prepared to work in a variety of environments. Students with interest in computer and information technology related areas should consider this degree. The degree also offers an opportunity for adults already working in the computer technology field to update skills, continue their education and expand career opportunities.

## Recommended Program Schedule

### *First Semester*

CPT 101	Introduction to Computers*/\$	3.0
	University Transferable	4.0
	Science (1 of 2)#/*	
ENG 101	English Composition I*	3.0
MAT 110	College Algebra*	3.0

### *Second Semester*

CPT 257	Operating Systems	3.0
CPT 234	C Programming I†	3.0
ENG 102	English Composition II*	3.0
	University Transferable	4.0
	Science (2 of 2)#/*	

### *Third Semester*

HIS 102	Western Civilization Post 1689*	3.0
	or	
HIS 112	Nonwestern Civilizations*	
SPC 205	Public Speaking*	3.0
MAT 120	Probability & Statistics*	3.0
CPT 186	Visual Basic.Net I^	3.0

### *Fourth Semester*

SPA 101	Elementary Spanish I*/†	4.0
	or	
FRE 101	Elementary French I*	
	or	
GER 101	Elementary German I*	
ECO 210	Macroeconomics*	3.0

	or		
ECO	211	Microeconomics*	
IST	272	Relational Database	3.0
MAT	220	Advanced Statistics*	3.0

***Fifth Semester***

SPA	102	Elementary Spanish II*	4.0
	or		
FRE	102	Elementary French II*	
	or		
GER	102	Elementary German II*	
IST	278	Database Programming\$	3.0
CPT	236	Introduction to JAVA	3.0
CPT	286	Visual Basic.Net II	3.0

***Sixth Semester***

PSY	201	General Psychology*	3.0
	or		
SOC	101	Introduction to Sociology*	
ART	101	Art History & Appreciation*	3.0
	or		
MUS	105	Music Appreciation*	
	or		
THE	101	Introduction to Theatre*	
CPT	237	Advanced Java Programming	3.0
CPT	264	Systems and Procedures	3.0

**Total credit hours** **76.0**

\*General Education course

#Choose science course from Astronomy, Biology, Chemistry or Physics. Course must be transferable to a four-year college or university.

^Transfers as an elective

†Will not transfer to USC Upstate as part of this transfer agreement.