



**Program of Study**  
**Career Field: Communication and Information Systems**  
**Career Cluster: Information Technology**  
**Career Pathway: Web and Digital Communications**



**Southeast Community College**

DEGREE:  
 Computer Information Technology- Web Applications Programmer  
<http://www.southeast.edu/programs/CIT/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
<b>HIGH SCHOOL</b>	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages & Cultures Physical Education Health Education Entrepreneurship Database Design & Development Desktop Publishing Information Technology Fundamentals Network Systems	Information Technology App. I Information Technology App. II  <i>Plus two from the following:</i> Information Technology App. III Digital Media Web Design & Development Programming I	<i>School Activities:</i> Develop web pages, FBLA, Prepare school multimedia, SkillsUSA, Student Technology Aide  <i>Community Activities:</i> Create a community web site, Volunteer in the community, Set up computers and install software, Job shadow professionals, Part-time employment within career cluster			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics or other science course	American Government or Economics						
<b>SOUTHEAST COMMUNITY COLLEGE</b>		<b>COMMUNICATIONS</b>	<b>MATH/SCIENCE</b>	<b>SOCIAL SCI/HUMANITIES</b>	<b>CORE COURSES</b>			<b>FOCUS COURSES</b>			
	13 and 14	Public Speaking	Business Mathematics	Interpersonal Relations	Microsoft Word & Powerpoint	Microsoft Excel	Computer Fundamentals	Linux Operating System	Java	Advanced Java	Internet Scripting
		Business Communications		Introduction to Philosophy	Windows Operating Systems	Microsoft Access	Program Design & Problem Solving	Workplace Communications Skills	Advanced Database Concepts	Web Layout	Web Server Scripting
					Database Concepts	Data Communications & Networking	TCP/IP	CIT Practicum	Java Server Programming	Visual Basic	Team Programming Design
					Web Page Fundamentals	Advanced Window Operating System	Network Security Fundamentals	Principles of Management	Team Program Implementation	Programmer Portfolio Development	Hardware Installation and Maintenance