



Program of Study
Career Field: Communication and Information Systems
Career Cluster: Information Technology
Career Pathway: Programming and Software Development



Southeast Community College

DEGREE:
 Computer Programming Technology
<http://www.southeast.edu/programs/CompPro/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages & Cultures Physical Education Health Education Entrepreneurship Digital Media Information Technology Fundamentals Network Systems	Information Technology App. I Information Technology App. II Programming I <i>Plus one from the following:</i> Programming II Programming III Database Design & Development Web Design & Development	<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						
SOUTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH/SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	CORE COURSES		FOCUS COURSES			
	13 and 14	Public Speaking	Business Mathematics	Personal Finance		Logic and Design	Microsoft Windows and Office Suite	Computer Fundamentals	Database Management	Introduction to MVS Environment	Operating Systems
						Java	Internet Scripting	Introduction to IBMi	Advanced Java	COBOL	Web Page Fundamentals
						RPG IV	Java Server Programming	Advanced COBOL	Customer Info Control System Programming	System Analysis & Design	Visual Basic
						Networking Concepts	Applied Business Solutions	Advanced Visual Basic	DB2 Database Applications & SQL	Career Development	