

COLLEGE: **Central Piedmont Community College**
HIGH SCHOOL(S): **Phillip O. Berry Academy of Technology**

CLUSTER: **Information Technology**
PATHWAY: **Programming/Software Engineering**
PROGRAM: **Computer Programming**

ADULT LEARNER ENTRY POINTS

		GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED COURSES RECOMMENDED ELECTIVE COURSES OTHER ELECTIVE COURSES CAREER AND TECHNICAL EDUCATION COURSES		
9th grade entrance criteria (starting with rising 9th - '05-'06): EOG Math and EOG Reading Level III or better, pass both written and performanceComputer Competency test									
SECONDARY	9	English I (Adv or AG)	Algebra I or Geometry (Adv., AG) or Algebra II (Adv., AG) or Pre-Calculus	Active Physics or Biology (Adv. & AG)	World History (Adv, AG)	Health / PE	Career Academy Requirement: Computer Programming I	Recommended Elective: Comp. Engineering Tech I (possible ♦	Elective: Choice
	PSAT offered to assess college readiness. Students eligible to sit for A+ hardware exam upon comp of CET I								
	10	English II (Adv or AG)	Geometry OR Algebra II (Adv.) OR Pre-Calculus OR Calculus AB AP	Biology (Adv, AG) or Chemistry (Adv, AG) or Earth/Environmental Science	Economic, Legal, and Political Systems (Adv & AG)	Second Lang I	Academy Requirement: Computer Programming* II H	Recommended Elective: Comp. Engineering Tech II Honors (possible ♦	Elective: Choice
	PSAT offered to assess college readiness. Students eligible to sit for A+ operating systems exam upon comp of CET II (Fully A+ certified)								
	11	English III (Adv, Pacesetter, AG or AP)	Algebra II (Adv., AG) Calculus AB AP, OR Calculus BC AP	Chemistry (Adv, AG) Physics (Adv, AG, AP) or Environmental Science	US History (Adv, AG, AP)	Recommended elective: Second Lang II	Academy Requirement: Database Concepts & Applications ♦	Academy Requirement: Database Applications ♦	Elective: Choice
	PSAT offered to assess college readiness. Students eligible to sit for CCNA certification exam upon comp of Net Eng III Honors.								
12	English IV (Adv, Pacesetter, AG or AP)	Advanced Math	Additional Science or Social Studies	Elective: Choice	Academy Requirement: Advanced Studies	Academy Requirement: Business Internship	Academy Requirement: A.P. Computer Science or JAVA programming ♦	Internet Protocols ♦	
Students take SAT and Accuplacer tests									
POSTSECONDARY	Year 1 1st Semester	ENG111 Expository Writing (3)	MAT Mathematics Elective (3) [From Pick List] {Possible ■}			Technical Elective (3) [From Pick List - ITN150 Internet Protocols] ♦	CIS110 Intro to Computers (3) ●	CIS130 Survey of Operating Systems (3)	CIS115 Introduction to Programming (3) ●
	Year 1 2nd Semester	ENG(112 or 113 or 114) Research (3)				BUS110 Intro to Business (3) or ACC120 Prin of Financial Accounting (4)	CSC134 C+ (3) ■	CSC143 Object-Oriented Programming (3)	Net110 Data Communication/Net working (3) {Possible ♦}
	Year 1 3rd Semester	COM110 Intro to Communications ■				CIS152 Database Concepts (3) ♦	Technical Elective (3) [From Pick List - CIS153 Database Applications] ♦		
	Year 2 1st Semester				Humanities & Fine Arts Elective (3) [From Pick List]	CSC148 Java (3) {Possible ■ or ♦ }	CIS286 Systems Analysis and Design (3)	CSC234 Advanced C+ (3) ■	



Year 2 2nd Semester				Self & Society Elective (3) [From Pick List]	CSC285 Programming Project or CIS288 System Project (3)	CSC248 Advanced Internet Programming (3) ■	Technical Elective (3) [From Pick List]	
Year 2 3rd Semester								



CCTI

College and Career Transitions Initiative

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Required Courses
Recommended Elective Courses: Career Academy Electives: Principles of Business, Small Business/Entrepreneurship, Programming I, II, Related College Experience Courses. Strongly Recommended Electives: Second Language II,III, Advanced Math and Advanced Science
Career and Technical Education Courses
Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2 (◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)
Mandatory Assessments, Advising, and Additional Preparation

Rev: Jan. 2005