

Cluster – Information Technology
Pathway – Network Systems
Program of Study – Computer Engineering

Sample Plan of Study

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Smart Core	English I or Pre-AP	English II or Pre-AP	English III or AP	English IV or AP
	Algebra I or Geometry	Geometry or Algebra II	Algebra II or Trigonometry Pre- AP Calculus	AP Calculus College Algebra AP Statistics
	Physical Science	Biology Pre-AP Chemistry Applied Biology/Chemistry	Chemistry Physics Principles of Technology	AP Biology AP Chemistry AP Physics Earth & Space Science
	Civics	World History	US History	Economics
Foundation Courses Career Orientation Computer Technology Keyboarding Graduation Requirements English 4 units Math 4 units Science 3 units Social Studies 3 units Fine Arts ½ unit Health and Safety ½ unit Oral Communication ½ unit Physical Education ½ unit Career Focus 6 units Arkansas Challenge Foreign Language 2 units		Program of Study Support Courses EAST/Workforce Technology Internship Workplace Readiness Support Courses Foreign Language Word Processing or Computer Business Applications (CBA) Extended Learning Opportunities SkillsUSA Job Shadowing		Computer Engineering Core Courses Diagnostics Computer Engineering Electives Operations Networking Computer Engineering Industry Certifications A+ Net + Cisco CCENT Cisco CCNA Related Programs of Study Electronics
Postsecondary Opportunities				
Major	Postsecondary School		Certificate/Degree Program	
Computer Information Systems	NPCC Hot Springs OTC Malvern UACC Morrilton ASU Newport & Beebe		Certificate and Associate's	
Computer & Information Manager	PTC North Little Rock		Certificate	
CIS Networking	UACC Batesville		Certificate	
Computer & Information Science	SAU Magnolia, UA Little Rock		Master's	
Information Technology	UACC Hope MSCC West Memphis UA Fort Smith NAC Harrison ASU Mountain Home RMCC Mena		Certificate and Associate's	
Information Technology	ATU Russellville EACC Forrest City MSCC West Memphis		Associate's, Bachelor's and Master's	
Microcomputer Maintenance/Repair	EACC Forrest City		Certificate	
Microcomputer Repair	PCCUA Helena		Certificate, Associate's	
Microcomputer Repair Technician	BRTC Pocahontas		Certificate	
Microcomputer Networking	MSCC West Memphis		Certificate	
Microelectronics-Photonics	UA Fayetteville		Master's, Doctoral	
Management Information Systems	ASU Jonesboro		Bachelor's	
Applied Computing	UCA Conway		Master's	

Computer Network Technology	ASU Newport & Beebe, SAUT Camden SEAC Pine Bluff, SAUT Camden	Certificate Associate's
Microcomputer Systems Administration	EACC Forrest City	Certificate
Microcomputer Applications	CCCUA DeQueen	Certificate
Microcomputer Business Applications	BRTC Pochahontas ASU Beebe	Certificate, Associates Associate's
Computer & Networking Fundament	ASU Beebe	Certificate
Computer Networking	UA Ft. Smith	Certificate
Network Administration	RMCC Mena	Associate's
Computer Forensics	RMCC Mena	Certificate
Electronics and Computer Engineering Technology	UA Little Rock	Bachelor's
PC Maintenance and Repair	SEAC Pine Bluff	Certificate
Microcomputer Technician	RMCC Mena	Associate's
Electronic Technology	SAUT Camden	Associate's
Electromechanical Technology	NAC Harrison, PTC North Little Rock, SEAC Pine Bluff	Certificate & Associate's
Computer and Network Installation and Repair Technology	SACC El Dorado	Certificate
Computer Maintenance	UA Fort Smith	Certificate
CISCO	NPCC Hot Springs	Certificate
CISCO Certified Network Associate	CCCUA DeQueen, UA Monticello	Certificate
CISCO Internet Working	UA Ft. Smith	Certificate
CISCO Network Associate	UA Monticello	Certificate
CISCO Networking	ASU Mtn. Home, SAUT Camden, UA Monticello	Certificate
CISCO Networking Academy	UA Monticello	Certificate
Computer & Network Installation	SACC El Dorado	Certificate
Computer Numerical Control	UA Ft. Smith, MSCC West Memphis	Certificate
Computer Technology	PCCUA Helena	Certificate, Associate's
Database Administration	UA Ft. Smith	Certificate
Database Applications	RMCC Mena	Certificate
Linux Network Administration	UA Ft. Smith	Certificate
Linux/Unix	SAUT Camden	Certificate
Network Security	OTC Malvern	Certificate
Network Security Technology	SACC El Dorado	Certificate, Associate's
Networking	NWACC Bentonville UA Ft. Smith	Certificate Associate's
Networking Technology	SAUT Camden	Certificate