

COLLEGE: Montgomery College

HIGH SCHOOLS: Edison, Rockville

CLUSTER: Information Technology

MCPS PROGRAM: Network Operations (Foundation Program)

MC PROGRAM: Network and Wireless Technologies A.A.S.

The Network Operations career pathway program introduces students to broad career opportunities in today's digital workforce and, in the process, equips them with personal, analytical, technical, and communications skills needed to obtain industry standard certifications.

STUDENT ENTRY POINTS

GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED COURSES				
					RECOMMENDED ELECTIVE COURSES		OTHER ELECTIVE COURSES		
CAREER AND TECHNICAL EDUCATION COURSES									
SECONDARY	9	English	Mathematics	Science	Social Studies	Foreign Language	Physical Education	Technology Education Credit	
	*Network Operations Electives are listed below.								
	10	English	Mathematics	Science	Social Studies	Foreign Language	Health (.5) Elective (.5)	Fine Arts	
	11	English	Mathematics	Science	Social Studies	♦ Network Operations A (1.5 credits) ♦ Network Operations B (1.5 credits) Triple Period			
	Appropriate certification exams must be passed to receive articulated credit.								
12	English	Mathematics	Science Elective	Social Studies Elective	*Choose one from: Microcomputer Technologies A/B, or Digital Electronics A/B, or ♦ Discovering Programming Concepts A/B, or ♦ Computer Programming 1A/B, or Web Site Development A/B, or Network Operations Guided Research, or Network Operations Internship				
Students can articulate up to 9 college tech prep credits for a tuition savings of \$1,228.									
POSTSECONDARY	Year 1 1st Semester	EN 101 Techniques of Reading & Writing	MA 180 Precalculus	HE 100 Principles of Healthy Living		EC 201 Principles of Economics I	NW 130 Network Cabling Technology	♦NW 127 Microcomputer Control Programs	♦NW 140 Microcomputer Configuration & Installation
	Year 1 2nd Semester	EN 102 Techniques of Reading & Writing				NW 150 Electronics for Wireless	NW 170 Networking Operating Systems	NW 101 Intro to Wireless Technologies	♦NW 151 Introduction to Networking
	Year 2 1st Semester			AS 101 Intro Astronomy	NW 274 Adv Wireless Communication	NW 229 Wireless Communication		NW 173 Network Security	
	Year 2 2nd Semester			NW 275 Wireless Security			NW 264 Network and Wireless Troubleshooting	AR 101 Intro to Drawing	SP 108 Intro to Human Communication

*Electives: Web Site Development, Discovering Programming Concepts, Computer Programming 1, Digital Electronics, Microcomputer Technologies-Computer Maintenance.
 Students who complete the MCPS program (courses in red) in high school do not have to repeat the courses in red at MC.



This MCPS CTE program is approved by the Maryland State Department of Education for graduates in 2012.

Required Courses
Recommended Elective Courses
Career and Technical Education Courses
Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses) (♦=High School to Com. College)(●=Com. College to 4-Yr Institution)