

Technology

Code	Course	Grade	Prerequisite
516100	Foundations of Technology A#	9-12	
516200	Foundations of Technology B#	9-12	Found of Tech A
515200	Introduction to Engineering Design A#	9-12	Algebra 1
515300	Introduction to Engineering Design B#	9-12	Intro to Eng Design A
515000	Principles of Engineering A#	10-12	Intro to Eng Design A/B
515100	Principles of Engineering B#	10-12	Principles of Engineering A
515600	Digital Electronics A	11-12	Principles of Engineering A/B
515700	Digital Electronics B	11-12	Digital Electronics A

#Satisfies the 1 credit minimum technology requirement for graduation for all grades.

Computer Science

Code	Course	Grade	Prerequisite
290300	Software Applications by Design A	9-12	
290400	Software Applications by Design B	9-12	Software Applications by Design A
299100	Web Design A**	10-12	Digital Art or Programming course
299200	Web Design B**	10-12	Web Design A
519500	Introduction to Simulation and Gaming A	9-12	Algebra 1
519600	Introduction to Simulation and Gaming B	9-12	Intro to Sim and Game A
421400	MicroComputer Tech-IT Essentials A**#	10-12	Algebra 1
421500	MicroComputer Tech-IT Essentials B** #	10-12	Microcomp Tech A
421800	Network Engineering and Mgmt A #	11,12	Microcomp Tech
421900	Network Engineering and Mgmt B #	11,12	Network Eng and Mgmt A
298900	Honors Computer Programming 1A*	9-12	Concurrent Honors Geometry or higher
299000	Honors Computer Programming 1B*	9-12	Honors Computer Programming 1A
290100	AP Computer Programming 2A**	10-12	Honors Computer Programming 1
290200	AP Computer Programming 2B**	10-12	AP Computer Programming 2A
296500	Computer Programming 3A**	11-12	AP Computer Programming 2
296600	Computer Programming 3B**	11-12	Computer Programming 3A
290710	Computer Science Intern A	12	AP Comp Science, Teacher App
290720	Computer Science Intern B	12	AP Comp Science, Teacher App
280000	Simulation & Gaming	11-12	Computer Programming 2, Digital Art
280100	Simulation & Gaming	11-12	Computer Programming 2, Digital Art

**May count towards a program completer in Advanced Technology.

Students enrolled in Cisco Academy courses are required to take the certification exams.

Leadership Classes

Code	Course	Grade	Prerequisite
233900	Student and Community Leadership A	11-12	Application Required
234000	Student and Community Leadership B	11-12	Application Required
233910	Student Government Leadership A	11-12	Grade level and whole school elected officers
234010	Student Government Leadership A	11-12	
782900	Superintendent's Leadership Program	12	Application Required
783000	Superintendent's Leadership Program	12	

<http://www.mcps.k12.md.us/curriculum/coursebulletin/>

Business Education

Code	Course	Grade	Prerequisite
411100	Accounting A**	10-12	
411200	Accounting B**	10-12	Accounting A

***May count towards a program completer in Advanced Technology.*

Family and Consumer Science**

Code	Course	Grade	Prerequisite
484300	Food Trends and Technology A	11-12	
484400	Food Trends and Technology B	11-12	Food Trends and Tech A
463000	Intern'l Culture & Cuisines A (ProStart 1)	10-12	Food Trends A & B Recommended
464000	Intern'l Culture & Cuisines B (ProStart 1)	10-12	Int'l Culture & Cuisines A
482500	Culinary Essentials A (ProStart 2)	10-12	Int'l Culture & Cuisines
482600	Culinary Essentials B (ProStart 2)	10-12	Culinary Essentials A
481600	Hospitality Management Internship	12	Culinary Essentials concurrent
484700	Child Development 1A	10-12	
484800	Child Development 1B	10-12	Child Dev 1A
485100	Child Development 1A (dbl)	11-12	
485200	Child Development 1B (dbl)	11-12	Child Dev 1A
484900	Child Development 2A	11-12	Child Dev 1
485000	Child Development 2B	11-12	Child Dev 2A
485300	Child Development 2A (dbl)	11-12	Child Dev 1
485400	Child Development 2B (dbl)	11-12	Child Dev 2A
486600	Child Development 3A	12	1 credit Child Dev/Teacher Approval
486700	Child Development 3B	12	Child Dev 3A
486000	Child Development Internship A	11-12	1 credit Child Development Teacher Approval May be taken unlimited times

College and Career Research and Development (CCRD)**

*Students who enroll in OJT must have completed CCRD prior to enrollment in OJT.
The CCRD/OJT program requires students to secure and maintain employment.*

Code	Course	Grade	Prerequisite
809200	College and Career Research and Development (CCRD) A	10-11	
809300	College and Career Research and Development B	10-11	CCRD A
543900	On-the-Job Training (OJT) A	11-12	CCRD A/B
544000	On-the-Job Training B	11-12	OJT A
544100	On-the-Job Training A (double period)	11-12	CCRD A/B
544200	On-the-Job Training B (double period)	11-12	OJT A
544300	On-the-Job Training A (triple period)	11-12	CCRD A/B
544400	On-the-Job Training B (triple period)	11-12	OJT A

*** Students who do not take Foreign Language can complete their credits for graduation through these programs. Please see your counselor for details and credit requirements.*

<http://www.mcps.k12.md.us/curriculum/coursebulletin/>