

Technology

	Code	Course	Grade	Prerequisite
	516100	Foundations of Technology A#	9-12	
	516200	Foundations of Technology B#	9-12	Foundations of Tech A
PLTW	515200	Introduction to Engineering Design A#	9-12	Algebra 1 with C or better
	515300	Introduction to Engineering Design B#	9-12	Intro to Eng Des 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
	364400	Environmental Sustainability A	11-12	Digital Electronics A/B
	364500	Environmental Sustainability B	11-12	Environmental Sustainability A
	515800	Engineering Design and Development A	11-12	Pre/co-req of Environmental Sustainability A
	515900	Engineering Design and Development B	11-12	Engineering Design and Development A

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

Computer Science

	Code	Course	Grade	Prerequisite
GAMING	519500	Foundations of Media Communications A	9-12	Algebra 1
	519600	Foundations of Media Communications B	9-12	Foundations of Media Communications A
	280400	Game Development A	10-12	Foundations of Media Communications A/B
	280500	Game Development B	10-12	Game Development A
CISCO	421400	MicroComputer Tech-IT Essentials A**##	10-12	Algebra 1
	421500	MicroComputer Tech-IT Essentials B**##	10-12	MicroComputer Tech A
	421800	Network Engineering and Mgmt A**##	11-12	MicroComputer Tech
	421900	Network Engineering and Mgmt B**##	11-12	Network Eng and Mgmt A
PROGRAMMING	281200	Designing Technology Solutions A #	9-12	Algebra 1 with C or higher Strongly Recommended
	281300	Designing Technology Solutions B #	9-12	Designing Technology Solutions A
	291800	AP Computer Science Principles A #	10-12	Concurrent Geometry or higher and Designing Technology Solutions A and B
	291900	AP Computer Science Principles B #	10-12	AP Computer Science Principles A
	290100	AP Computer Programming 2A	10-12	AP Computer Science Principles A and B
	290200	AP Computer Programming 2B	10-12	AP Comp Prog 2A
	296500	Computer Programming 3A	11-12	AP Computer Programming 2A and 2B
296600	Computer Programming 3B	11-12	Comp Prog 3A	
INTERN	290710	Computer Science Intern A	12	AP Comp Science or Network Engineering and Management, Teacher Approval
	290720	Computer Science Intern B	12	AP Comp Science or Network Engineering and Management, Teacher Approval

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

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

** May count towards a program completer.

Business Education

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

Family and Consumer Science

Code	Course	Grade	Prerequisite
484700	Child Development 1A	10-12	
484800	Child Development 1B	10-12	Child Dev 1A
488000	Child Development 2A	11-12	Child Dev 1
488100	Child Development 2B	11-12	Child Dev 2A
488200	Child Development 3A	12	1 credit Child Dev/Teacher Approval
488300	Child Development 3B	12	Child Dev 3A
488400	Child Development Internship	12	1 Credit Child Development Teacher Approval May be taken unlimited times

**Satisfies the 1 credit minimum technology requirement for graduation for Seniors.*

College and Career Research and Development (CCRD)

The CCRD program requires students to secure and maintain employment.

Code	Course	Grade	Prerequisite
809200	College and Career Research and Development (CCRD) A	11	
809300	College and Career Research and Development B	11	CCRD A
806500	Career Seminar A	12	CCRD A/B
806600	Career Seminar B	12	Career Seminar A
544100	Site Based Work Experience A (Double Period)	12	Co-req: Career Seminar A/B
544200	Site Based Work Experience B (Double Period)	12	Co-req: Career Seminar A/B

*Note: Students who do not take Foreign Language can complete their credits for graduation through these programs:
CCRD, CISCO and Child Development – Please see your counselor for details and credit requirements.*

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