

COLLEGE: Montgomery College

HIGH SCHOOLS: Clarksburg, Gaithersburg, Sherwood

CLUSTER: Environmental, Agriculture, & Natural Resources

MCPS PROGRAM: Landscape Design

MC PROGRAM: Landscape Technology A.A.S.

Students enrolled in this career pathway program will study the utilization and care of ornamental plants, with flexibility for concentration in design, installation/contracting, and/or maintenance of exterior and interior landscapes. Students will learn to read a design plan, analysis a site, develop and draft a landscape design plan to suit customer's needs and desires, identify and classify plant material, and make appropriate selections for use in the landscape.

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	Algebra I or Geometry	Matter & Energy	US History A/B	Foreign Language	Physical Education	Foundations of Technology	
	Accounting, Entrepreneurship & Business Management, and Software Applications by Design are highly recommended courses.								
	10	English	Algebra 2	Biology	NSL	Foreign Language	Health (.5) Elective (.5)	Foundations of Horticulture A/B	
	11	English	Algebra 2 or Precalculus	Chemistry	Modern World History A/B	Fine Arts	Fundamentals of Design (.5) and Site Design (.5)	♦ Software Applications by Design	
	An internship in the horticulture industry is highly recommended.								
12	English	Precalculus or Calculus	Science Elective Adv. Physics or Adv Biology	Elective Biotechnology	Choose 2 from these electives: Floral & Interior Plan Design (.5), Turfgrass/Irrigation Management (.5), Advanced Application Landscape Design (.5), or Landscape Maintenance (.5)		Choose one to complete program: Horticulture Internship, or Entrepreneurial Horticulture, Guided Research Horticulture, or CTE Academy Capstone Experience		
An articulation agreement with Montgomery College is being developed.									
POSTSECONDARY	Year 1 1st Semester	EN 101 Techniques of Reading and Writing I	Mathematics Foundation	BI 101 General Biology		LN 101 Introduction to Landscape Technology	MG 205 Organizational Behavior	BA 101 Introduction to Business	MG 101 Principles of Management
	Year 1 2nd Semester	English Foundation		Health Foundation		LN 130 Landscape Design	LN 108 Plant Materials I	♦ CA120 Introduction to Computer Applications	
	Year 2 1st Semester	Speech Foundation		CH 100A Intro to College Chemistry or CH 101 Principles of Chemistry I	Behavioral & Social Sciences Distribution	LN 120 Landscape Graphics	LN 109 Plant Materials II	LN 140 Creating Gardens in a Digital Age	LN 118 Landscape Management
	Year 2 2nd Semester	Arts of Humanities Distribution				LN 204 Landscape Construction Methods & Estimating	LN 110 Herbaceous Plant Materials	LN 115 Water Garden Management	LN 280 Landscape Technology Internship

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, 2+2+2) (♦=High School to Com. College)(●=Com. College to 4-Yr Institution)



Environmental, Agriculture, and Natural Resources

2009–2010

Landscape Design (OASIS Code = LA) CIP 01.0605.4			
Requirements for Program Completion (2 credits A) + (1 credit B) + (1 credit C)			
Code	Course #	Course Title	Credit
A	5535/5536	Foundations of Horticulture A/B	1.0
	TBD	Fundamentals of Design	.5
	TBD	Site Design	.5
B	TBD	Floral and Interior Plant Design	.5
	TBD	Advanced Application Landscape Design	.5
	TBD	Landscape Maintenance	.5
	TBD	Turfgrass/Irrigation Management	.5
C	5710	Horticulture Internship (Unlimited Repeats)	.5
	TBD	Entrepreneurial Horticulture	1.0
	TBD	Academy Capstone Experience	1.0

For more information, go to:

<http://www.montgomeryschoolsmd.org/departments/cte/toolkit/ClusterInfo/Environment/index.shtm>.