

Scope and Sequence Horticulture

Academic Subjects – Career success and postsecondary education success require the same level of college prep coursework. The Pennsylvania Department of Education’s (PDE) focus is to ensure that every student is prepared for college and a career. Academic courses such as applied math or general science cannot be listed on the program’s scope and sequence. PDE’s goal is to have all students perform at the competent or advanced level on the PSSA, and earn the Pennsylvania Skills Certificate on the end-of-program assessment.

Subject (Hours)	Secondary School				Postsecondary Institution			
	Grade 9 (Hours)	Grade 10 (Hours)	Grade 11 (Hours)	Grade 12 (Hours)	First Semester	Second Semester	Third Semester	Fourth Semester
Technical		Orientation	Basic Horticulture Principles	Greenhouse Practices & Production	HRT 101 Introduction to Ornamental Horticulture	HRT 119 Herbaceous Plant Production	HRT 209 Plant Propagation and Production	HRT 224 Landscape Construction
		Basic Horticulture Principles	Greenhouse Practices and Production	Floral Design	Hrt 102 Horticulture Equipment Operation and Safety	HRT 121 Landscape Plants	HRT 216 Turf Management	HRT 226 Landscape Accessories
		Greenhouse Practices and Production	Floral Design	Landscaping	HRT 110 Soils and fertilizers	CSC 110 Introduction to Information Technology	HRT 219 Landscape Operations	
		Floral Design	Landscaping	Employability & Leadership	HRT 113 Ornamental Plants		HRT 225 Landscape Design	
		Landscaping	Employability & Leadership	Job Seeking/Keeping Skills			HRT 239 Plant Insects and Disease	
		Job Seeking/Keeping Skills						
English	College Prep English 9	College Prep English 10	College Prep English 11	College Prep English 12	English 111 English Composition I	ENL 201 Technical and Professional Communication		
Math	Algebra I	Algebra II	Geometry	Trigonometry	Mth 124 Technical Algebra and Trig			
Science	Accelerated Integrated Science	Biology	Chemistry		BIO 111 Basic Botany			
Humanities	Citizenship	World Cultures	American History I	American Government			FIT Fitness and Lifetime Sports	Social Sciences Elective
Other	Physical Education	Physical Education	Physical Education	Physical Education				
	Health	Health	Driver's Ed. Theory	Health				