

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.

	SECONDARY				POSTSECONDARY based on PENN COLLEGE OF TECHNOLOGY			
	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade	Semester One	Semester Two	Semester Three	Semester Four
Technical Units		Orientation Basic Horticulture Principles Greenhouse Practices and Production Floral Design Landscaping Demonstrate Job Seeking/Keeping Skills SAE-FFA	Basic Horticulture Principles Greenhouse Practices and Production Floral Design Demonstrate Job Seeking/Keeping Skills Landscaping SAE-FFA	Greenhouse Practices and Production Floral Design Landscaping Demonstrate job seeking/keeping skills SAE-FFA WBL	HRT 101 Introduction to Ornamental Horticulture Hrt 102 Horticulture Equipment Operation and Safe HRT 110 Soils and fertilizers HRT 113 Ornamental Plants	HRT 119 Herbaceous Plant Production HRT 121 Landscape Plants CSC 110 Introduction to Information Technology	HRT 209 Plant Propagation and Production HRT 216 Turf Management HRT 219 Landscape Operations HRT 225 Landscape Design HRT 239 Plant Insects and Disease	HRT 224 Landscape Construction HRT 226 Landscape Accessories
English	College Prep English I	College Prep English II	College Prep English III	College Prep English IV	English 111 English Composition I	ENL 201 Technical and Professional Communication		
Math	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	Mth 124 Technical Algebra and Trig			
Science	Biology	Chemistry	Physics		BIO 111 Basic Botany			

Humanities	Civics	American History	World Studies				FIT Fitness and Lifetime Sports	Social Sciences Elective
Other Required Courses/ Electives	Foreign Language I (recommended)	Foreign Language II (recommended)						