

Technical College Major: Horticulture High School Career Pathway: Plant Science

Courses	Grade 9	Grade 10	Grade 11	Grade 12	1 st Year College	2 nd Year College
English	Ninth Grade Literature and Composition	Tenth Grade Literature and Composition	American Literature and Composition	12 th Grade Literature and Composition	GENERAL CORE ENGL 1101 - Composition and Rhetoric PSYC 1101 - Introductory Psychology MATH 1111 - College Algebra Humanities Elective General Core Elective OCCUPATIONAL COURSES *COMP 1000 – Introduction to Computers *+HORT 1000 – Horticulture Science +HORT 1010 – Woody Ornamental Plant Identification HORT 1020 – Herbaceous Plant Identification +HORT 1080 – Pest Management HORT 1150 – Environmental Horticulture Internship HORT Elective	OCCUPATIONAL COURSES Guided Elective 21 hours from the following: HORT 1030 – Greenhouse Management +HORT 1040 – Landscape Installation HORT 1050 – Nursery Production & Management HORT 1060 – Landscape Design +HORT 1120 – Landscape Management HORT 1140 – Horticulture Business Management HORT 1160 – Landscape Contracting HORT 1310 – Irrigation HORT 1330 – Turfgrass Management HORT 1440 – Landscape Grading and Drainage HORT 1500 – Small Gas Engine Repair & Maintenance HORT 1680 – Woody Plant Identification II HORT 1720 – Introductory Floral Design HORT 1730 – Advanced Floral Design HORT 1800 – Urban Landscape Issues HORT 2249 – Flower Shop Management HORT 2500 – Specialty Landscape Construction
Mathematics	Math I or Accelerated Math I	Math II or Accelerated Math II	Math III or Accelerated Math III/ AP/IB	Math IV or Calculus or AP Calculus		
Science	Biology I	Physical Science or Physics	Chemistry or Environmental Science	Science Elective		
Social Studies	American Government/ Civics	World History	US History	Economics/ Business		
Foreign Language	2 Units of Same Language					
PE/Health	1 Unit					
Career/Technical	<u>Possible Courses Toward Pathway</u> Computer Applications <u>Plant Science Pathway</u> Basic Agriculture Science & Technology General Horticulture & Plant Science Nursery & Landscape Floriculture Production & Management		Dual Enrollment Opportunity Available To Juniors and Seniors Landscape Specialist Technical Certificate of Credit <i>TCC may be earned while still in High School</i> *+HORT 1000 – Horticulture Science +HORT 1010 – Woody Ornamental Plant Identification +HORT 1040 – Landscape Installation +HORT 1080 – Pest Management +HORT 1120 – Landscape Management Total College Credits: 15			
			Landscape Specialist Technical Certificate		Horticulture Degree	Horticulture Degree

Award Conferred
Technical Certificate and
Associate Degree of Applied Science

Required College Credits for Degree: 60
Earned College Credits: 15
Hours Remaining to Reach Diploma: 45

*** Possible Articulated Credit**
+ Dual Enrollment Courses
ACCEL Courses

JOINT Enrollment also available for high school students.

