



Grade	ELA	Math	Science	Social Studies	Required CTE Courses	Potential Certification Opportunities
9th	English 1	Algebra I	Biology	World Geography or AP Human Geography	Principles of Agriculture, Food, & Natural Resources (1 Credit)	<ul style="list-style-type: none"> <li>OSHA General</li> <li>Cyber Safety</li> <li>Career Essentials: Customer Service</li> <li>Career Safe: Employability</li> </ul>
10th	English 2	Geometry	Chemistry or OnRamps Chemistry	World History, AP World History, or Political Science	Floral Design (1 Credit)	
11th	English 3	Algebra II	Physics, AP Physics, AP Chemistry, or OnRamps Physics	U.S. History, AP US History, or OnRamps US History	Greenhouse Operations & Production (2 Credits)	<ul style="list-style-type: none"> <li>Texas Certified Nursery Professional</li> <li>Certified Landscape</li> </ul>
12th	Business English, or Approved CTE 4 <sup>th</sup> year English	Financial Mathematics, or Approved CTE 4 <sup>th</sup> year Math	Principles of Technology, or Approved CTE 4 <sup>th</sup> year Science	Government ————— Economics	Practicum in Agricultural, Food, & Natural Resources (2 Credits)	<ul style="list-style-type: none"> <li><b>Landscape Irrigation Technician License</b></li> <li>Licensed Landscape Irrigation Installer</li> <li>SafeServ Food Handler—National Restaurant Association</li> </ul>

Student Organizations	Additional Required Electives
FFA	Fine Arts Health Foreign Language Physical Education

Dual Credit Offerings	Additional Recommended Electives
English 4 Government U.S. History Economics Pre-Calculus	Horticulture Science (1 Credit) AP Psychology (.5 Credit) Psychology (.5 Credit) Sociology (.5 Credit)

Sample Career Opportunities	High School	On the Job Training	Certificate	Associates Degree	Bachelor's Degree	Advanced College Degree	Average Annual Salary	Possible Majors for this Pathway
Landscape Architect		X	X	X	X	X	\$90,400—\$116,764	<ul style="list-style-type: none"> <li>Landscape Architecture</li> <li>Landscape Design</li> <li>Landscape Management</li> <li>Horticultural Sciences</li> <li>Horticultural &amp; Botany</li> <li>Landscape Construction</li> <li>Plant Production</li> <li>Turf Grass Management</li> <li>Project Management</li> </ul>
Landscape Designer		X	X	X	X	X	\$51,202—\$65,339	
Nursery and Greenhouse Worker	X	X	X	X			\$25,440—\$36,910	
Horticulturalist	X	X	X	X			\$32,590—\$45,830	
Landscape Management	X	X	X	X			\$125,574—\$195,495	
Irrigation Management	X	X	X	X	X	X	\$43,169—\$50,880	
Agricultural Engineers			X	X	X	X	\$70,128—\$101,990	
Farmers, Ranchers, and Other Agricultural Managers	X	X	X	X			\$71,160—\$132,760	
Horticultural Technician		X	X	X			\$23,250—\$33,500	
Garden Manager	X	X	X	X			\$52,860—\$79,150	
Arborist Grounds Keeper	X	X	X				\$32,250—\$47,500	