

Riverview School District Program of Study

Career Cluster Pathway: Horticulture

This program of study should serve as a partner to our registration guide, and help learners clearly define their career and college readiness pathways. Courses listed within this program of study are recommended only, and should be individualized to meet each learner's education and career and college goals.

LEVEL	GRADE	English/ Language Arts (4.0 credits)	Social Studies (3.0 credits)	Math (3.0 credits)	Science (2.0 credits)	Visual or Performing Arts (1.0 credits)	Health/ Fitness (2.0 credits) Health = .5 PE = 1.5	World Language (2.0 credits)	Career & Technical or Occupational Education (1.5 credits)
Visit the OSPI website or Washington Student Achievement Council for more information on state graduation requirements. Note: Riverview School District offers a Personalized Pathway. See the Registration Guide and contact your school counselor.									
SECONDARY GRADUATION REQUIREMENTS	7	Language Arts	Social Studies	Math or Algebra I	Science	Elective	PE	NA	8 th Tech/Engr/Art
	8	Language Arts	Washington State History	Math, Algebra I, Geometry	Science	Elective	PE	NA	8 th Tech/Engr/Art
	9	English 9 Honors English 9	None	Algebra I Algebra II Geometry	Physical Science Honors Physical Science Agriscience A and B	Recommend: Floral Design 1-4 2 Credits from Visual and Performing Arts Courses or Occ. Ed. Equivalent	One Semester Health and One Semester Physical Ed	Elective or Spanish 1 French 1	IT Academy Manufact & Fab 1 Horticulture 1 Small Engine Repair FFA
	10	English 10 Honors English 10	Required: Modern World History and Geography or Honors Modern World History and Geography	Geometry Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus	Agriscience A and B Biology Honors Biology		World Lang. Spanish 1 or 2 French 1 or 2	Horticulture 1 or 2 Greenhouse 1 Manufact & Fab 1 Horticulture 1 Small Engine Repair FFA	
	11	English 11 Honors English 11 AP Language and Composition	Required: US History and Government or AP US History Electives for 11th & 12th Grades: Law and Business Ethics 1 & 2, Economics, Global Issues, Psychology	Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus, AP Statistics, Accounting, Financial Planning, Business Math, AP Computer Science	Choose: Agriscience A and B, Animal Science 1 and 2, Horticulture 1 and 2, AP Biology, Anatomy and Physiology, Chemistry, AP Chemistry, Physics, AP Physics, AP Computer Science		World Lang. Spanish 2 French 2	One Semester of the following: Sports Medicine 1 and 2, Sports Medicine Lab, Advanced Health, Aerobic Fitness, Walk Fit, Strength and Conditioning, Team Sports	Horticulture 1 or 2 Greenhouse 1 or 2 Manufacturing & Fabrication 2 Small Engine Repair FFA
	12	English 12 Honors English 12 AP Language and Composition	Required: Civics or AP US Gov. and Politics See Electives Available Above for 12th grade required .5 credit	Choose: Algebra II Pre-Calculus Honors Pre-Calculus, AP Calculus, AP Statistics, Accounting, Financial Planning, Business Math, AP Computer Science	Choose: Agriscience A and B, Animal Science 1 and 2, Horticulture 1 and 2, AP Biology, Anatomy and Physiology, Chemistry, AP Chemistry, Physics, AP Physics, AP Computer Science		World Lang. Spanish 2 French 2	Horticulture 1or 2 Greenhouse 1 or 2 Manufacturing & Fabrication 3 Work Site Learning Practicum at a farm or other job related place FFA	

Technical Certification <i>(Instruction provided through certified training and/or testing centers)</i>	Apprenticeship Opportunities <i>(To learn more about Apprenticeship, visit Labor and Industries website.)</i>	2-yr Degree or Certification <i>(Find specific colleges at www.checkoutcollege.com)</i>	4 –yr Degree or Adv Training <i>(Find specific colleges at Washington Student Achievement Council)</i>	Little or No Preparation <ul style="list-style-type: none"> • Landscaping and Grounds keeping Workers* 	Considerable Preparation <ul style="list-style-type: none"> • CTE Teacher • Sales Representatives, Wholesale and Manufacturing, Technical and Scientific*
<p><u>CTE Course Offerings</u></p> <p>May vary depending on local school district - see course catalog</p> <p><u>Skills Center Options</u></p> <p><u>Learn</u> more about locations and course offerings at www.washingtonskillscenter.org</p> <p><u>Leadership Programs</u></p> <p>DECA - Marketing FFA - Agriculture FBLA - Business TSA -Technology WVSMA - Sports Medicine</p> <p><u>Tech Prep Courses</u></p> <p>Learn more about earning college credit while in high school CTE classes at techprepwa.org/studentparent</p> <p><u>CERTIFICATION</u></p> <p>Some preparatory CTE courses offer industry certification. Ask an instructor for details.</p> <p><u>Agricultural Business and Management</u></p> <ul style="list-style-type: none"> • Spokane Community College • Walla Walla Community College 	<p>Follow these steps to learn about the specific apprenticeships available in this pathway:</p> <p>STEP 1: Link to Apprenticeship Registration and Tracking System</p> <p>STEP 2: Search by "Occupation" using key words below or the SOC code listed</p> <ul style="list-style-type: none"> • Grounds Maintenance Specialist (37-3011) • Landscape Technician (37-3011) • Tree Trimmer (37-3013) <p>STEP 3: Click "View" and scroll down to find contact name and program standards for qualifications and how to apply</p>	<p><u>Agricultural Business and Management</u></p> <ul style="list-style-type: none"> • Spokane Community College • Walla Walla Community College • Wenatchee Valley Valley Community College • Yakima Valley Community College <p><u>Farm Management</u> Centralia Community College</p> <p><u>Forest Tech</u></p> <ul style="list-style-type: none"> • Grays Harbor Community College • Green River Community College • Spokane Community College <p><u>Floristry Marketing & Mgmt</u></p> <ul style="list-style-type: none"> • Lake Washington Technical College • Spokane Community College <p><u>Floral Design</u></p> <ul style="list-style-type: none"> • Floral Design Institute <p><u>Greenhouse/Nursery Operations & Mgmt</u></p> <ul style="list-style-type: none"> • Clark College • Edmonds Community College • Spokane Community College <p><u>Landscaping and Groundskeeping</u></p> <ul style="list-style-type: none"> • Clark College • Clover Park Technical College • Edmonds Community College • South Seattle Community College <p><u>Natural Resource/Conservation</u></p> <ul style="list-style-type: none"> • Grays Harbor Community College • Peninsula Community College • Skagit Valley Community College • Wenatchee Valley Community College • Walla Walla Community College <p><u>Greenhouse/Nursery Operations & Mgmt</u></p> <ul style="list-style-type: none"> • Clark College • Edmonds Community College • Spokane Community College <p><u>Turf & Turfgrass Management</u></p> <ul style="list-style-type: none"> • Spokane Community College • Walla Walla Community College 	<p><u>Conservation and Renewable Natural Resources, Other</u></p> <ul style="list-style-type: none"> • University of Washington-Seattle Campus • Washington State University <p><u>Engineering Related Technologies</u></p> <ul style="list-style-type: none"> • Central Washington University • City University • ITT Technical Institute <p><u>Environmental Sciences</u></p> <ul style="list-style-type: none"> • Washington State University - Vancouver <p><u>Forest Management</u></p> <ul style="list-style-type: none"> • University of Washington-Seattle Campus <p><u>Forestry and Related Sciences, Other</u></p> <ul style="list-style-type: none"> • Heritage University • University of Washington-Seattle Campus • Washington State University <p><u>Landscape Architecture</u></p> <ul style="list-style-type: none"> • University of Washington-Seattle Campus • Washington State University • Washington State University - Spokane <p><u>CTE Secondary Education Teacher</u></p> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2000 hours of related work experience • Industry Route Certificate requires 6000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English 	<p><u>Some Preparation</u></p> <ul style="list-style-type: none"> • First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeepers* • Pest Control Workers Refuse and Recyclable Material Collectors* Recycling Center Operator Wastewater Treatment Maintenance <p><u>Medium Preparation</u></p> <ul style="list-style-type: none"> • Forest and Conservation Technicians • Pesticide Handlers, Sprayers, and Applicators, Vegetation • Environmental Engineering Technicians • Farm Manager* • Farmer-Rancher-Feedlot* • Sales Manager* • Livestock Manager* • Dairy Herd Supervisor* • Agricultural Products Buyer/Distributor 	<ul style="list-style-type: none"> • Landscape Architects • Secondary and Post Secondary Horticulture Instructors • Agricultural Commodity Broker • Agricultural Economist • Agricultural Educator • Agricultural Lender • Banker/Loan Officer • Civil Engineer for Agricultural, Irrigation, and Water Supply • CTE Teacher • Farm Investment Manager • Produce Commission Manager • Purchasing Agents and Buyers <p><u>Extensive Preparation</u></p> <ul style="list-style-type: none"> • Environmental Engineers* • Soil and Plant Scientists