

Key			Liberty High School											
Career Pathway Academic Required Courses			Sustainable Design											
Career Pathway Recommended Courses/Learner Activities			Career Cluster Area - Agriculture Science and Technology											
Articulated Credits			<i>This program of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized coursework to meet each learner's educational and career goals.</i>											
1-year Certificate														
AAS Degree														
University														
Education Levels	Grade	English / Language Arts	Math	Science	Social Sciences	Courses and Electives	Career Pathway Core Classes	Recommended Courses and/or Learner Activities	Student Leadership Organizations	Certification or Credential	Community Partners	Degree or Diploma		
HS	Grade Level	PROGRAM OF STUDY												
	9	English Language Arts 9	Algebra 1,Geometry, Algebra 2 (see counselor for placement)	Physics 1 (Algebra 1)	World Studies	PE 1	Intro to Horticulture or		FNRL		Clean Water Services	*Chancellor's Diploma		
							Discovering Natural Resources				Northwest Tree Specialist			
											Beaverton Foods			
	10	Sophomore EnglishEnglish Language Arts 10	Geometry Algebra 2 PreCalculus (see counselor for placement)	Chemistry		Health/PE 2	Intro to Horticulture or				Schoch Dairy		La Finquita del Buho CSA	or
							Discovering Natural Resources							
								11			English Language Arts 11	Algebra 2 Pre-Calculus (see counselor for placement)	Biology or AP Biology	US History/AP US History
	Sustainable Agriculture 2	Environmental Science												
		12	English Language Arts 12	Pre-Calculus, AP Statistics, AP Calculus (see counselor for	AP Biology, AP Chemistry, AP Environmental, AP Physics	Economics People and Politics	Applied Arts/Foreign Lang/CTE							
								Environmental Science						
	Clackamas Community College	TERM	PROGRAM OF STUDY									Certificates/Degrees/Occupations		
FIRST TERM		HOR 113 Organic Farming Practicum/Fall	HOR 124 Food Harvest	HOR 235 Weed Identification	HOR 236 Insect Identification	WR 101 or WR 121 Occupational Writing/English Comp	Organic Farming Elective	One Year Organic Farming Certificate						
SECOND TERM		HOR 135 Propagation of Edible Plants	HOR 136 Organic Farming Practicum/Winter	HOR 216 Intergrated Pest Management	HOR 237 Disease ID	MTH 050 or MTH 065 Technical Mathematics I or Algebra II (or higher level math)		Farming offers a rewarding path for people with a passion for environmental stewardship, locally grown food, global nutrition, food security and working in the great outdoors. Farmers are entrepreneurs, innovators, idealists and community leaders. Areas of study include: Fruit and berry growing, farm equipment, organic farming and gardening, propagation of edibles. Possible careers include:Farm operation and management Community garden manager Farmer's market manager School garden or Community Supported Agriculture (CSA) Farm operator						
													THIRD TERM	HOR 120 Pesticide Law & Safety
FOURTH TERM		BA 285 or COMM 100 Human Relations in Business/Speech	HOR 146 Fruit and Berry Growing	HOR 284 Organic Farming-Campus Farm/CWE	HOR 285 Organic Farming /CWE									
		TERM	PROGRAM OF STUDY											Certificates/Degrees/Occupations
		FIRST TERM	CSS 200 Soils and Plant Nutrition	HOR 226 Plant Materials - Deciduous	HOR 227 Plant Materials - Evergreen	HOR 290 Introduction to Landscape Design	LAT 104 Pesticides		Associate of Applied Science Landscape Technology CIPS# 010605					

<b>PCC</b> [Highlight and add hyperlink to the program]	<b>SECOND TERM</b>	HOR 228 Plant Materials - Flowering	LAT 106 Basic Horticulture	LAT 108 Landscape Irrigation I	LAT 109 Plant Propagation	LAT 110 Grounds Maintenance	The LAT program offers three degrees The second-year degree courses are more specific to the degree focus and allow students to pursue areas of interest through electives and cooperative education. Completion of the A.A.S. degree satisfies the educational portion of the eligibility requirements to take the State Landscape Contractors Licensing Exam. Some of the career possibilities are: Landscape and Groundskeeping Workers, Lawn Maintenance Workers, Nursery and Greenhouse Managers, Nursery Workers, Pest Control Workers, Plant Scientists, Tree Trimmers and Pruners	
	<b>THIRD TERM</b>	LAT 111 Landscape Construction Practices	LAT 236 Landscape Math	LAT 217 Landscape Drafting	LAT 223 Site Surveying and Analysis	HOR 255 Spring Annuals and Perennials		
	<b>FOURTH TERM</b>	LAT 241 Turfgrass Cultural Practicities	LAT 243 Landscape Business Operations	LAT 264 Landscape Estimating and Bidding	LAT 280A CE: Landscape	General Education		
	<b>FIFTH TERM</b>	MSD 101 Principles of Management and Supervision	CIS 179 Data Communications	CIS 287I Web Server Administration	Elective (see list below)	General Education		
	<b>SIXTH TERM</b>	Elective (see list below)	Elective (see list below)	Elective (see list below)	General Education	General Education		
	<b>Landscape Technology Electives</b>		HOR 291 Landscape Desgn Process LAT 235 Tree Care-Fall LAT 214 Plant Composition I LAT 240 Tree Care-Spring LAT 219 Landscape Illustration LAT 225 Water Gardens		LAT 232 Landscape Irrigation II LAT 250 Plant Disease, Insects, & Weed ID LAT Native Plants of Oregon LAT 271 Computer Aided Landscape Design LAT 275 Inroduction to Landscape Night Lighting LAT 278 Oregon LCP Examination Preparation			
<b>UNIVERSITY</b>	<b>Universities that have a major in this Pathway</b>							Careers students can go into
	<a href="#">Oregon State University</a>	<a href="#">Portland State University</a>	<a href="#">University of Oregon</a>					