



AGRICULTURAL SCIENCES

Program of Study



Career Cluster: Agriculture, Food and Natural Resources

Career Pathway: Natural Resources Systems

This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. The courses outlined below are only RECOMMENDATIONS.

Course offerings may vary from high school to high school. Additionally, a PPR (Personalized Pathway Requirement) may be used in lieu of some of the World Language and/or Art credit requirement. See your high school counselor for additional graduation requirement information.

PPR – Personal Pathway Requirement *World Language – 2.0 credit may be met through a PPR *Art – 1.0 credit may be met through a PPR

EDUCATION LEVELS	G R A D E	English/ Language Arts	Math	Science	Social Studies	Other Requirements	Electives	Summer School Offerings High School Credit Free of Charge
MS	6-8	Grade Level ELA	Grade Level Math	Grade Level Science	Grade Level Social Studies		STEM Classes	Summer School Available After the 8 th Grade Year
High School	9	ELA 9	Integrated Math I OR Intensive Integrated Math I	Physical Science		Health (.5) PE (.5) World Language* Art**	to be Taken Grades 9-11 Business and Marketin Intro to Agriculture Intro to Animal Science Intro to Nutrition and F	PCSC Summer School Business and Marketing A Culinary Arts Intro to Nutrition and Fitness Pre-Veterinary Technology
	10	ELA 10	Integrated Math II	Biology; AP Biology OR AP Environmental Science	World History OR AP World History	PE World Language* Art**	Greenhouse Science Greenhouse Management Environmental Science Resource Mgmt. 101: Forestry & Society AP Environmental Science Introduction to Business Entrepreneurship Culinary 1 Culinary 2 Culinary 3	See PCSC Summer School application for additional course offerings at other PCSC summer school locations. Offerings also include CTE classes that may satisfy academic credit graduation requirements – specifically in art, PE, and health.
	11	ELA 11 OR AP Language	Integrated Math III OR Applied Algebra 2	Chemistry OR Greenhouse Science	US History OR AP US History	PE		
	12	ELA 12 OR AP Lit	Consumer Math OR Pre-Calculus OR AP Calculus	Greenhouse Management	Civics & Economics OR AP Government			
Credit Equivalency, Certifications & Dual Credit	High School Credit Equivalency: Science CTE		Certifications Earned at OHS:		Articulation/Dual Credit: (DC) Bates - (Culinary and Business) – 10 CREDITS Clover Park Technical College (Culinary, Business and Environmental Science) – 24 POTENTIAL CREDITS			
							Articulation agreements and number of credits are subject to change	

Clubs and Extracurricular Activities FFA Future Farmers of America OHS FFA Advisor: Mia Gum

gumm@orting.wednet.edu

Additional Program Information

Course Description

The Natural Resources Systems pathway enables people to perform a variety of tasks from helping to develop, maintain, and manage the forest and natural environment to catching and trapping various types of marine life for human consumption, animal feed, bait and other uses. Forest and rangelands supply wood products, livestock forage, minerals and water; serve as sites for recreational activities; and provide habitats for wildlife. Conservation scientists and foresters manage, develop, use and help protect these and other natural resources.

Course Descriptions		Local Public Post-Secondary Options			
See the OHS Course Guide in Xello for Intro to Agriculture Intro to Animal Science Intro to Vet Medicine Greenhouse Science Greenhouse Management Environmental Science Resource Mgmt. 101: Forestry & AP Environmental Science Introduction to Business Entrepreneurship Culinary 1 Culinary 2 Culinary 3	Society	 Bellingham Technical College Clover Park Technical College Green River College Eastern Washington University Western Washington University Central Washington University Washington State University University of Washington 			
Careers & Job Outlook		Additional career and outlook information can be found on the			
There are more than 268 related careers. Visit Caree	<u>er Bridge</u> or <u>Xello</u> to	following websites			
explore all jobs and trends		www.bls.gov			
Here is a small sample:		www.careerbridge.wa.gov			
Occupation	Annual Salary	Xello			
Agriculture and Food Science Technicians Food Scientists and Technologists Cooks, Institution and Cafeteria Chefs and Head Cooks Natural Science Managers Foresters Fish and Game Wardens Zoologist and Wildlife Biologists Soil and Plant Scientists Civil Engineers	\$41,150 \$70,060 \$32,810 \$53,200 \$144,010 \$70,050 \$75,060 \$72,290 \$79,310 \$92,110				