

Key	
High School Academic	
High School Career & Technical	
Dual Credit Articulated Courses	
1-year Certificate	
AAS Degree	
University	

## Sunset High School/Terra Nova

Agriculture Technology  
Agriculture, Food, & Natural Res. Pathway

*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.*

Education Levels	Grade	English / Language Arts	Math	Science	Social Studies / Sciences	Other Required Courses Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses	Elective Career and Technical Courses	
SECONDARY	9	English 9	Algebra 1	Integrated Science	World History	Physical Education			
	10	English 10	Geometry	Biology	US Studies			Field Biology	P
	11	English 11	Algebra 2	Physics	Computer Technology			Applied Chemistry	I
	12	English 12	CTE/Arts/Second Language	CTE/Arts/Second Language	Government/ Economics		Elective Courses Career Credit	Sustainable Foods Harvest Work Experience 1	L O M A

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 Integrated 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	HOR 140 Soils	HOR 141 Organic Farming Practicum/Spring	HOR 148 Farm Equipment	Organic Farming Elective		
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 CIP# 010605
SECOND TERM	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
THIRD TERM	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		
FOURTH TERM	LAT 241 Turfgrass Cultural Practices	LAT 243 Landscape Business Operations	LAT 264 Landscape Estimating and Bidding	LAT 280A CE: Landscape	General Education		
FIFTH TERM	MSD 101 Principles of Management and Supervision	CIS 179 Data Communications	CIS 2871 Web Server Administration	Elective (see list below)	General Education		
SIXTH TERM	Elective (see list below)	Elective (see list below)	Elective (see list below)	General Education	General Education		
Landscape Technology Electives		HOR 291 Landscape Design Process LAT 235 Tree Care-Fall LAT 214 Plant Composition I LAT 240 Tree Care-Spring LAT 219 Landscape Illustration	LAT 232 Landscape Irrigation II LAT 250 Plant Disease, Insects, and Weed ID LAT Native Plants of Oregon LAT 271 Computer Aided Landscape Design LAT 275 Introduction to Landscape Night Lighting				

UNIVERSITY							