

Agriculture: Sustainable Agriculture and Resource Systems

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Wenatchee Valley College offers two associate of technical science degree programs in Sustainable Agriculture and Resource Systems. The transfer degree articulates to Washington State University's Agriculture and Food Science degree program in a variety of majors. The non-transfer degree prepares students to enter directly into employment in agriculture and related fields. The program builds educational pathways for students using core courses and electives to custom design a program to fit each student's emphasis area and intended educational outcome. Faculty advisers work closely with students to determine courses that will best meet their unique educational needs. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in those subjects. See course descriptions for details. Examples of three possible emphasis areas are listed below: General Agriculture, Tree Fruit Production, and Sustainable and Organic Agriculture. Many other pathways are possible including Horticulture, Natural Resources, Agribusiness and Agriculture Education.

The bilingual agricultural employee education program offers several certificate degrees to increase the professional abilities of agricultural employees and their contributions to the operations of their respective employment settings. The programs are taught in Spanish, but all students should have basic English conversational skills and some ability to read and write in Spanish when entering these programs. Each program includes applied English, mathematics and computer applications instruction and a civics component which covers everyday life situations. Beginning and Advanced HOEEP (Hispanic orchard employee education program) focus on basic horticulture; HOEEP IV: Farm Management introduces the principles and practices of farm management; HOEEP V: Introduction to Viticulture introduces students to the production and management of juice and wine grapes and vineyard financial management; Integrated Pest Management Technician program is designed to prepare students as pest management scouts and assistants for apple, pear and cherry IPM projects.

Sample Pathway for General Agriculture Emphasis

Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture.....	3

Introductory courses

AGRI 161	Introduction Plant Science or	
AGRI 162	Introduction to Soils	5

Core courses

AGRI 254	Integrated Pest Mgt.....	5
AGRI 261	Plant Science.....	5
AGRI 263	Soil Science	5

Elective courses

Elective Ag course	5
200-level courses in pathway.....	15

GER courses

ENGL& 101	English Composition I	5
MATH 105	College Algebra	5
Humanities	10	
Natural Sciences	15	
Social Sciences	15	

Total credits	50
Degree Total	93

Non-Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture.....	3

Introductory courses

AGRI 161	Introduction to Plant Science or	
AGRI 162	Introduction to Soils	5

Core courses

AGRI 254	Integrated Pest Mgt.....	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils	5

Elective courses

AGRI 196	Cooperative Work Experience	5
AGRI 296	Cooperative Work Experience	5
AGRI 241	Farm and Ranch Management.....	5
200-level courses in pathway.....	20	

GER courses

ENGL 100	Writing in the Workplace.....	5
MATH 100T	Technical Math	5
READ 100	Technical Reading.....	5
BUS& 101	Introduction to Business	5
BIOL& 100	Survey of Biology.....	5
BIT 105	Computer Applications	5
CMST& 220	Public Speaking	5

Total credits	35
Degree Total	93

Sample Pathway for Tree Fruit Production Emphasis

Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture	3

Introductory courses

AGRI 161	Introduction to Plant Science or	
AGRI 162	Introduction to Soils	5

Core courses

AGRI 254	Integrated Pest Management.....	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils	5

Elective courses

AGRI 255	Orchard Integrated Pest Management	5
AGRI 262	Introduction to Pomology	5
AGRI 264	Tree Fruit Production I	5
AGRI 265	Tree Fruit Production II	5
AGRI 266	Tree Fruit Production III.....	5
AGRI 196	Coop Work Experience	1-5

GER courses

ENGL& 101	English Composition I	5
MATH 105	College Algebra	5
Humanities	10
Natural Sciences	15
Social Sciences	15

Degree total 99-103

Non-Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture	3

Introductory courses

AGRI 161	Introduction to Plant Science or	
AGRI 162	Introduction to Soils	5

Core courses

AGRI 254	Integrated Pest Management.....	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils	5

Elective courses

AGRI 196	Cooperative Work Experience	5
AGRI 296	Cooperative Work Experience	5
AGRI 241	Farm and Ranch Management	5
AGRI 262	Introduction to Pomology	5
AGRI 264	Tree Fruit Production I	5
AGRI 265	Tree Fruit Production II	5
AGRI 266	Tree Fruit Production III.....	5
AGRI elective	5

GER courses

ENGL 100	Writing in the Workplace.....	5
MATH 100T	Technical Math	5
READ 100	Technical Reading.....	5
BUS& 101	Introduction to Business	5
BIOL& 100	Survey of Biology.....	5
BIT 105	Computer Applications	5
CMST& 220	Public Speaking	5

Degree total 98

Sample Pathway for Sustainable and Organic Agriculture Emphasis

Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture	3

Introductory courses

AGRI 161	Introduction to Plant Science or	
AGRI 162	Introduction to Soils	5

Core courses

AGRI 254	Integrated Pest Management.....	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils	5

Elective courses

AGRI 255	Orchard Integrated Pest Management	5
AGRI 289	Sustainable Ag and Food Systems.....	5
200-level Organic Ag courses		10

GER courses

ENGL& 101	English Composition I	5
MATH 105	College Algebra	5
Humanities		10
Natural Sciences		15
Social Sciences		15

Degree total **93**

Non-Transfer

Tech Prep courses

AGRI 101	Ag Survey or	
AGRI 108	Introduction to Horticulture	3

Introductory courses

AGRI 161	Introduction to Plant Science or	
AGRI 162	Introduction Soils.....	5

Core courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils	5

Elective courses

AGRI 255	Orchard Integrated Pest Management	5
AGRI 289	Sustainable Ag and Food Systems.....	5
200-level Organic Ag courses		10
200-level electives		20

GER courses

ENGL 100	Writing in the Workplace.....	5
MATH 100T	Technical Math	5
READ 100	Technical Reading.....	5
BUS& 101	Introduction to Business	5
BIOL& 100	Survey of Biology.....	5
BIT 105	Computer Applications	5
CMST& 220	Public Speaking	5

Degree total **98**