

# AGRICULTURE, FOOD & NATURAL RESOURCES

CTE Program of Study at:

▪ *Richland High School*



The **Agriculture, Food and Natural Resources** cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher and veterinarian to geologist, land conversationalist and florist. It includes non-traditional occupations like wind energy, solar energy, and oil and gas production.

This Program of Study can serve as an educational and career guide as you continue down the career path right for you! Courses listed are only recommended courses and should be individualized for your specific educational and career goals in accordance with your school district's graduation requirements and High School and Beyond Plan.



\*Eligible for Columbia Basin College CTE Dual Credit  
• Eligible for "Two-for One" credit

## Recommended GenED Courses:

### English (4 credits):

LA 9 → LA 10 → American Literature → Senior Literature

### Math (3 credits):

Algebra 1 → Geometry → Algebra 2

### Science (3 credits):

Biology/Advanced Plant Science → Chemistry/Animal Science  
→ Physics/Chemistry

### Social Studies (3 credits):

World Geography → U.S. History 1&2 → Social Studies Choice

### Health & Fitness (2 credits):

PE/Health → PE

### Arts (1 credit):

Floral Design 1&2 •

### Career & Technical Education (1 credit):

Intro to Agriculture, Food & Natural Resources •

### Graduation Requirement (0.5 credits):

Careers in Financial Literacy\*

## Personalized Program Pathway:

### Program Courses (7 credits):

Agriculture Business  
Animal Science\* •  
Advanced Plant Science\* •  
Sustainable Technology  
Work Based Learning  
Foreign Language/PPR (2 credits)

### Other Recommended Courses:

Microsoft Office Specialist 1&2\*, Innovation Space,  
Digital Design and Fabrication\*, Metals Technology 1&2

# GRADUATION PATHWAY

The CTE Course Sequence is one of the Washington State Graduation Pathway options students may use to meet their Grad Pathway requirement. Students who complete 2 credits of courses within the same CTE program area will meet this graduation requirement, as long as the following is met:

- one course leads to a state or nationally recognized certificate or credential, or offers dual credit through CTE Dual Credit or Advanced Placement.
- Sequence is relevant to the student’s post-secondary goals, as outlined in their High School and Beyond Plan.

For more information on the CTE Graduation Pathway, see your high school counselor.

## CONTINUE YOUR PROGRAM LOCALLY



### DUAL CREDIT AT COLUMBIA BASIN COLLEGE

*Accelerate Your Program of Study with CTE Dual Credit*

CBC’s CTE Dual Credit program saves you time and tuition by earning college and high school credits at the same time. Students gain valuable hands-on experience and get a head start on industry credentials and/or college degrees.

Where Does CBC CTE Dual Credit Lead?				
	Hydroponics & Greenhouse Management	AAS in Agriculture Production	AAS in Agribusiness	BAS in Applied Management, Agriculture
Animal Science	✓		✓	✓
Plant Science	✓	✓	✓	✓



### PROGRAM PATHWAY AT TRI-TECH

Tri-Tech Skills Center is an extension of your “home” high school. Students spend 3 periods a day at Tri-Tech and 3 periods at their high school. Tri-Tech program length runs from 1 to 2 years and most have a college credit option. Speak to your counselor for more information about programs at Tri-Tech.

#### **Agriculture corresponding Tri-Tech Programs:**

Pre-Veterinary Technician