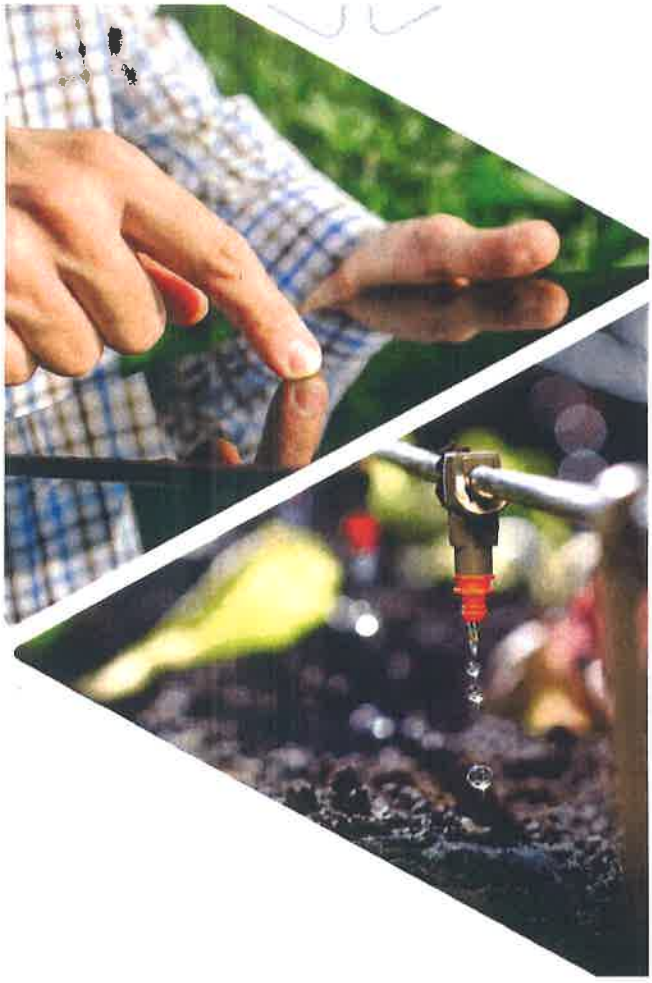
PRECISION IRRIGATED AGRICULTURE



What if you could operate an entire farm with your smart phone or fly an unmanned aerial vehicle (UAV) to scout a field? Precision Irrigated Agriculture technicians have unique skills in agricultural production and computer technology that enable them to design and operate precision irrigation systems using cutting-edge technology. They also evaluate fields and make management decisions using advanced tools like Global Positioning Systems (GPS), Geographic Information Systems (GIS), infared, and automated sensors.
This new technology helps reduce production costs and improve yields, making agriculture easier, more accurate and more profitable.

Career Opportunities with Local Industries:

- Farm Manager
- Irrigation Manager
- Farm Data Analyst
- Precision Irrigation Customer Service
- Precision Ag Sales Associate
- Crop Consultant

Estimated Salary

$30,000 - $65,000 a year

Degree

Associate of Applied Science (AAS) in Precision Irrigated Agriculture (93 credits)

Certificates

Irrigation Technician I (18 credits)
Irrigation Technician II (44 credits)
Farm Manager (44 credits)
Data Analyst (44 credits)

Course Delivery

Live lectures with hands-on training at BMCC's Precision Irrigated Agriculture facility in Hermiston and other locations. Start any term!

LEARN MORE • www.bluecc.edu

Contact

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PRECISION IRRIGATED AGRICULTURE

Precision Irrigated Agriculture AAS

Year 1

Term 1: Fall
Agriculture Safety
Cooperative Work Experience
Introduction to Precision Irrigated Agriculture
Irrigated Crops
Plant Science
Electrical Fundamentals for Non-Electricians

Term 2: Winter
Human Communication
Concepts of Computing
Introduction to Geographic Information Systems
Electric Motor and Controls Troubleshooting

Term 3: Spring
Cooperative Work Experience
Alternative Crop Production
Programmable Logic Controllers
Elementary Algebra
Introduction to Technical Writing

Year 2

Term 4: Fall
Geospatial Data Collection
Precision Irrigation Software
Business Ethics
Cooperative Work Experience
Precision Ag Elective

Term 5: Winter
Irrigation Systems Design
Pre-Employment Seminar
Soils and Fertilizers
Pest Management
Precision Ag Elective

Term 6: Spring
Irrigation Systems
Agricultural Spatial Analysis
Principles of Crop Science
Cooperative Work Experience
Integrated Pest Management

Career Pathways Certificates

Technician I
Introduction to Precision Irrigated Agriculture
Agriculture Safety
Pest Management
Soils and Fertilizers
Irrigation Systems
Precision Agriculture Elective

Note: In addition to the courses detailed, the Technician I, Farm Mgr. and Data Analyst Programs also include:

Agriculture Safety, Introduction to Precision Irrigated Agriculture, and Soils and Fertilizers

Technician II
Tractors
Precision Irrigation Software
Electrical Fundamentals for Non-Electricians
Metals and Welding
Irrigation Systems Design
Pumps and Valves
Electric Motor and Controls Troubleshooting
Irrigation Systems
Cooperative Work Experience
Principles of Crop Science
Programmable Logic Controllers
Elementary Algebra

Farm Manager
Cooperative Work Experience (2 courses)
Business Ethics
Irrigated Crops
Precision Irrigation Software
Irrigation Systems Design
Agriculture Business Management
Pest Management
Agriculture Machinery
Principles of Crop Science
Integrated Pest Management
Elementary Algebra

Data Analyst
Introduction to Contemporary Mathematics or College Algebra
Geospatial Data Collection
Precision Irrigation Software
Irrigation Systems Design
Introduction to Geographic Information Systems
Introduction to Remote Sensing
Introduction to Probability and Statistics
Agricultural Spatial Analysis
Introduction to Unmanned Aerial Vehicles
Principles of Crop Science
Cooperative Work Experience

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