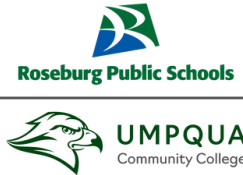


# CAREER PATHWAYS

Grow here. Learn here. Work here.



## Mechatronics

Mechatronics is a type of engineering field that refers to the skill sets needed in a modern, advanced, and automated manufacturing industry. At the intersection of mechanics, electronics, and computing, mechatronics specialists create simpler and smarter processes. Learn to incorporate robotics, control systems, and electro-mechanical systems to be a part of the growing automation and manufacturing industry.

### CAREER HIGHLIGHTS

#### JOB TYPES:



- |                                 |                               |
|---------------------------------|-------------------------------|
| <b>Mechatronics Technician</b>  | <b>Robotics Technician</b>    |
| <b>Agriculture Technician</b>   | <b>Millwright</b>             |
| <b>Manufacturing Technician</b> | <b>Electromechanical Tech</b> |
| <b>Solar Technician</b>         | <b>Automation Technician</b>  |



**SALARY RANGE: \$40,520 to \$68,730**

#### LOCAL INDUSTRY:



- |                                 |                       |
|---------------------------------|-----------------------|
| <b>Orencia Systems</b>          | <b>Swanson Group</b>  |
| <b>Roseburg Forest Products</b> | <b>DC Forest Prod</b> |
| <b>7 Robotics</b>               | <b>Murphy Plywood</b> |
| <b>Con-Vey</b>                  | <b>And more!</b>      |



**TWO PATHWAYS AVAILABLE:**  
**Mechatronics Certificate**

**54 credits required**  
One year of community college



**Mechatronics AAS Degree**  
**92 credits required**  
Two years of community college

# Mechatronics Pathways

CERTIFICATE	RHS	AAS DEGREE
Intro to Welding	GRADE 9	Intro to Welding
Engineering Graphics (WLD140) Intro to CAD (DRF112) Intermediate Welding 1 (WLD101)	GRADE 10	Engineering Graphics (WLD140) Intro to CAD (DRF112) Intermediate Welding 1 (WLD101)
CTE Math (MTH102/103) CAD for Mechanical Design (DRF113) Intermediate Welding II (WLD111/112)	GRADE 11	CTE Math (MTH102/103) CAD for Mechanical Design (DRF113) CAD for Manufacturing Intermediate Welding II (WLD111/112)
CAD for Manufacturing CTE Writing (WR115)	GRADE 12	Mechanical Design (ENGR245) CTE Writing (WR115)

Graduate from Roseburg High School and enroll at UCC

MEC101 Intro to Mechatronics WR115 Intro to Expo or^ *TECH Elective DRF/MFG/WLD	YEAR 1 FALL	MEC101 Intro to Mechatronics PSY101 Psych Human Relations COM105 Listening
MTH102 Math for the Trades WLD140 Blueprint Reading MEC222 Hydraulics and Pneumatics *TECH Elective DRF/MFG/WLD	WINTER	MEC 120 Industrial Safety WLD140 Blueprint Reading MTH102 Math for the Trades WR115 Intro to Expo or^
PSY101 Psych Human Relationships MEC118 Preventative Maint MEC225 Programming 2 *TECH Elective DRF/MFG/WLD	SPRING	MFG108 Starret PMI Metrology MEC118 Preventative Maint WLD101 Welding Process Application ENGR245 Engineering Graphics



**Mechatronics  
Certificate**

YEAR 2  
FALL

MEC201 Composites  
MEC224 Controls and Instruments  
\*TECH Elective DRF/MFG/WLD

WINTER

MEC222 Hydraulics and Pneum  
MEC219 Robotics  
\*TECH Elective DRF/MFG/WLD

SPRING

MEC280 CWE  
MEC225 Programming 2  
MEC229 Capstone  
\*TECH Elective DRF/MFG/WLD



**Mechatronics  
AAS Degree**