

Occupational Endorsement Certificate in Valve Repair and Maintenance

This program is delivered only through Kenai Peninsula College.

The Occupation Endorsement Certificate in Valve Repair and Maintenance prepares students for work as an entry-level valve technician.

Admission Requirements

- Complete the Admission Requirements for Occupational Endorsement Certificate. (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>)

Graduation Requirements

- Complete the General University Requirements for Occupational Endorsement Certificates. (<http://catalog.uaa.alaska.edu/undergraduateprograms/oecrequirements/>)
- Complete the following major requirements:

| Code | Title | Credits |
|--------------|---|-----------|
| PETR A130 | Remotely Actuated Valves ¹ | 4 |
| PETR A131 | Mechanically Actuated Valves ² | 2 |
| PETR A155 | Process Industry Basics ³ | 3 |
| PRT A140 | Industrial Process Instrumentation I | 3 |
| Total | | 12 |

¹ *PETR A130 presented "online" but includes five on-site 8-hour hands-on sessions of practical instruction.*

² *PETR A131 presented "online" but includes two on-site 8-hour hands-on sessions of practical instruction.*

³ *PETR A155 presented "online" but includes four on-site 8-hour hands-on sessions of practical instruction.*

A minimum of 12 credits is required for the certificate.

Program Student Learning Outcomes

Students graduating with an Occupational Endorsement Certificate in Valve Installation and Maintenance will be able to:

- Describe general troubleshooting techniques and repair procedures for remotely actuated valves.
- Describe general troubleshooting techniques and repair procedures for mechanically actuated valves.
- Describe alignment techniques for remotely actuated valves.
- Describe negative feedback control of a remotely actuated valve in a closed loop control system.

- Identify various hand tools and their safe use in valve maintenance and repair procedures.