

BridgeValley Community & Technical College IMC Gas Measurement

September 15, 2025

Program Summary

Instrumentation, Measurement & Control Technology program (Gas Concentration) develops skills for the installation, maintenance, calibration and troubleshooting of systems used to measure and control the flow, level, temperature and pressure in automated industrial processes in the chemical, oil and gas industry. Courses combine technical theory, use of state-of-the-art equipment, and hands-on experience necessary to work in industrial instrumentation fields across the state and throughout the country, including chemical operations, upstream, midstream and downstream oil and gas, petrochemical, and power generation industries.



Strengths & Noteworthy Practices

The BridgeValley IMC program is closely aligned with workforce needs and prepares students well for entry-level technician roles. Employer engagement is a standout strength: faculty bring deep industry connections, an active advisory board provides regular input, and students gain direct exposure through site visits and professional interactions. Courses emphasize hands-on learning with industry-standard tools and protocols, while integrating regulatory compliance, calibration, diagnostics, and troubleshooting. This ensures that technical training matches exactly what employers expect new hires to know and do.

Career preparation is also built into the program, with résumé writing, mock interviews, and strong student support services helping learners transition smoothly into the workplace. By combining technical rigor with applied problem-solving and exposure to real-world industry standards, the program gives students both the skills and the confidence to contribute immediately in gas and utility careers.

