

PROCESS TECHNOLOGY CHEMICAL TECHNICIAN, ENHANCED SKILLS CERTIFICATE



Program Information

If you have a technical mind, you are in luck. Houston is home to the largest petrochemical and refining complex in the nation, and the demand for skilled process technicians continues to grow! Our graduates enter the workforce with the necessary skills that are highly prized by companies that continually hire students directly out of our program.

The San Jacinto College Associate of Applied Science (AAS) degree in Process Technology:

- Prepares students to become plant operators responsible for equipment, the hazards of the chemicals, and the chemistry and physics involved in process technology;
- Works in the LyondellBasell Glass Distillation Plant laboratory. This world-class plant offers real-world scenario experience as a fully functional unit. Most importantly, students will engage in a work-based learning environment that they will see in a plant environment. The learning experience is enhanced as the internal workings of the process are transparent. Thanks to industry support, this is another positive addition to the many labs dedicated to this program;
- Teaches students to read piping and instrumentation diagrams (P&IDs), identify and troubleshoot equipment, operate simulators, and as a capstone course, run the Propylene Glycol Distillation Unit, which is PTAC 2438 Process Technology III - Operations;
- Earns industry support as students graduating from the program are endorsed by the North American Process Technology Alliance (NAPTA);
- Is recognized by the Texas Skill Standard Board (TSSB). Upon graduation with an AAS in Process Technology, students will earn the Texas Skill Standards recognized program seal affixed to their AAS credential; and
- Has participated and won the NAPTA National Troubleshooting Competition Championship three years in a row 2017, 2018, and 2019. In 2020 the event was cancelled due to COVID. In 2022 San Jacinto College placed second.

Career Opportunities

Graduates of the San Jacinto College Process Technology program have the opportunity to work in:

- Chemical plants,
- Refineries,
- Wastewater treatment plants,
- Canneries,
- Pharmaceutical plants,
- Paper mills,
- Terminals,
- Pipelines, and
- Fuel storage depots.

Earning Potential

Chemical Plant and System Operators: \$103,624 per year¹

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2023

For more information, students may contact:

Department Chair - 281-998-6350, x1188. Direct Line Office: 281-478-2712
- shawn.dickerson@sjcd.edu

Campus

Central Campus