



# ENGINEERING INTERNSHIP OPPORTUNITIES



Valero is proud to be an **employer of choice** in the energy industry, enlisting the world's best & brightest engineering professionals.



## INTERNSHIP PROGRAM OVERVIEW

- Location Assignment: Mostly at a REFINERY site, which operates 24/7, 365 days a year
- Internship Types: Summer Internships and Fall & Spring Co-Ops
- Timeframe: Summer = 12 weeks from mid-May to mid-August, 40 hrs. per week

Co-op = 16 weeks during Spring or Fall semester, 40 hrs. per week

- Engineering Focus Areas: Chemical, Mechanical, Electrical & Safety, Construction
- Program Goal: Train, invest and prepare students for future full-time work in the energy industry

## ELIGIBILITY REQUIREMENTS

- Must attend four-year accredited university
- 3.2 GPA preferred
- Minimum 60 hours college credit by start of internship

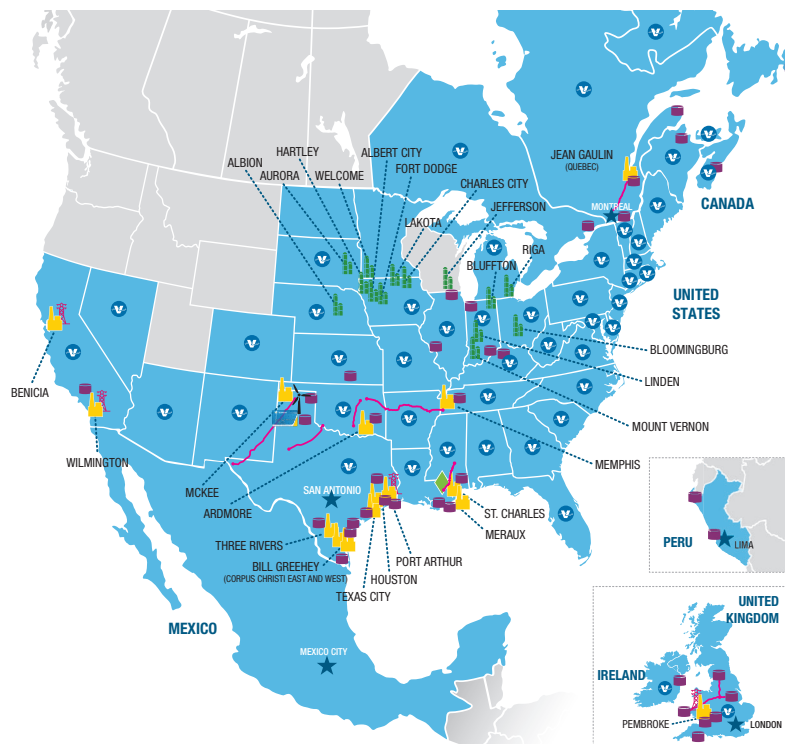
## HOW TO APPLY

Visit [www.valero.com/careers](http://www.valero.com/careers) to learn more, review full job descriptions & apply online. Search under "Intern/Co-Op Opportunities."

## Questions?

Email: [university.recruiting@valero.com](mailto:university.recruiting@valero.com)

## MAP OF OPERATIONS



- |                              |                        |
|------------------------------|------------------------|
| WHOLESALE MARKETING PRESENCE | DIAMOND GREEN DIESEL   |
| BRANDED WHOLESALE PRESENCE   | PIPELINES              |
| VALERO REFINERIES            | PAYMENT SERVICE CENTER |
| VALERO ETHANOL PLANTS        | SUNRAY WIND            |
| VALERO TERMINALS             | 4 COGENERATION PLANTS  |
| VALERO OFFICES               |                        |

## COMPETITIVE PAY & BENEFITS

- 401(k) & pension program
- Relocation assistance (qualified students)
- Company-provided health & life insurance
- Formal mentor program
- Education & career development opportunities
- Annual Summer Intern Symposium
- Wellness programs (on-site gym, wellness clinic, financial benefits)
- Community outreach / volunteer events
- Networking opportunities
- Holiday pay

# The Valero Experience: HOW WILL I MAKE A DIFFERENCE?

From business strategy & project development to refining, renewables & commercial operations, **an exciting future at Valero is within reach!** Exceptional career development and an open door for ideas leads to more **dynamic, effective & powerful results** for you and our great company.

## JOB EXPECTATIONS BY ENGINEERING AREA

### ELECTRICAL

- **Electrical (Power) Engineering:**  
Responsible for overall safety & reliability of industrial power distribution system. Supports refinery projects by developing equipment design specifications, performing engineering design reviews & providing startup/commissioning technical support. Develops & leads electrical reliability improvement initiatives.
- **Process Controls Engineering:**  
Develops & implements process control schemes in plant-distributed control system. Recommends options to improve refinery operations.
- **Instrument Engineering:**  
Provides technical expertise for specification, design, purchase & commission of process instruments. Designs instrumented systems such as programmable logic controllers & safety-rated logic solvers. Troubleshoots instrument problems for Operations & Maintenance.

### MECHANICAL

- **Reliability Engineering:**  
Troubleshoots equipment operation & maintenance problems. Analyzes equipment performance. Implements programs to improve reliability & decrease reactive maintenance.
- **Project Engineering:**  
Develops & engineers project scope for variety of capital expense and maintenance projects. Supports timely & efficient project execution.

### CHEMICAL

- **Process Engineering:**  
Works with field operators, console operators & unit managers to provide optimization, troubleshooting advice & generalized technical guidance on operating units within refinery.
- **Environmental Engineering:**  
Assists with compliance reports & emission tracking. Performs & reports daily emissions calculations. Reviews & incorporates regulatory updates.
- **Process Controls Engineering:**  
Supports refineries through control & instrument activities. Supports hardware & software platforms. Troubleshoots when necessary.

### SAFETY

- **Safety Engineering:**  
Maintains records to demonstrate compliance. Supports opportunity projects & evaluates process changes & new chemicals for safety impact or compliance.
- **Process Safety Engineering:**  
Supports development, implementation, review, audit, promotion & revision of Process Safety & Risk Management Program.

### CONSTRUCTION

- **Construction Science/Management:**  
Assists Refinery Turnaround and Capital Project groups with planning, scheduling, construction, commissioning and startup of refinery projects based on long range maintenance and strategic plans while meeting the company's safety, environmental, and economic objectives.



Turn your passion for problem-solving, excellence  
& teamwork into an exceptional future!



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