

# Internship Programs

Thank you for your interest in the Evansville Water and Sewer Utility (EWSU). Our mission is simple: to provide safe, affordable and dependable water and sewer service to the Evansville metro community.

Learn more about joining our talented team who works in engineering, chemistry, biology, accounting and construction. Interns who work with us are exposed to large-scale construction projects, sustainability concepts, frontline biological research, the chemistry of water quality, innovative approaches to \$3 billion in asset management, and digital-forward customer experiences in a municipal setting.

**Want to make a meaningful impact on your community – and the world?**

Apply online today at [ewsu.com/internships](https://www.ewsu.com/internships)

Have questions? Send an email to [intern@ewsu.com](mailto:intern@ewsu.com).



## Accounting

MAJORS: ACCOUNTING

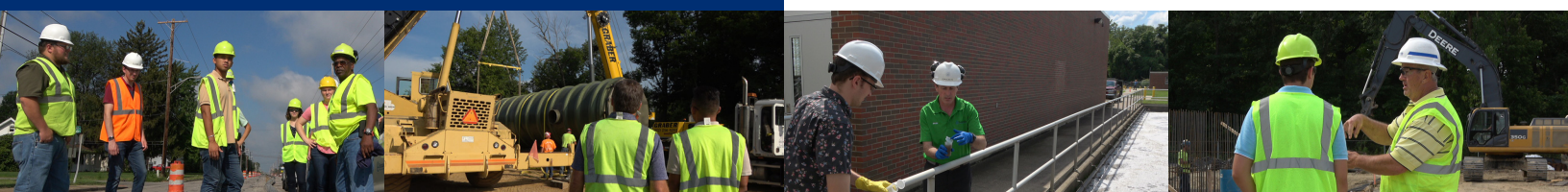
- Learn about:
  - Maintaining the Utility's capital asset accounting records
  - Regulated depreciation methods of Municipal Utilities
  - The method of tracking Construction Work in Progress (CIP) projects
  - How the accounting cycle applies to Municipal Utilities
  - How to analyze the financial statements of Municipal Utilities
  - Fleet, building and IT leases and assist with the amortization tables
  - Creating and using advanced functions of Excel
- Assist in the capitalization process and timing of CIP projects
- Conduct a physical inventory to verify the Utility's materials, supplies and other assets
- Help set up and use project accounting
- Perform a fuel analysis to try and identify cost-saving opportunities



## Information Technology (IT) & Geographic Information System (GIS)

MAJORS: COMPUTER SCIENCE OR RELATED MAJORS

- Assist GIS coordinator with map edits, field data collection and Python and JavaScript development
- Support IT projects through all phases of the software development lifecycle
- Aid IT in SQL reporting, website development, web application development, data analytics and system administration
- Build web applications with IT using .Net Core and JavaScript frameworks
- Useful for this role:
  - Object-oriented web programming (Java or .Net) courses
  - Database courses
  - Security- or ERP-related courses





## Engineering Services

**MAJORS: CIVIL ENGINEERING,  
MECHANICAL ENGINEERING**

- Lift Station Analysis
  - Collect and compare field data
  - Combine data and analytics along with modeling data to recommend improvements in line with future growth needs
- Collaborate with other departments to understand the true size of the Utility and make improvements
- Use as-built plans and GIS to update Utility information and analysis

### **MAJORS: MECHANICAL ENGINEERING, CIVIL ENGINEERING, COMPUTER SCIENCE, OR RELATED MAJORS**

- Aid in the validation of the Utility's vertical asset registry data
- Participate in future vertical asset data collection field work
- Participate in partnerships to ensure an interdepartmental approach to vertical asset management



## Regulatory Compliance

**MAJORS: BIOLOGY, CHEMISTRY,  
ENVIRONMENTAL ENGINEERING**

- Coordinate projects associated with the studies and treatment of water/wastewater
- Support laboratory work and sample collection
- Assist with monitoring and inspecting industrial entities
- Develop standard operating procedures for new equipment
- Collaborate with other EWSU departments
- Engage the community to help ensure water quality



## East Wastewater Treatment Plant

**MAJORS: BIOLOGY, CHEMISTRY,  
ENVIRONMENTAL SCIENCE OR RELATED MAJORS**

- Learn and work with wastewater treatment processes and controls
- Conduct physical, chemical, and biological water quality analysis
- Work within the Water Information Management System (WIMS)
- Participate in alternative technology studies and trials



## Program Management Office

**MAJORS: CIVIL ENGINEERING**

- Research project limits for existing infrastructure
- Within AutoCAD Civil 3D 2022:
  - Create alignment
  - Design preliminary layout for new infrastructure route
  - Create pipe networks for existing and proposed pipes
  - Develop plans and profile sheets
- Develop project specifications, including:
  - Itemized bid proposals
  - Front-end documents
  - Project details

### **MAJORS: OCCUPATIONAL SAFETY AND HEALTH**

- Assess all safety aspects of the Evansville Water and Sewer Utility construction projects
- Identify and document all observations, necessary controls and related OSHA standards
- Provide a written executive summary at the conclusion of the internship period
- Conduct a thorough risk assessment of EWSU operations to identify areas of high risk and weaknesses or exposures
- Train EWSU construction crews on trench safety with emphasis on hazards, proper trench shield installations and cave-in protection

### **MAJORS: CONSTRUCTION MANAGEMENT, CIVIL ENGINEERING**

- Take daily field observation notes and construction photographs
- Observe contractor means and methods of construction
- Attend bi-weekly progress meetings
- Oversee compliance of contract documents