



# INTERNSHIP & CAREER SERVICES

HOWARD R. HUGHES COLLEGE OF ENGINEERING

## MECHANICAL ENGINEER II HVAC

**Posting ID:** E080416

**Company Website:** <http://brwnncald.com>

**Company:** Brown and Caldwell

**Work Location:** Charlotte, NC

**Position Type:** Full-Time

**Salary:**

**College Major(s):** Mechanical Engineering (ME)

**College Level(s):** Undergraduate-Senior

### OVERVIEW

We currently have an exciting opportunity for a self-motivated mechanical engineer with 2-5 years of experience to join us in our Charlotte, NC office. The successful candidate should have an interest and familiarity with mechanical engineering as it pertains to municipal and industrial plant design (HVAC, equipment, plumbing piping, controls and other water processes) for the water industry (wastewater, potable water, and surface water). You will work with and be mentored by strong, nationally recognized, senior technical staff on various environmental-related projects.

#### Roles and Responsibilities

The successful candidate will support projects locally, regionally, and nationally and will have strong verbal and written communication skills, be highly organized and responsive, capable of working in a diverse team environment, and able to handle multiple tasks with competing priorities. Responsibilities may include:

- Perform engineering work with the building mechanical and water/wastewater engineering groups
- Work on engineering designs preparing reports, construction plans, specifications, calculations, equipment selection, and cost estimates for various projects
- Check performance or conformity with plans and specifications through field inspection and testing
- Assist with the preparation of technical memoranda, reports and electronic deliverables
- Assist with studies, permitting and alternative analysis
- Duties may also include field activities such as site investigations
- Data collection, manipulation, analysis, and documentation

#### Education and Qualifications

- B.S. degree in Mechanical Engineering required
- Engineer in Training registration is required, P.E. a plus
- Experience in HVAC and plumbing piping required
- Experience in process piping and flow of process fluids (Newtonian water, sludge, grit) plus
- Valid driver's license and good driving record may be required

- Experience using engineering calculation software (MathCAD, Excel, Pipe-Flo, EnergyPro) preferred
- Experience using general office software for communications (MS Word and MS Outlook)

**Preferred Skills**

- 2-5 years of experience in consulting engineering preferred
- Good written and verbal communication skills essential
- Candidate should be able to show a history of broad learning and willingness to work hard
- Candidate should be a self-starter, results-oriented and be able to work under tight deadlines

**How to Apply**

Visit

<http://chp.tbe.taleo.net/chp04/ats/careers/jobSearch.jsp?org=BROWNCALDWELL&cws=1>  
and select Charlotte North Carolina.