

**Job Title: Mechanical Professional Engineer**

**Company: Abacus Engineering**

**Location: Waco, TX**

**About Abacus Engineering:**

Abacus Engineering has been a trusted Full Service Engineering firm in Waco for three decades, fostering strong relationships and delivering timely, high-quality work. With new ownership, we're excited to continue our legacy of excellence and service to the community.

**Position Overview:**

We're seeking a talented Mechanical Professional Engineer (PE) with a focus on designing, building HVAC systems to join our team. As a Mechanical PE at Abacus Engineering, you'll play a crucial role in creating efficient and sustainable mechanical solutions for our diverse range of projects.

**Responsibilities:**

- Lead the design and engineering of HVAC systems for building projects, including heating, ventilation, air conditioning, and refrigeration systems.
- Conduct load calculations, energy modeling, and performance simulations to optimize system efficiency and meet project requirements.
- Prepare detailed mechanical drawings, specifications, and construction documents using software such as AutoCAD or Revit.
- Collaborate closely with architects, electrical engineers, and other stakeholders to integrate mechanical systems seamlessly into building designs.
- Perform site visits and inspections to assess existing HVAC infrastructure, identify opportunities for improvement, and ensure compliance with regulatory standards.
- Provide technical guidance and mentorship to junior engineers and support staff.
- Stay updated on industry advancements, codes, and best practices in mechanical engineering.

**Qualifications:**

- Bachelor's degree in Mechanical Engineering or related field. Master's degree preferred.
- Licensed Professional Engineer (PE) in the state of Texas.
- Minimum of 5 years of experience in mechanical engineering with a focus on HVAC system design.
- Proficiency in HVAC design software such as Carrier HAP, Trane TRACE, or similar.
- Strong knowledge of relevant codes and standards (ASHRAE, IMC, IPC, etc.).

- Excellent communication and interpersonal skills, with the ability to collaborate effectively with multidisciplinary teams and convey technical concepts to non-technical stakeholders.
- Proven track record of delivering high-quality work on schedule and within budget constraints.

**Why Join Abacus Engineering:**

- Opportunity to work with a reputable firm with a longstanding presence in the Waco community.
- Engaging and challenging projects that offer professional growth and development opportunities.
- Supportive and collaborative work environment where your contributions are valued and recognized.
- Competitive salary and benefits package commensurate with experience and qualifications.
- Opportunity to make a positive impact on the built environment of Waco and contribute to the continued success of our firm.

**To Apply:**

Please submit your resume, cover letter, and portfolio (if applicable) to [office@abacusengineers.com](mailto:office@abacusengineers.com)