

## DESCRIPTION

KCL Engineering is an entrepreneurial company with an award-winning culture, flexible work style, and an ingenious team that is unmatched in the consulting engineering industry. Our model emphasizes personal as well as professional fulfillment and makes job satisfaction the top priority.

Our Scottsdale office is seeking a Senior Mechanical Engineer with at least seven years of experience. This role is responsible for the analysis and design of mechanical systems for KCL Engineering that meet KCL Engineering standards, client expectations and system budget. Work within department, office, and company teams to produce design documents. Provide consultation and construction administration for systems designed. Perform project management duties and participate in business development and office growth activities.

## ESSENTIAL DUTIES

- Assist in marketing for potential projects. Proactively pursue projects with new and existing clients.
- Maintain client satisfaction
- Participate in project interviews
- Conduct field surveys for new or proposed projects
- Demonstrate an understanding of the client's business and an in-depth knowledge of responsibilities and relationships between owner, consultant, contractors, and suppliers in order to protect client's interest.
- Perform design calculations and code research
- Discuss design concepts with client; write and edit specifications for system design
- Work with engineers and other disciplines in creating drawings and utilizing computer aided design programs
- Supervise and provide support to engineers and designers
- Provide costing estimates for systems assigned
- Communicate and coordinate work in progress with team members, and be able to work on multiple projects at the same time
- Create schematic, design development, and construction documents for mechanical systems
- Review documents for accuracy, cross check with other trades, and coordinate with mechanical, electrical, structural, and architectural personnel
- Make site visits to projects during construction phase
- Review shop drawings
- Perform construction administration responsibilities
- Troubleshoot problems and communicate with appropriate parties
- Maintain CAD, Revit, and KCL Engineering standards
- Keep abreast of changes, new technology and trends in the area of expertise and recommend changes and new services as appropriate.
- Participate and lead quality control reviews
- Participate as a team member, contributing ideas and possible solutions, while providing opportunities for leadership development.
- May require work or attendance at meetings beyond normal workday.
- Ability to operate computer and various other office, software, and engineering tools/equipment.
- Strengthens and builds relationships with clients in order to drive company growth.
- Maintain schedule and meet deadlines

## REQUIRED KNOWLEDGE/ABILITIES

- Independent judgements such as setting task priorities, evaluating results, coordinating with others, etc.
- Skills in understanding, explaining, teaching, and influencing people are important to achieving job objectives, causing action, or understanding in others
- Requires in depth knowledge of own discipline (electrical, mechanical, structural, or information systems) and a knowledge of construction in general.
- Requires the ability to integrate theoretical and practical information and apply that information for construction projects
- Excellent communication and human relation skills
- Ability to solve a variety of complex problems where only limited standardization exists, or in the absence of technical guidelines or precedents
- Requires a commitment to quality and teamwork

## QUALIFICATIONS

- Bachelor of Science in Engineering preferred, but not required.
- Minimum of seven years of progressively responsible experience.
- PE License preferred, but not required.

## SPECIAL CONDITIONS OF EMPLOYMENT

Work environment characteristics described are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Additional job requirements include

- Occasional evening hours and overnight travel
- Construction site visits and potential exposure to job site hazards
- Valid driver's license is required for travel to and from meetings (via personal or rental)

---

Aside from our award-winning culture, did we mention our award-winning benefits?

KCL offers 100% paid medical insurance premiums, generous HSA contributions, 401K, company paid life insurance, short-term disability, and long-term disability plans. Optional employee paid dental and vision plans are available for purchase. We also offer an outstanding PTO plan, parental leave, five paid holidays plus a holiday shutdown from Christmas Eve through New Years Day.