



INTERNSHIP & CAREER SERVICES

HOWARD R. HUGHES COLLEGE OF ENGINEERING

INTERNSHIP/JOB OPPORTUNITY

Posting ID:

Company: Atkins

Company Website: www.atkinsglobal.com

Job Title: Water Resources Engineer I or II

Work Location: Henderson, NV

Position Type: Full-Time Employment

Salary: N/A

College Major(s): Civil Engineering

College Level(s): Graduates (E.I.)

OVERVIEW

Atkins has been providing infrastructure planning, engineering, construction, environmental consulting, urban planning, architecture, and program management services to public and private clients across the United States for more than 50 years.

Globally, Atkins is the largest UK-based engineering and design consultancy and one of the world's largest design firms with nearly 18,000 employees worldwide. We have the depth and breadth of expertise to respond to the most technically challenging and time-critical infrastructure projects and the urgent transition to a low-carbon economy.

Atkins seeks an energetic and highly motivated self-starter to join our **Henderson, NV** office as a **Water Resources Engineer I/II**.

Under supervision, applies technical professional proficiency to the investigation of engineering problems, the coordination of project activities, and the preparation of preliminary plans and documents. On design assignments, progresses toward learning how to clearly convey the design intent through engineering drawings and specifications. On engineering and planning assignments, continues to develop a knowledge of the fundamentals of engineering processes and to apply them successfully to operating systems. On construction assignments, continues to develop an understanding of construction methods and the translation of engineering plans and specifications into constructed product. Upholds engineering ethics and standards of conduct.

JOB DUTIES

As a Water Resources Engineer, the applicant will develop and complete new hydrologic and hydraulic (H&H) analyses. The H&H analyses will be completed to conform to FEMA National Flood Insurance Program (NFIP) guidelines and specifications. Floodplain mapping will be completed using the results from the hydraulic analyses along with digital terrain data. These tasks will involve the use of various H&H engineering software as well as Geographic Information Systems (GIS) software. Engineering databases, reports, and work maps will be developed and completed by the applicant, under the supervision and direction of a registered professional engineer.



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In addition to the tasks listed above, the applicant will also complete and/or assist senior engineers with various engineering projects related to water resources and civil engineering. These projects may include, but are not limited to, storm water planning and design, watershed master plans, land development drainage studies, flood control facility design, and transportation drainage plans.

Assignments have clear and specified objectives and require the investigation of a limited number of variables. Duties usually include the following:

- Designs and develops plans and drawings, which may include the development of preliminary layout and/or final drawings.
- Organizes and conducts engineering investigations and planning work which have a well-defined scope. Outlines and prepares relatively straightforward reports of sections of more complex reports, working under the periodic review of a more experienced professional.
- Provides engineering services during construction activities by reviewing shop drawings for conformance with specifications; prepares records and progress reports defining construction progress; observes construction procedures under the guidance of a more experienced professional, and evaluates the results from quality control testing.
- Researches feasibility of alternative design approaches, site conditions, and regulatory agency specifications.
- Contributes to the development of specifications and permit applications, and writes miscellaneous reports.
- Prepares preliminary man-hour, cost and material quantity estimates.
- Participates in quality control checks, maintaining quality standards in all work produced, checking computations, and/or reviewing designs and drawings performed by others.
- Coordinates with other disciplines as required.
- Performs field observations of construction where appropriate.
- Performs such other duties as the supervisor may from time to time deem necessary.

EDUCATION AND EXPERIENCE

B.S. or M.S. in Engineering. This level may be achieved by Engineers with 2 years' experience since B.S. or 1 year since M.S. The typical incumbent has 3 to 5 years' experience since Bachelor's degree.



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SPECIAL SKILLS

Good interpersonal skills and capable of developing technical writing, and communications skills. Experience with HEC-RAS, HEC-HMS, ArcGIS, SWMM, and AutoCAD, is preferred.

PROFESSIONAL REGISTRATIONS

E.I. or EIT is required.

General Competencies expected of all Professionals and Managers are as follows: Client Service, Commitment, Communication, Innovation & Continuous Improvement, Professionalism, Quality, and Teamwork.

Ability to process paper/electronic documents and utilize computer equipment; ability to communicate clearly both orally and in writing; ability to visit project sites if necessary. Job also requires ability to assemble and analyze data.

Atkins offers its employees a robust rewards package which includes: a competitive salary; a broad benefits package including medical/RX, dental, vision, life, disability, legal, hospitalization and other valuable voluntary options; generous time-off programs; flexible work schedules; 401(k) with employer match; professional and career development opportunities through our corporate university, as well as a highly-regarded tuition reimbursement program; and an unmatched culture focused on client-service, quality, and tireless pursuit of excellence in all we do. Atkins is an equal opportunity, drug-free employer committed to diversity in the workplace. EOE/Minorities/Females/Vet/Disability.

Please view Atkins Equal Opportunity Statement here:

http://axis.na.atkinsglobal.com/na/aboutus/CorporateAdministration/Documents/EEO_Statement.pdf

To Apply

https://atkinsglobal.taleo.net/careersection/atkins_corporate/jobdetail.ftl?job=NA-000358&lang=en&sns_id=mailto

Requisition number NA-000358

Questions contact Courtney Holland at Courtney.holland@atkinsglobal.com