



Design Engineer I

Position Summary:

An entry level position, an Engineer I assists senior, professional engineers in design, development, and the provision of services/products for air transportation industry clients by applying engineering principles and technologies so as to exceed clients' expectations.

Tasks:

Under the close guidance and supervision of professional engineers for all assignments, incumbent performs a variety of engineering planning, design and construction phase assignments on a range of airfield projects such as:

- Horizontal and vertical geometry
- Grading and drainage
- Erosion and sediment control
- Pavement
- Quantity take-offs
- Prepares plans and specifications
- Interprets Federal Aviation Administration and other regulatory design standards
- Prepares clear and concise reports

Knowledge, Skills and Abilities:

General Knowledge:

- Limited knowledge of basic skills in civil engineering principles, practices, and methods
- Applies prescribed techniques and procedures in accordance with established criteria
- Performs routine technical work which does not require previous experience
- Aviation knowledge or experience preferred

Technical Responsibilities and Skills:

- Collects data and gathers information or documents
- Performs standard computations or analysis
- Prepares drawings and visual aides
- Basic proficiency in Civil engineering/design/CADD software and other PC software packages typically associated with engineering required
- Basic proficiency in AutoCAD Civil 3D required

Abilities:

- Basic written and verbal communication skills
- Basic ability to follow instructions
- Basic ability to interact with other staff
- Willingness and ability to work pre-determined and unscheduled hours beyond 40 hours per week as needed



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Physical Requirements:

- Vision- near, color vision, and ability to focus:
 - Near Vision Acuity- requires clarity of vision at 20 inches or less and ability to read small text/print on documents and computer screen
 - Color – ability to identify and distinguish colors
 - Adjust focus- ability to adjust the eye to bring an object into sharp focus
- Light physical activity- requires exertion up to 20 lbs. of force and/or up to 10 lbs. of force frequently, and/or a negligible amount of force constantly to move objects
- Sitting- remains in seated position for extended periods of time
- Work under adverse conditions such as inclement weather and around heavy construction

Qualifications:

- Bachelor of Science or Master of Science Degree in Civil Engineering or Engineering Technology from an ABET/EAC accredited program
- 0 – 2 years of engineering experience; Engineer-in-Training, preferred

Attributes:

- Team player
- Quick learner and a Self-starter
- Enthusiastic, resourceful, and effective service attitude
- Comfortable working in a fast-paced and frequently changing environment with multiple and competing deadlines

Disclaimer:

The above statements are intended as only a summary of the typical functions, general nature and level of work being performed by persons in this job. It is not an exhaustive or comprehensive list of all job responsibilities, tasks, and duties. ADCI management reserves the right to amend and change, as necessary, any responsibilities, tasks or duties to meet business and organizational needs.



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I have reviewed and understood the preceding job functions required of the position should I be offered and willing to accept an offer of employment with Airport Design Consultants, Incorporated. I am prepared to meet the requirements of the position:

Without additional accommodation

With reasonable accommodation described below:

I am not prepared to meet the responsibilities of this position.

Signature

Date

Print Name