

# Structural Engineer

Cirrus Structural Engineering  
Greater Hartford, Connecticut  
Full-time or Part-time  
Pay: \$70,000 - \$95,000/year

Benefits:  
Health insurance  
Paid time off  
Professional development  
Retirement plan

Are you a licensed structural engineer that is detail-oriented and structured, but also have a sense of urgency and able to switch focus quickly? Are you interested in the art of restoration/preservation? Have you ever passed an old, rundown building and wondered about its history and the story it has to tell? At Cirrus Structural Engineering, you can help bring that history to life.

## Personal characteristics needed to be successful in this role

- Passionate for historic preservation, forensic and other unique projects
- Analytical, creative, detail-oriented and forward-thinking
- Enjoys a fast-paced environment
- A self-starter who is comfortable tackling multiple projects.
- Interested in being close to the action and contributing to the full lifecycle of projects and day-to-day business operations.

## About Our Company

We are a small structural engineering firm that services a wide variety of project types and clients with an emphasis on historic and existing buildings. We are looking for someone that is excited about growing with our company and eager for the next steps of our journey. The name "Cirrus" symbolizes our commitment to the big picture; to viewing a problem from all angles so we can identify the root cause and create customized solutions. Our passion for preservation, and our commitment to developing a deep understanding of our projects, helps us discover innovative ways to solve design challenges and preserve valuable resources.

## Summary of Responsibilities

1. Perform all aspects of production on projects:
  - Field investigations – field measurements, observation and sketching of field conditions such as movements and material deterioration, destructive and non destructive testing as needed;

- Diagnose root cause of building behavior via understanding of environmental and building system contributions; determine material reactions causing behavior by analysis of internal and external stresses on components;
  - Run structural analysis and calculations on existing or new structures;
  - Report writing and preparation of budgetary cost estimates;
  - Structural design of repair, renovation and new structures;
  - Create drawings (plans and details) - some CAD, mainly supervise drafting;
  - Write specifications;
  - Construction administration;
2. Write proposals. Checking and stamping drawings and calculations.
  3. Supervising and training Staff Engineers.
  4. Interact with others (potential new clients, existing clients, administrative staff, other project team members).
  5. Time and expense tracking and invoice coordination.
  6. Basic IT (multi-platform office, we have both Mac and PCs).
  7. Maintain and coordinate project schedules.
  8. Maintain an awareness of internal project costs relative to fees and coordinate with Principal
  9. Participate in general upkeep of small office.

*Please note that other duties may be assigned on an as-needed basis.*

### **Other Aspects of the Job**

1. Work Environment. Approximately 2/3 of work is desk/office-based; the other 1/3 of the work is field-based. During the field-based work, the employee may be exposed to work in elevated places (scaffolding, aerial lift, catwalks, etc), confined spaces (crawlspaces, attics, etc) or precarious places. They may also be exposed to outdoor weather conditions or fumes / airborne particles. While working in the field, the employee may be required to stand, walk, lift, reach with hands and arms, climb, stoop, kneel, crouch or crawl. Employee must be willing and able to wear Personal Protection Equipment such as hard hats, eye protection, fall protection and respiratory protection. All employees must comply with OSHA requirements when on a job site.
2. Flexible Schedule. Employee may determine working hours as long as core hours are maintained. Additional and non-standard hours may be required at times of heavy workload.
3. Travel. Ability to drive to jobs is required. Some long-distance (north-east), mostly day trips.

### **Essential Functions**

Historic restoration, new buildings and additions, renovations, façade engineering, adaptive reuse, forensic engineering and building materials during the entire lifecycle of a project.

## **Education, Experience, and Skills Required**

Cirrus is growing and seeks a structural engineer to join our team. Our new team member has at least 5 years of experience in structural engineering, with an MS in structural or architectural engineering. We are open to training a less experienced individual if the candidate is an otherwise excellent match. The successful candidate will hold a current structural Professional Engineering (PE) license. A valid driver's license and authorization to work in the U.S. are required.

*Cirrus Structural Engineering provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics. In addition to federal law requirements, Cirrus Structural Engineering complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.*

## **INTERESTED?**

Ready to bring your vision to Cirrus Structural Engineering? E-mail your cover letter and resume to [cirrus@cirruseng.com](mailto:cirrus@cirruseng.com) titled "CSE Engineer."