

# Civil/Structural – Mechanical Designer

## Evansville, Indiana Office

RT Patterson has an immediate opening in our expanding Evansville, IN regional office for a full-time civil/structural - mechanical designer. The ideal candidate will be a hybrid mix of a civil/structural and mechanical designer and should be able to fulfill the following requirements and responsibilities at a minimum.

### REQUIREMENTS:

Five or more years of recognized experience working as a civil/structural or mechanical designer where activities required the design of:

- general arrangements, sections, plans and details
- fabrication drawings
- steel and concrete structures
- machine details and fabrication
- piping and ductwork
- plant layouts

Knowledge of material fabrication practices and procedures.

Knowledge of construction practices and procedures.

Proficiency in verbal and written communication is required.

Proficiency with AutoCAD 2D. (3D design preferred)

Must be self-motivated and responsible, with the ability to work well with others in a team environment.

Ability to interact efficiently with engineers, owner/clients, contractors and fabricators.

### RESPONSIBILITIES:

Develop complete designs including plant layouts, general arrangements, sections, plans and details, fabrication drawings, mechanical equipment drawings, structural steel drawings, foundation/civil drawings, and machined parts with tolerances.

Assume responsibility for technical accuracy and constructability of concise detailed designs of complex projects, and work with limited supervision.

Read specifications and gather information in the field to be able to create detailed designs.

Perform basic calculations as necessary to support these designs.

Check produced and provided drawings for accuracy and consistency.