



**ESIME Ticomán
BOLSA DE TRABAJO 2012
REQUISITOS DEL PUESTO**

BT-69

FECHA DE RECEPCIÓN

15 ago 2012

FECHA DE PUBLICACIÓN

21 ago 2012

NOMBRE DE LA EMPRESA	UTC Aerospace Systems
DIRECCIÓN	Venustiano Carranza no. 238-D Desarrollo Industrial Colorado Mexicali, B.C.
RESPONSABLE:	Lic. Juan Almiray HR Representative,
TEL (S) / FAX:	686 904 7932
PUESTO SOLICITADO:	Stress Engineers level III

NOTA A EGRESADOS

Position Purpose/Objective

Conducts stress, fracture and fatigue structural analysis of aerospace components. Performs structural analysis nature using conventional hand analysis and/ computer analysis. Develops and documents structural test efforts to assess structural integrity of metallic and non-metallic aerospace products. Works to design parameters to access the structural integrity of metallic and non-metallic aerospace component parts. Provides solutions to a variety of technical problems of basic scope and complexity. Uses and validates CI tools to solve problems..

Essential Responsibilities

Working in a product development environment under the guidance of experienced Stress Engineers

Perform substantiation stress analysis on new innovative aerospace hardware and components for nacelle systems

Conduct design trades and optimization considering strength, weight, cost and producibility

Generate certification reports in compliance with FAR requirements, generate reports suitable for transmittal to Airworthiness Authority and customer, and participate in Preliminary Design Reviews (PDR) and Critical Design Reviews (CDR), and Lean Events.

Methods of analysis will include Classical Hand Calculations, Finite Element Modeling using tools such as NASTRAN & PATRAN.

Support and present to internal and external customers through written, verbal and media presentation, consult with subject matter experts within our organization and understand your impact on product metrics.

Experience Required

- Bachelor's degree in Engineering with 5+ years' experience performing stress analysis or Master's degree with 3+ years' experience.
- Background in structural analysis related to aircraft.
- Experience in classical hand analysis methods used in aerospace applications, along with Finite Element Analysis Tools such as NASTRAN & PATRAN or similar software applications are required.
- Experience in aircraft structural components static, durability and damage tolerance analysis preferred.
- Experience in a product development teams with engine / airframe companies highly desired.
- Experience of material (Composite & Metallic) or structural testing is preferred

Skills Required:

- Understanding of load paths and various aspects of airframe design using metals and composites.
- Strong technical writing and PC skills with proficiency in MS Office (Word, Excel, PowerPoint).
- Provide solutions to a variety of technical problems of basic scope and complexity.
- Expresses problems, issues, and opportunities to peers and supervision.
- Uses and validates SW and CI tools to solve problems. Awareness of assigned tasks and activities on product metrics.
- Excellent communication and presentation skills with the ability to work closely as a team with other international locations.
- Candidates must be able to communicate effectively in English, both verbally and in writing
- Candidates must have a current travel visa to enter the USA for training and event attendance purposes

INTERESADOS:
VACANTE CUBIERTA:

Interesados favor de enviar su CV a: mexicaliengjobs@utas.utc.com

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NO. DE EMPLEOS CAPTADOS EN ESTA BOLSA:
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NOTA: La persona que haya sido elegida para ocupar el puesto, favor de hacerlo saber a la Unidad Politécnica de Integración Social con el Ing. Javier Chávez González 5729 6000 Ext. 56059 y 56069, o al Email: jachavez@ipn.mx Lo anterior con la finalidad de tener un seguimiento de las vacantes que son ocupadas por los egresados de la carrera.