



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



FECHA DE RECEPCIÓN

BT-71

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 V

NOTA A EGRESADOS

Position Purpose/Objective

Serves as the prime technical contact on projects in area of expertise, and applies an extensive and diversified knowledge of structural analysis. Provides guidance to other technical disciplines and support organizations. Perform structural analysis on programs of high complexity and critical importance to the organization. Develops technical solutions to complex problems. Develops and validates standard work to solve problems. May lead a technical team or mentors less experienced engineers.

Essential Responsibilities

Working independently or as a member of a product development team.
 Perform complex, substantiation stress analysis on new innovative aerospace hardware and components for nacelle systems.
 As a team lead, you will review others work for accuracy, including compliance to best practices and assign priorities to work load
 Conduct design trades to develop technical solutions for complex problems and optimization considering strength, weight, cost & 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

Create and present to internal and external customers through written, verbal and media presentation

Serve as a subject matter expert in your discipline, manage difficult scenarios, personnel and customer expectations.

Experience Required

- Bachelor's degree in Engineering with 10+ years' experience performing stress analysis or Master's degree with 8 years' experience.
- Experience in classical hand analysis methods used in aerospace applications, along with Finite Element Analysis Tools such as NASTRAN & PATRAN or similar software applications.
- Experience in aircraft structural components static, durability, damage tolerance, EBU, Actuation System, and Nacelle analysis highly preferred.
- Experience in a product development teams with engine / airframe companies highly desired

Skills Required:

- Strong background in structural analysis related to aircraft.
- Strong understanding of load paths and various aspects of airframe design using metals and composites.
- Develop technical solutions to complex problems which require the regular use of ingenuity and creativity. Develops and validates SW to solve problems. Ability to select the best solution based on balance of product metrics.
- Expresses problems, issues, and opportunities to peers, supervision and leadership.
- Material properties and behavior (Composite & Metallic) or structural testing experience.
- Strong technical writing and PC skills with proficiency in MS Office (Word, Excel, PowerPoint).
- 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.