

## COMPUTATIONAL FLUID DYNAMICS SENIOR ENGINEER

APPLY NOW

SAVE THIS JOB

**Business Unit:** UTC Aerospace Systems

**Req ID:** 68646BR

**Date posted:** 07/09/2018

**City:** Wilson

**State/Province:** North Carolina

When the global aerospace community looks for ideas and solutions to its biggest challenges, they turn to the people of UTC Aerospace Systems. We design, invent and deliver the most advanced and diverse range of aerospace systems on the market. We are inventors. We are manufacturers. We work in space exploration, commercial air travel, defense and rescue applications. Always learning and pushing the boundaries, we are an undisputed industry leader that continually sets the bar higher and higher. Come soar with us

At UTC Aerospace Systems, we believe that innovation starts with our people. That's why we have over 8,000 engineers located in 70 sites around the globe, across 14 countries. But our Engineering organization is not just a collection of individual businesses. We use our size and expertise to create system solutions that work across all our product lines.

Our industry-leading experts are setting the standards for the aerospace industry and paving the way for the future. But as new challenges present themselves, we need fresh, creative and motivated minds to overcome these hurdles, help us break barriers and achieve new levels of innovation. Do you have what it takes to join a global, diverse organization that doesn't shy away from big opportunities? If so, we invite you to join our Engineering ranks and create the next generation of aerospace technologies. Together, we will move the world forward!

Primary Responsibilities:

- Computational fluid dynamics (CFD)
- Ability to use fundamental equations of fluids mechanics, thermodynamics, and heat transfer to n

reliable estimates before performing detailed CFD calculations

- Ability to perform 1D Flow network model calculations for single and multi-phase flows
- Experience with software to post-process, plot, and analyze results (MATLAB, Tecplot, Enight, etc.)
- Experience with commercial (or open-source) computational fluid dynamics packages (FLUENT, CFX, OpenFOAM)FORTRAN/C coding skills to generate user-defined functions (UDFs)
- Other tasks as assigned

## Qualification:

### Basic Qualifications

- 3-5 years of experience with computational fluid dynamics, 1D flow network model calculations,
- 3-5 years of experience with Matlab, Tecplot, Enight
- 3-5 years of experience with FORTRAN/C Coding skills
- 3-5 years of experience with computational fluid dynamics packages.

### Preferred Qualifications

- Attention to detail, motivated, driven and organized
- Ability to work smoothly with team members with varying levels of skills and experience
- Good written and verbal communications skills

## Education:

- Master of Science with 3-5 years of experience (after M.S), or Ph.D. in fluid dynamics, heat transfer, multi-phase flows, combustion, etc.

Nothing matters more to UTC Aerospace Systems than our strong ethical and safety commitments. As such, all U.S. positions require a background check, which may include a drug screen.

United Technologies Corporation is An Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status, age or any other federally protected class.

**Note to candidates regarding interview scams:** We'd like to make it clear that UTC Aerospace Systems never asks candidates for money. If you've been approached with a job offer that you suspect may be fraudulent, we strongly recommend you do not respond, send money or personal information. Please report any suspicious activity to [Talent Acquisition](#).

[APPLY NOW](#)

SHARE



THE IMPACT OF GREEN BUILDINGS ON COGNITIVE FUNCTION

[READ MORE](#)

NATURAL LEADER - SUSTAINABILITY @UTC

[READ MORE](#)

UTC AEROSPACE SYSTEMS - THE SKY IS THE LIMIT

[READ MORE](#)

APPLICATION STATUS

---

Already started to apply? To check your application status and job cart, click below.

[MY STATUS](#)

## YOUR SAVED JOBS

---

You have not saved any jobs

## RECENTLY VIEWED JOBS

---

You have not viewed any jobs.

## SIGN UP FOR JOB ALERTS

---

Get the latest career opportunities as soon as they become available.

[SIGN UP](#)

### WORKPLACE NOTICES

[EEO is the Law](#) | [EEO is the Law - en Español](#) | [OFCCP EEO Supplement](#) | [OFCCP EEO Supplement - en Español](#) | [E-Verify Participation](#) | [E-Verify Participation - en Español](#)  
[FMLA](#) | [Pay Transparency](#) | [EE Polygraph Protection Act](#) | [Right to Work](#) | [Right to Work - en Español](#) | [Request an Accommodation](#) | [Candidate Account Assistance](#)

IDEAS BORN TO FLY™

 **UTC Aerospace Systems**

[Home](#) | [Terms of Use](#) | [Privacy](#) | [Accessibility](#) | [Sitemap](#) | [Jobs Sitemap](#) | [utc.com](#)