

**Senior Research Engineer I (Flight Control System)**  
**Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=232260>

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Posted Mar. 4, 2024, set to expire Jul. 4, 2024

<b>Job Title</b>	Senior Research Engineer I (Flight Control System)
<b>Department</b>	School of Mechanical and Aerospace Engineering
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Mar. 4, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Aerospace/Aeronautical/Astronautics
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Flight-Control-System-_R00016374-1">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Flight-Control-System-_R00016374-1</a>
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Flight-Control-System-_R00016374-1">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Flight-Control-System-_R00016374-1</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

The eVTOL Research and Innovation Centre at School of Mechanical & Aerospace Engineering (MAE), Nanyang Technological University, Singapore, is looking for a strong candidate as Senior Research Engineer I in the area of Flight Control System.

**Key Responsibilities:**

- Design, development, and integration of avionics systems for advanced eVTOL project, ensuring

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seamless integration of avionics components with other aircraft systems.

- Oversee the design and development of avionics hardware, including sensor integration and communication interface control.
- Design a new ground station together with the supplier to operate the eVTOL
- Manage software development for avionics systems, ensuring compliance with safety and performance standards.
- Develop and implement a testing plan to verify the functionality and reliability of avionics systems.
- Conduct system testing, and troubleshooting, and participate in flight testing as needed.
- Prepare and maintain comprehensive documentation, including technical specifications, test plans, test reports and operation manual.
- Manage suppliers, and communicate project status and technical information to both technical and non-technical stakeholders.

### Job Requirements:

- Bachelor's or master's degree or Ph.D in aerospace engineering, Electrical Engineering, or a related field.
- Minimum 3 years experience in designing and implementing flight control systems for aircraft.
- Strong proficiency in control theory, dynamic modelling, and simulation tools.
- Familiar with DO 160, DO178 and DO254.
- Excellent problem-solving and analytical skills.
- Effective communication and teamwork abilities.
- Fluent English skill is a must.

We regret that only shortlisted candidates will be notified.

### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

### Contact

Singapore