

Summer School 2025

International Summer School Advanced Sustainable Aviation Technologies

Exemplary course overview

Key facts

Time period	01–12 September 2025
Registration deadline	15 August 2025
Event form	Online (01–05 September) and on site (08–12 September)
Participation fee	Free of charge
Language of instruction	English (on the level B2/C1)
Workload	90 hours, divided into virtual and on-site phases
Credits	3 ECTS credits
Certificate	Graded certificate
Target group	Master students of any discipline with a strong interest in sustainable aviation technologies





Please note that this is an exemplary course overview. The actual programme may differ.



The world is facing an enormous challenge in transferring aviation into a more sustainable and greener transport mode.

In the long run, sustainable and emission-free flights over the entire aviation sector from short range to long range operation are the current priority and require enormous research and development activities which can by no means be limited to classical aerospace disciplines. Instead, they require new interdisciplinary approaches, methods and teams covering all aspects from aerospace, from materials to structures, from energy to propulsion as well as aircraft design, electrical engineering and even economic and social sciences.

Of course, this all starts with an up to date insight in the most current state of the art in aviation. In our Summer School course, you can acquire both theoretical knowledge and practical project experience in the field



to address these grand challenges, and to connect with fellow students from different countries.

The programme is divided into two parts: The basic knowledge about methods and technologies will be given in lectures held by professors from TU Braunschweig and our partner universities as well as from aviation industry experts during the virtual phase. Afterwards, you will put your knowledge into practice. The on-site phase will consist of additional lectures in Braunschweig to gain specific insights and well as a hands-on students.

project that will be conducted in international and interdisciplinary teams, supervised by professors. The Summer School will be complemented by a rich social programme: There will already be some joint online evening events to exchange ideas during the online phase. During the on-site phase, participants will spend the afternoons taking part in activities in Braunschweig. You will get to know the city, the university's research airport as well as one of TU Braunschweig's research facilities. You will also have enough time to explore the city on your own and to get to know your fellow

Impressions of our **Summer Schools**







Braunschweig's historic centre





Free-time activities



Application

Please apply until 15 August 2025. Registration may be closed before the deadline in case the maximum of participants is reached.

Please use the application form that you can find on our website:

→ www.tu-braunschweig.de/summer-school

After filling out the form, please send it to us via email:

⊠ summerschool@tu-braunschweig.de

