

Dear prospective student,

We are happy that you consider joining the Aerospace Engineering programme at Delft University of Technology! Due to a growing popularity of our bachelor programme, however, we have unfortunately been forced to establish a numerus clausus. This means that only 440 new students can be admitted to the first year of our bachelor programme for the academic year 2023-2024. To ensure a good match between students and our educational programme, we therefore select the students that we believe fit best in our programme by means of a selection procedure.

The selection procedure consists of several steps. It is designed such that it enables us to evaluate your suitability for our programme, but also such that it provides you a realistic image of both the content and level of our programme. This way we hope to help you to decide whether or not Aerospace Engineering at TU Delft is the right study programme for you.

The outcome of the selection procedure is a ranking number, based on which you will or will not be offered a place in our bachelor programme. We determine your ranking number based on two criteria, namely motivation and academic performance. These criteria are assessed by an *Academic Attitude and Motivation Questionnaire* (criterion Motivation) and an *Academic Test* (criterion Academic Performance).

This document provides you with an overview of all the steps that are involved in the selection procedure for the bachelor programme Aerospace Engineering at TU Delft. Each step is explained in detail, and some frequently asked questions are included at the end of each section. More information will also be shared with you by email during the selection procedure, and on our online selection platform (access granted in February). *Every student who wants to enrol for the first year of our bachelor programme has to participate successfully in this selection procedure.*

The official regulations that apply to the selection procedure can be found in the documents '*Selection and Placement Regulations*' (TU general) and '*Regulation Selection Criteria and Procedure for the bachelor programme Aerospace Engineering*'.

You can find links to relevant documents and webpages on our website:

<https://www.tudelft.nl/en/ae/education/bsc-aerospace-engineering/selection-procedure/>

If after reading of this document you still have questions to which you cannot find the answer on our website, you can of course contact us:

- for questions regarding the study programme, info activities or the mini-MOOC: study-ae@tudelft.nl
- for questions regarding admission, registration and Studielink: contactcentre-esa@tudelft.nl
- for questions regarding the selection procedure: selection-ae@tudelft.nl

Good luck with the selection procedure!

The AE Selection Team

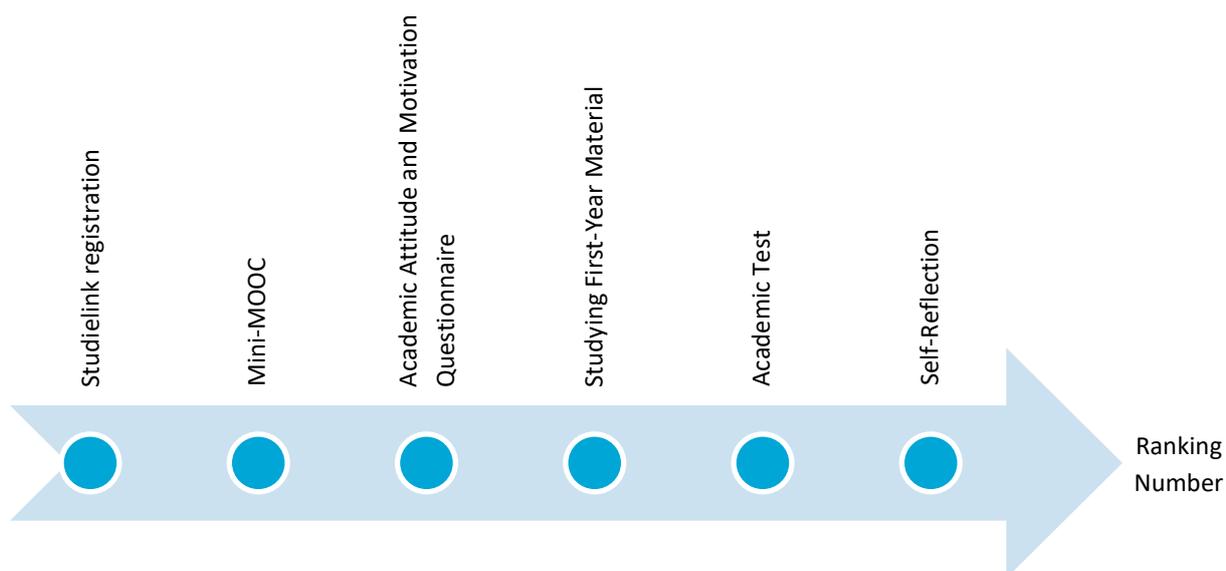
SELECTION PROCEDURE FOR THE BACHELOR PROGRAMME AEROSPACE ENGINEERING

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OUTLINE OF THE PROCESS

Below you find an overview of the different steps and important dates in the selection procedure. You will also be emailed during the selection procedure to remind you of important deadlines (except for the Studielink registration deadline). Please note that all deadlines stated in this document, and communicated to you during the selection procedure, refer to Dutch time (CET/CEST) and 24-hour clock. This also applies for Studielink and the online selection platform.



Important dates:

When	What?
15 January 2023	Deadline for registration in Studielink and (if applicable) registration in Osiris
31 January 2023	Deadline for completion of the mini-MOOC
8 February 2023	Receive email with further information about the selection procedure and access to the online selection platform
15 February 2023	Access to the First-Year Material to prepare for the Academic Test
22 February 2023	Deadline for completion of the Academic Attitude & Motivation Questionnaire
1 March 2023	The Academic Test becomes available
17 March 2023	Deadline for completion of the Academic Test
22 March 2023	Deadline for completion of the Self-Reflection
15 April 2023	Receive email with outcome of selection procedure

APPLICATION

Deadline: 15 January 2023 (CET 23:59; UTC+1)

Please direct questions regarding admission, registration and Studielink/Osiris to contactcentre-esa@tudelft.nl

If you wish to be included in the selection procedure, you need to register in **Studielink** no later than 15 January 2023. If you will *not* obtain a Dutch pre-university diploma, you must also register in **Osiris** (osiaan.tudelft.nl) and answer the questions and upload the required documents before this deadline. Failing to complete these steps in time will mean that you cannot be included in the selection procedure.

After submission of your full application, TU Delft Admission Office will verify your prior education and any additional admission requirements. If it is found that you do not meet the entrance criteria for our bachelor programme, you will be informed by TU Delft Student Administration. This also means that you will be excluded from (further participation in) the selection procedure for Aerospace Engineering.

So please note that participation in the selection procedure does not automatically mean that you meet the prerequisites for admission. The selection procedure is for *all* registered applicants and is only one of the steps towards enrolment. For any questions you have about [TU Delft Admission and Application](#), please find your answer on their [website](#) or contact TU Delft Admission Office via contactcentre-esa@tudelft.nl. The Faculty of Aerospace Engineering and the selection committee have no further involvement in this process.

FAQ application

Q: I am conditionally admitted in Osiris. Do I still need to participate in the selection procedure?

A: Yes, you *do* have to participate in the selection procedure in order to be allocated a spot. The conditional admittance means that you meet the conditions (i.e. the prerequisites) in order to be allowed into the programme. It is not a confirmation that you are allocated a place. If you do not participate in the selection procedure, you will not receive a ranking number and hence will not be allocated a place in the bachelor programme Aerospace Engineering.

Q: My status in Osiris is 'being processed'. What does this mean?

A: This means that TU Delft Student Administration still needs to validate whether you meet the prerequisites for the bachelor programme Aerospace Engineering. Only if you meet these prerequisites can you be allowed into the bachelor programme. In case of doubt, please contact contactcentre-esa@tudelft.nl.

Q: As an international applicant, do I need to upload my entire file in Osiris by the deadline of 15 January 2023?

A: Yes, you do. Otherwise your prior education cannot be validated in time.

Q: As an international applicant, I have not completed high school yet, and therefore I cannot upload my diploma in Osiris before the deadline of 15 January 2023. Can I still apply for the programme?

A: Yes, you can apply if you are in the process of completing your secondary school education. If you have not yet received your secondary school diploma, you are asked to submit an original or certified copy of your most recent transcript/list of grades in the original language. If these documents are not already in English, French, German or Dutch, a certified translation into one of these languages is required.

Q: I am already studying Aerospace Engineering at another university. Can I transfer to TU Delft?

A: No, TU Delft does not accept transfer students. If you would like to pursue the BSc Aerospace Engineering at TU Delft, you will need to apply for our programme and participate in our selection procedure. Candidates will always need to start in the first year. Alternatively, a student can complete a BSc programme elsewhere and apply for our MSc programme afterwards if the right conditions are met. We also offer exchange opportunities. For more information about exchange programmes, please contact exchange-ae@tudelft.nl.

MINI-MOOC

Deadline: 31 January 2023 (CET 23:59; UTC+1)

All applicants who participate in the selection procedure must complete the online [mini-MOOC 'Bachelor Aerospace Engineering'](#). This is a 3-hour online introductory course in which you will get an impression of the course material that is covered during the first year of the bachelor programme. The purpose of the mini-MOOC is to give you an idea of what it is like to study Aerospace Engineering at TU Delft, which will help you decide whether this programme suits you or not.

This mini-MOOC is available all-year round, and you should ideally complete it before the application deadline of 15 January 2023. If you have completed the mini-MOOC before this deadline, you will be informed in the week following 15 January 2023 that you are included in the selection procedure. In that case there are no more actions required until February. If you have not completed the mini-MOOC before the application deadline, you will receive a reminder to do so in the week following 15 January 2023. You will still have the opportunity to complete the mini-MOOC in the remainder of January. Make sure to complete the mini-MOOC no later than 31 January 2023, as failure to do so will result in exclusion from the selection procedure.

Candidates who participated in the selection procedure earlier and already completed the mini-MOOC in a previous academic year are not required (but of course still allowed) to take it again, provided that their participation can be correctly verified by the selection committee.

Importantly, please note that verifying completion of the mini-MOOC is based on your email address. We therefore require you to use the same email address for both the mini-MOOC and your registration in Studielink. In case you have used different email addresses (this applies to alias addresses as well), please provide proof of completing the mini-MOOC by sending us a screenshot of your mini-MOOC Progress Report (click the 'Progress' tab in the upper blue toolbar of the course). The Progress Report shows the email address you used to register for the course (on top) and the progress you made for the various course sections. Make sure all this information (email address and progress scores) is captured in your screenshot(s). The screenshot(s) confirmation must be sent to selection-ae@tudelft.nl after 15 January and before the deadline of 31 January 2023. If your participation cannot be verified before the deadline, you will not be allowed to proceed with the selection procedure.

Steps for registration for the mini-MOOC:

The mini-MOOC is hosted on the TU Delft Online Courses platform. Please carefully follow the steps below and indicated on [this](#) webpage to obtain access to the mini-MOOC:

- I. Create an account using the instructions from the [access manual](#). Please pay attention to also provide your **student number** (received after registration in Studielink), and to **not** login via the NetID option.
- II. Confirm your account by clicking on the link in the email sent to you by the Online Courses platform. Check you spam folder if needed.
- III. Fill in the [registration form](#) to request access to the mini-MOOC course specifically.
- IV. Once a weekday, new registrations are added to the platform. Once enrolled in the course it will appear on your dashboard on the Online Courses platform.

Keep in mind that requests to register for the mini-MOOC are processed manually. This can take up to a couple of days. Therefore make sure to register as soon as possible, especially in case you have received the reminder that you must still complete the mini-MOOC. For assistance or questions, please contact study-ae@tudelft.nl.

FAQ mini-MOOC

Q: Do I receive a confirmation that I have completed the mini-MOOC?

A: All applicants who have enrolled in the mini-MOOC and have completed it before the Studielink registration deadline of 15 January 2023 will receive an email confirmation from the selection team in the week following 15 January 2023. Applicants completing the mini-MOOC after 15 January 2023 will *not* receive a confirmation of completion. Applicants failing to complete the mini-MOOC in time will be informed about their exclusion from the selection procedure. Note that the TU Delft Online Courses platform does *not* send automated confirmations of completion to course participants.

Q: I have used a different email address for enrolling for the mini-MOOC than for my registration in Studielink / I received an email stating that I have not completed the mini-MOOC, although I did.

A: The selection team uses your email address to identify the applicants who have completed the mini-MOOC. For that reason it is important that the email addresses you use for the TU Delft Online Courses platform and Studielink are identical (note: alias email addresses are *not* identical). If you have not used the same email address (in case of doubt, you can check this yourself on the TU Delft Online Courses platform and Studielink), please let us know by emailing selection-ae@tudelft.nl. In this case you must attach a screenshot of your Progress Report (including your email address) to make sure that you will be included in the selection procedure (see also instructions on the previous page). For administrative purposes, we ask you not to change the email address in your Studielink account during the selection process.

Q: I have completed the full MOOC 'Introduction to Aeronautical Engineering' on the edX platform instead of the mini-MOOC. Do I still need to do the mini-MOOC?

A: No, but this applies only to applicants who have finished the [full MOOC](#) by the deadline of 15 January 2023. We will check which applicants have completed the full MOOC 'Introduction to Aeronautical Engineering' before that date. After 15 January 2023, it will only be checked which applicants have completed the mini-MOOC.

Q: I participated in the selection procedure earlier and have already completed the mini-MOOC. Do I have to do the mini-MOOC again?

A: No, this is not necessary. We can verify your earlier participation by using your email address. If your Studielink email address is different than the one you used for the platform, please follow the instructions as stated above.

Q: I cannot view one of the videos and/or make some of the questions in the mini-MOOC. I am worried that I cannot complete the mini-MOOC in time.

A: Do not worry. We can monitor on the TU Delft Online Courses platform whether you are enrolled and what your progress is. It is therefore highly unlikely that you will need to prove to us that you actually completed the mini-MOOC. If you keep encountering technical issues you can (i) contact study-ae@tudelft.nl, and (ii) go to the tab 'Progress' and make a screenshot of your progress (this capture should include your personal email address used for registration, which is displayed on top of the 'Progress' page). If necessary, you can use this as proof that you participated in the mini-MOOC. Should you receive the message that you have not completed the mini-MOOC, you can simply reply and include this screenshot. However, this will probably not be necessary.

Q: Do my results in the mini-MOOC count in the selection procedure?

A: No. While you *do* need to complete the mini-MOOC, your performance on the questions is not used in any way in the selection procedure. The assignments in the course are not graded. You will have three attempts to find the correct answer. Don't worry if you don't succeed, after those three attempts you will see the correct answer with an explanation. The course assignments are just for your own reference, to check if you understand the course and if you see yourself studying this material in the upcoming years.

Q: Do I have to study the contents of the mini-MOOC for the Academic Test?

A: In order to better understand the First-Year Material we assume that you are familiar with the concepts explained in the mini-MOOC. The material covered in the mini-MOOC, however, is not study material for the Academic Test.

ACADEMIC ATTITUDE AND MOTIVATION QUESTIONNAIRE

Deadline: 22 February 2023 (CET 13:59; UTC+1)

In the first week of February, all applicants who have completed the mini-MOOC will be invited by email to complete an '*Academic Attitude and Motivation Questionnaire*'. This questionnaire will be available from 8 February 2023 and should be completed no later than 22 February 2023. You do not need to prepare anything for this part of the selection procedure.

The questionnaire will be made available on the **online selection portal**. Instructions on how to enter this online selection portal will be provided to you in the same email mentioned above.

The '*Academic Attitude and Motivation Questionnaire*' is used to determine your score on the first selection criterion, namely Motivation. It consists of multiple sections of multiple-choice questions, all of which should be completed in order to receive a score for the criterion Motivation. The questions will focus on your learning strategies and academic motivation (metacognitive skills) related to academic performance. Your motivation score will be determined by comparing your answers to those of a reference group, consisting of students that are successful in the bachelor programme Aerospace Engineering. Your motivation score counts for 25% in determining your final ranking number.

FAQ Academic Attitude and Motivation Questionnaire

Q: Why do some questions look alike?

A: Some questions may look alike, but these questions are not exactly the same. The questionnaire measures a range of motivational and self-regulated learning scales, where all questions focus on slightly different aspects of your Academic Attitude and/or Motivation.

Q: Do I need to write a motivation letter for the selection procedure?

A: No, we do not ask you for a personal motivation letter. In this selection procedure, rather than your personal motivation for applying, we will assess your academic motivation toward learning. The selection procedure is also meant to discover if our programme matches the expectations you have of our programme. Of course, if you already have a long-term passion for aerospace engineering, chances are higher that our programme will be a good match for you. But you do not have to convince us about this! If you like, you can express your personal motivation in the final part of the selection procedure, the Self-Reflection.

STUDYING FIRST-YEAR MATERIAL

A second opportunity for you to get an impression of what it is like to study Aerospace Engineering consists of the step 'Studying First-Year Material'. Some aerospace-related course material that is representative of our first-year courses will be provided to you for self-study. Your understanding of the provided material will be tested in one of the sections of the Academic Test.

You will receive an email with information on how to access the First-Year Material on **15 February 2023**. This material will contain reading material and some practice questions. This information will also be available on the online selection portal from 15 February 2023 on.

FAQ First-Year Material

Q: I would like to start studying earlier. Can I know what material I need to prepare?

A: No. The objective of this part of the Academic Test is to see if you can study Aerospace Engineering material on your own and within a set timeframe.

Q: What do I need to study for this First-Year Material?

A: You need to study the sections listed in the provided First-Year-Material syllabus, which can be found on the selection portal when this information becomes available.

Q: Where can I ask questions about this material?

A: You will need to study this material on your own, but feel free to ask around for help in studying this material. The Faculty of Aerospace Engineering, however, provides no support in this and will not answer such questions.

Q: Is reading the First-Year Material sufficient to perform well on that section of the Academic Test?

A: We cannot judge how well you perform based on only reading the material. The questions on the Academic Test are constructed to assess how well you understand and are able to apply the material. In the First-Year-Material syllabus you can read what we expect from the applicants after studying the material. Note that the practice questions accompanying the material are not necessarily representative for the questions of the Academic Test.

ACADEMIC TEST

Deadline: 17 March 2023 (CET 13:59; UTC+1)

The Academic Test will become available on the online selection portal on 1 March 2023, and should be completed no later than 17 March 2023. This test is used to determine your score for the second selection criterion, namely Academic Performance, and it consists of three sections: (i) Mathematics, (ii) Physics, and (iii) the First-Year Material.

HOW TO PREPARE FOR THE ACADEMIC TEST?

The topics that we expect you to know for the mathematics and physics sections of the Academic Test can be found in the syllabus. For both sections also a formula sheet is available which may be used during the Academic Test. These files are available for download on our [website](#) and on the online selection platform (which is accessible from February 2023). Via the selection platform we will also give you access to a 'Practice Test'. This practice test serves to give you an idea about the type (format) of examination you may expect on the Academic Test, but not necessarily the *level* of examination! Moreover, this preparation test will also help you to familiarize with the digital test environment. The Faculty of Aerospace Engineering does *not* offer any further preparatory materials for the selection tests. This means that we do not provide any sample or practice exams to prepare for the selection procedure for Aerospace Engineering, and that insight into older test versions is *not* possible!

The material that we expect you to study for the First-Year-Material section of the Academic Test will be disclosed on 15 February 2023. A separate syllabus and formula sheet will be provided specifically for this part.

Most applicants will not have participated in an online selection test before and will therefore be unfamiliar with the digital test environment that we use for our selection procedure. The software used to construct the Academic Test enables us to construct a digital exam that can be automatically graded. Moreover, it allows the construction of a large set of questions, of which the parameter values are randomised. Every applicant will therefore be tested on the same material, but using a unique test for everyone. Be aware that the downside of a digital test is that your score is only based on your final answer. Any intermediate steps you took to get there can unfortunately not be taken into account. It is therefore important that you check your calculations carefully for small mistakes (like forgetting a minus sign).

To help you familiarize with the test environment, and the specific way in which to enter your answers, there will be instructions available on the online selection platform. We advise you to take sufficient time for practicing so that you will feel confident about the input of your answers during the actual test.

For candidates with learning disabilities there is the possibility to apply for additional time during the Academic Test. To be eligible for extra test time, you must file an official request no later than 15 February 2023 following the instructions outlined in the FAQ section below.

HOW TO TAKE THE ACADEMIC TEST?

You can take each of the sections of the Academic Test at a different time of your own choosing. However, keep in mind that you can only open each section once. This means that once you start a section you need to complete it; it is not possible to close the test and continue at a later time! Furthermore, the time available for each section

of the test is limited. The maximum allowed time will be communicated on the selection portal, and in the email you will receive to notify you of the opening of the Academic Test. A counter showing your remaining time will be visible during the test.

The Academic Test is an online electronic test. In our selection procedure, we will be using online proctoring software to ensure the reliability of the test results. There are two options for you to take the test:

- **Making the Academic Test on your own computer at a time of your choosing using online proctoring**

It is expected that you take the Academic Test without any help from others and using only the allowed material. Online proctoring ensures that no fraud can be committed, by following you online. This means that during the test both you and your desktop are recorded to verify that you complete the test under the correct conditions (for instance, without using outside help). More information about this online proctoring (including the strict regulations for taking (a section of) the Academic Test) will be made available on the selection portal.

In order to take the Academic Test using online proctoring you will need to have access to a [stable internet connection](#) and a [webcam](#). Note that WiFi connections can sometimes disconnect for a few seconds. This can result into a connection failure, resulting into being kicked out of the system. It is therefore highly recommended to use a wired connection. The stability of your internet connection is your own responsibility.

The online proctoring is very strict to ensure the integrity of the Academic Test. To give you an idea of the procedure: you must first verify compliance to the exam situation requirements, and then perform a 'room-and-desk' scan to show that you have 'nothing on your desk/in your room that is not allowed'. You can either use a separate webcam or an integrated webcam in combination with a mirror (or a reflecting surface) for this. So before taking (a section of) the Academic Test, you must prepare your desk and room, and make sure that only allowed material is placed on your desk and that all other items on your desk or within arm's reach are removed. During the test no other people are allowed in the room. Failure to comply with these rules may result into being flagged for suspicious behaviour. If you are found to have committed fraud, this may result into zero points on the criterion Academic Performance. On the online selection portal you will be given the opportunity to practice with the setup of the remote proctoring software before starting your actual test. We highly recommend you to take this preparatory test to [check](#) your computer and hardware meet the [system requirements](#) needed for the online proctoring and to familiarize yourself with the steps involved in the process.

Please be aware that participation in the selection procedure thus implies agreeing upon making and monitoring these video and audio recordings and screenshots. An examination party will have access to this data to determine whether the test was completed according to the regulations. The collected data will only be used for this purpose, and not for other goals. Recordings are removed after review.

- **Taking the Academic Test on the TU Delft Campus**

Apart from making the Academic Test using your own computer, you will also have the possibility to take the Academic Test on the TU Delft campus. This also allows candidates who have principal issues against online proctoring or who cannot arrange the necessary resources to take the Academic Test. If you choose this option, you will make all three sections of the Academic Test in one sitting.

The exact time, date and location of the on-campus session(s) will be communicated by email during the selection procedure. If you want to make use of the on-campus opportunity, it is required that you sign up for your preferred session, so that we can guarantee sufficient computer spaces. The email

message will contain further details about the registration procedure. The allocation of places will be on a first-come, first-served basis. Registration will be possible until 15 February 2023.

Important note: The on-campus sessions will only be organized on the explicit condition that this does not conflict with any of the COVID-19 measures put in place by the Dutch government and/or TU Delft. If during the course of the selection procedure it is considered unfeasible to organise the Academic Test on campus, candidates themselves are responsible for arranging a suitable environment (incl. hardware and equipment) to still be able to take the Academic Test within the set timeframe.

WHAT IS ALLOWED DURING THE ACADEMIC TEST?

- Basic scientific calculator (Casio FX-82 series or equivalent)*
(not allowed: graphing/programmable calculators, calculators with an internet connection, calculators with differentiation or integration functionality and calculators on a mobile phone, tablet or second computer)
- (Blank) paper in single sheets, pencils/pens and other basic writing implements (eraser, ruler, etc.)
- Print-outs of the provided formula sheets (available on the website and the selection portal)
- Your ID / passport
- Hard-copy dictionary (not Google-translate)

During the Academic Test it is not allowed to visit other websites, browse your computer, talk with someone, or use earplugs or headphones. The use of additional devices (a mobile phone, tablet or second computer) is also prohibited. You need to take the sections of the Academic Test as if you are taking an official exam. Violation of any of these rules may result in loss of points or exclusion from the selection procedure.

* **Note on calculators:** Your calculator should be able to perform basic scientific functions (i.e. trigonometric, hyperbolic, logarithms, exponents, powers, roots) and other computations necessary for the understanding and application of the required knowledge for the topics described in the syllabus. This includes, for instance, the ability to switch radians/degrees (make sure to use the correct mode during the test). If you are in doubt whether your calculator is allowed or not during the Academic Test, the University of Queensland has published on its [website](#) a list of approved and a list of non-approved calculators for university exams, which you can use for reference. All listed models have been evaluated according to the same requirements as set for usage during the selection procedure for Aerospace Engineering. For those applicants who will eventually start our bachelor programme as a first-year student in September 2023, the Faculty of Aerospace Engineering will also hand out a (one-time only) free standard calculator, type Texas instruments (TI) 30xb – multiview, for use during exams.

DETERMINATION OF YOUR RESULT

Your score on each section of the Academic Test will be determined by the number of correct answers. There is no fixed 'pass' or 'fail' grade, since the scores are compared between applicants. This means that if you have more correct answers, you obtain a higher score on the criterion Academic Performance. There will be more questions than (most) applicants can answer within the timeframe. The questions in the Academic Test are constructed such that they become gradually more difficult as you progress through the test. So note that we do not expect you to be able to complete all the questions within a section of the test! Upon completion of the Academic Test, you will not be able to see your score. The criterion Academic Performance determines 75% of your final ranking score. All sections of the Academic Test are weighted equally. This means that every section of the Academic Test determines 25% of your final ranking score.

FAQ Academic Test

Q: What can I study for the mathematics and physics sections of the Academic Test?

A: You can verify what prior knowledge and skills we expect in the syllabus. This is based on what applicants in Dutch pre-university education (VWO) need to study and what is required for the bachelor programme Aerospace Engineering. For the material relating to the mathematics and physics questions, additionally you can have a look at the TU Delft '[Pre-University Calculus](#)' MOOC and the '[Pre-University Physics](#)' MOOC. The material from these MOOCs is by no means compulsory study material, but may give you additional background if you wish to.

Q: Can I get sample or practice exams in order to prepare for the Academic Test?

A: No, the Faculty of Aerospace Engineering does not offer any sample or practice exams to prepare for the selection tests. Insight into older test versions is not possible.

Q: When should I take the Academic Test?

A: The Academic Test is available between 1 March and 17 March 2023. Within this timespan you are free to decide on when to take the test. If you take the test from home using online proctoring there is no need to sign up or register. This setup is different from many other numerus clausus programmes for which often only one specific selection day is organized. While this scheme allows you a lot of flexibility, it is important that you plan carefully, especially if you have other exams or obligations at high school. We advise you to complete the Academic Test at your earliest convenience and not to put it off until the deadline. This also guarantees that you can still be supported in case you experience (technical) problems while taking the test. Note that (specific) support may only be available during Dutch office hours (09:00-17:00 CET).

Q: Is the Academic Test a single test?

A: No, it is actually made up of three sections, namely (i) mathematics, (ii) physics, and (iii) First-Year Material. Every section can be made independently from the other two. The reason why the Academic Test is split up is to facilitate easy scheduling of taking the test.

Q: How much time do I have per section of the Academic Test?

A: This will be communicated on the selection portal and in the email announcing that the Academic Test is available. You will have at most one hour per section.

Q: What types of questions should I expect on the Academic Test?

A: The Academic Test will consist of a variety of question types which will ask you for e.g. numerical, mathematical formula or multiple-choice responses. Only final solutions of calculations are asked for. In a preparatory module on the selection platform you will be given some examples of the type (format) of examination you may expect on the Academic Test. These questions are not necessarily indicative of the difficulty level of the selection exam, but are designed for you to become familiar with the different ways of answer input.

Q: Why does the Academic Test have more questions than I will likely be able to answer?

A: The idea behind this is that the selection procedure requires sufficient score differentiation between candidates in order to establish the final ranking numbers. As a result, the quantity of questions will likely exceed the number of questions you (or any) candidate is able to answer within the time available for the exam. It is important that you realize that we do not expect you to finish the entire test, so do not worry about this. You are entirely free to determine your own approach in answering the test questions.

Q: Is there a number of correctly answered questions I should strive for, in order to be selected?

A: No, there is not. It depends on how well your fellow applicants perform.

Q: Can I use the formula sheets for all sections of the Academic Test?

A: Yes, you are allowed to use all provided formula sheets for all sections of the Academic Test. Note that only print-out sheets are allowed, digital versions are not.

Q: In high school I am allowed to use a formula booklet. Can I use it for the Academic Test as well?

A: No, this is not allowed. You are only allowed to use print-out versions of the formula sheets provided to you by the Faculty of Aerospace Engineering. The use of personal study materials, such as books, papers and notes violates the exam policies and is therefore forbidden during the Academic Test. You can verify what materials you are allowed to use by checking the list of allowed items.

Q: Do I need to know any mathematical and physical constants?

A: No, necessary constants are given either on the formula sheet(s) or with the question(s) during the test. You do not need to know these by heart.

Q: How do I know whether my calculator is allowed?

A: Only basic scientific calculators (Casio FX-82 series or equivalent) without differentiation or integration functionality are allowed. The use of graphing/programmable calculators is NOT allowed. A calculator on a mobile phone, tablet or second (laptop) computer is NOT allowed either. If in doubt, the University of Queensland has published on its [website](#) a list of approved and a list of non-approved calculators for university exams, which you can use for reference. If your calculator type does not appear on either list, you yourself are responsible to make sure your calculator meets the requirements for the selection procedure. The Faculty of Aerospace Engineering does not offer any further support in determining the eligibility of your calculator model.

Q: Can I also take the Academic Test on a tablet or hybrid computer?

A: No, you need a regular desktop computer or laptop for the Academic Test, because of the online proctoring.

Q: I am dyslexic/have another learning disability. Am I allowed more time for the test?

A: If you are diagnosed with dyslexia or another learning disability, you can apply for extended examination time by sending an email request to horizon-esa@tudelft.nl. Requests must be accompanied by official medical documentation in Dutch or English and must be filed no later than 15 February 2023.

Your request must contain the following information:

- (a) reason for applying for extra time
- (b) your full name and TU Delft student number
- (c) in the subject line of your email note 'Extension of exam time – selection procedure AE'
- (d) in attachment add a digital scan of your official medical statement bearing your diagnosis.

The medical statement must meet the following requirements:**Dyslexia**

- Your dyslexia statement must meet the criteria of the Dyslexia Foundation of the Netherlands (SDN) and has to be dated and signed by a recognized body;
- You have to supply a (official) translation in English or Dutch.

Other disability

- Your medical document must be signed and dated by a recognized body, for example a doctor, physician, psychologist or psychiatrist;
- Your medical document must contain information which confirms your disability and the structural nature;
- You have to supply a (official) translation in English or Dutch.

Please make sure to complete these steps before 15 February 2023, to ensure that your request is handled in time for the start of the Academic Test. For questions about the required documents you can contact horizon-esa@tudelft.nl. Official confirmation of the allocation of additional time for the Academic Test will be sent to you by the BSc Aerospace Engineering Selection Committee (selection-ae@tudelft.nl) before 1 March 2023.

Q: Since the questions are automatically graded, what if there is an error in the question?

A: We extensively check all questions when assembling the sections of the Academic Test to prevent this from happening. However, if an error in a question is found, this particular question will be re-graded manually.

Q: I have encountered a technical issue during the online proctoring process.

A: For such circumstances, there will be instructions on the online selection platform with the necessary contact details. The online proctoring will be done by an external company, which will have 24hr support available.

Q: I made a small mistake with the input of my answer. Can I still get points?

A: No, this is not possible. For this reason, it is recommended to practice with the '*Entering mathematical expressions*' instruction and the preparatory test on the online selection platform. Applicants can use this to familiarize themselves with the used software.

Q: Can I see my results per section and know which questions I answered correctly?

A: You will receive your final selection result, including your scores on the different sections, after completion of the selection procedure in April. You will not receive further information on which questions you answered correctly or wrong.

Q: Are travel and accommodation costs covered if I take (sections of) the Academic Test on campus?

A: No, they are not.

Q: I have other (study-related) activities in March and therefore have no time to prepare for the Academic Test. Can I take it at another time?

A: No. We expect students to invest a substantial amount of time into the study Aerospace Engineering and therefore you are also challenged in studying the First-Year material next to your regular school work. The Academic Test will be available for several weeks, which allows you to plan this yourself accordingly. We have decided to split up the test into three separate sections to facilitate scheduling when to take each section of the test. Each section of the test will take no longer than 1 hour. In short, there will be no possibility for postponement or any other form of compensation.

SELF-REFLECTION

Deadline: 22 March 2023 (CET 23:59; UTC+1)

After having finished the Academic Test, the final step in the selection procedure consists of a self-reflection. This self-reflection is available on the online selection portal in the month March and should be completed by the deadline on 22 March 2023. In this last step we ask you to reflect on your application and your motivation for studying Aerospace Engineering. We therefore want you to respond to the question “Do you still desire to pursue the bachelor programme Aerospace Engineering at TU Delft?”.

The idea behind the selection procedure is to help you gain insight into our bachelor programme Aerospace Engineering. At the end of the selection procedure, it is therefore important that you reflect on your application and consider if you (i) are (still) motivated to complete this bachelor programme and (ii) will be able to keep up with respect to academic performances.

In addition, we want you to take note of the [TU Delft Code of Honour](#) and reflect on how you would fit in our academic community, and to which extent you would behave in line with this Code of Honour.

In case of two (or more) applicants obtaining the exact same selection score, the answers to these Self-Reflection questions will be used to determine the decisive ranking amongst these applicants. Answers should be formulated in a meaningful way, with a max. of 500 words per question.

FAQ Self-Reflection

Q: Is there a template or example of a well-written self-reflection?

A: No. There are no wrong self-reflections and no examples will be provided.

Q: Is there a minimum or maximum number of characters to use for this self-reflection?

A: There is no specified minimum number of characters. However, we ask you to answer in a meaningful way, with a maximum of 500 words per question.

AFTER THE SELECTION PROCEDURE

DETERMINATION OF THE RANKING NUMBER

Your final selection score will be based on two criteria, namely Motivation and Academic Performance:

- The score on **Motivation** is based on the Academic Attitude and Motivation Questionnaire. Applicants receive a score, based on comparison of their answers with those of the reference group. This score counts for 25% in the determination of your ranking number.
- The score on **Academic Performance** is based on the Academic Test and counts for 75% of the determination of your ranking number. All sections of the Academic Test are weighted equally. This means that every section of the Academic Test determines 25% of your final ranking score. Your score for each section is based on how well you performed compared to other applicants.

Your score on the different sections of the selection procedure will be communicated to you after completion of the selection procedure and no later than 15 April 2023.

Your ranking number will be emailed to you by Studielink, on 15 April 2023 at the latest.

PLACEMENT VIA STUDIELINK

After completion of the selection procedure, the placement procedure will start. This will be done via Studielink. You will therefore also receive your ranking number via Studielink on 15 April 2023. Depending on your ranking number and the number of places available, you may or may not be offered a place in our bachelor programme. If you are offered a place, you have to accept this place via Studielink within two weeks. If you do not accept your place within two weeks, your place will automatically be assigned to another student.

Hence, if your ranking number is within the number of places available in our bachelor programme, you will be offered a place immediately. If your ranking number is higher than the number of places available, you may still be offered a place in the following weeks/months.

Should you have questions regarding the placement procedure, please contact the Central Student Administration (contactcentre-esa@tudelft.nl). The selection team and the Faculty of Aerospace Engineering have no further influence on this placement procedure.

FAQ: General questions

Q: What can I do to prepare myself for the bachelor programme?

A: You can take the [‘Pre-University Calculus’](#) and [‘Pre-University Physics’](#) MOOCs from the TU Delft. You can also follow the complete MOOC [‘Introduction to Aeronautical Engineering’](#) as this is a good representation of the first-year course ‘Introduction to Aerospace Engineering’.

Q: After completing the selection procedure, I decided that I do not want to study Aerospace Engineering.

A: That is okay, part of the purpose of the selection procedure is to give you an idea of what to expect of our programme and to check if this matches your interests and skills. You have to cancel your registration in Studielink yourself.

Q: Do my extracurricular activities or grades from my pre-university education count in the selection procedure?

A: No, they do not. Because Aerospace Engineering attracts many international applicants with sometimes very different (educational) backgrounds, only the results in the selection procedure will be used to determine the final ranking. This allows the most equal procedure for all applicants.

Q: Is it possible to know how many students are currently participating in the selection procedure?

A: No. But to give you an idea: last year we had almost 2300 applicants for the 440 places available. As the aim of the selection procedure is also that applicants obtain a better insight into the bachelor programme, not all applicants completed the entire selection procedure. Last year 1500 applicants completed all steps.