

## **Competitive admission examination for university students CentraleSupélec Accelerated Engineering Degree Programme**

*By entering the competition, all candidates agree to comply with the following instructions and to abide by the jury's decisions, which are final. Any breach of the rules, any fraud or attempted fraud, concerning the information provided at registration or during the written or oral tests, may result in the imposition of sanctions, as defined in Article R811-11 of the education code.*

*Allegations of misconduct will be heard by the CentraleSupélec Disciplinary Committee.*

### **1 - Scope of the document and objectives**

This document explains the application procedure for university undergraduates wishing to apply to the two-year CentraleSupélec engineering programme. The document forms part of CentraleSupélec's educational regulations.

CentraleSupélec is organising a competitive entrance exam in order to select university students who show the ability to complete the CentraleSupélec engineering diploma in two years. The accelerated two-year programme is described here:

<https://centralesupelec-accelerated-progr.fr/about-the-programme/>

Candidates must excel in one or more scientific areas. An extremely high level of competency in Mathematics is necessary both for the examination and for the accelerated programme.

### **2 - Eligibility and qualifications required**

Candidates must hold a Bachelor of Science (Mathematics or Physics) or Engineering from a non-French university.

Candidates may apply during the final year of their bachelor's degree course.

Admission will be conditional on the bachelor's degree being awarded at the first sitting.

In addition, the following conditions for eligibility apply:

- Candidates may apply only once.
- Candidates may not have completed the two-year preparatory programme for French “Grandes Écoles scientifiques” (CPGE). Any candidate who has registered for “mathématiques spéciales” is considered for the current purpose to have followed the two-year CPGE programme, even if they did not complete the second year.
- Candidates may not have followed a preparatory programme for an engineering degree **in France**. Any candidate who has registered for a preparatory programme designed to lead to an engineering degree **in France** (engineering university, university preparatory programme, etc) is considered for the current purpose to have followed a preparatory engineering programme, even if they did not complete the second year. In particular, candidates coming from Sino-French engineering institutes are eligible.
- Candidates may not have started the final year of a Master's programme, or a PhD programme.
- Candidates with French nationality must be legally in order with regard to Articles L113-1 and the National Service code requiring young French citizens to register and participate in Defence and Citizenship Day.

We draw candidates' attention to the fact that nationality is not a condition of eligibility. French citizens who have attended foreign universities are permitted to apply, however foreign students who have attended French universities are not eligible.

Candidates are not required to be fluent in French. The entire application process and the examination itself may be done in English.

Candidates with disabilities or chronic illnesses may apply for special accommodations. They must indicate their circumstances at the time of registration.

### **3 – Registration details**

Candidates must apply online using the following link:

<https://centralesupelec-accelerated-progr.fr/registration/>

The deadline for applications is 2 April 2019, at midday, Paris time.

There is a non-refundable application fee of € 130.

Candidates must select one of the following options for the examination, in accordance with their academic background:

- Mathematics / computer science
- Physics
- Mechanical engineering
- Electrical engineering

Candidates selected by the jury will be informed by email on 8 April 2019. All candidates should therefore provide a reliable email address that will remain valid for the duration of the application process, and ensure that messages sent by CentraleSupélec will not be blocked by filters. If in doubt, candidates may contact the examination secretariat.

Incomplete applications, or those for which the application fee has not been received, will not be considered.

#### **3.1 - List of electronic documents required**

All elements of the application must be in either English or French and must be submitted in pdf format:


- Photocopy of passport or national identity card or equivalent documentation from the candidate's country of residence;
- Identity photograph;
- CV / Résumé;
- Transcript of grades obtained during bachelor's degree, including for the first term of the current year;
- English or French language certificate (there is no mandatory minimum level, however some indication is required that the candidate is capable of sitting the examination);
- Official school-leaving diploma (Baccalauréat, Gaokao, A-level, SAT, International Baccalaureate, ...);
- Official results of GRE or TAGE MAGE standardised tests (optional but recommended);
- Motivation letter;
- Letter(s) of recommendation (optional);
- Online application form, completed and signed;
- For French candidates born between 10th April 1993 and 10th April 2000, certificate of participation in the Defence and Citizenship Day.

#### **4 - Eligibility**

The online application will be used to determine which candidates will be invited to sit the written and oral examinations. Selection will be based on a candidate's academic results and motivation letter, and the letters of recommendation provided by faculty members from the candidate's university.

## 5 - Written and Oral examinations

The examinations are organised according to the specialisation selected by the candidates:  
*Mathematics and computer science, Physics, Mechanical engineering, Electrical engineering.*



### PHASE 2 – WRITTEN AND ORAL EXAMINATIONS

If selected, you will be invited to sit the written and oral examinations at the exam centres you will have chosen upon application:  
**Written examinations : 6 May 2019**  
**Oral examinations: 8-15 May 2019**

Depending on your academic background, you will take different series of tests

	Bach. in Maths/IT/ Computer Sc. and related	Bach. in Physics Sc. and related	Bach. in Mechanical Eng. and related	Bach. in Electrical Eng. and related
<b>WRITTEN TESTS (3 hrs)</b>	Maths 2 hrs	Physics 2 hrs	Mechanical eng 2 hrs	Electrical eng. 2 hrs
	MCQ in Maths & Physics 1 hr	MCQ in Maths 1 hr	MCQ in Maths 1 hr	MCQ in Maths 1 hr
<b>ORAL TESTS (3 hrs)</b>	Maths 45 mn	Physics 45 mn	Mechanical eng. 45 mn	Electrical eng. 45 mn
	Physics 45 mn	Engineering topic 45 mn	Maths 45 mn	Maths 45 mn
	Interview 30 mn	Interview 30 mn	Interview 30 mn	Interview 30 mn

The scope of the tests and last year's exam topics are available on the website :  
<http://www.centralesupelec-accelerated-progr.fr>

The examinations will take place at the following venues:

- Mathematics and computer science: [https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP\\_Maths\\_exam\\_format.pdf](https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP_Maths_exam_format.pdf)
- Physics: [https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP\\_Physics\\_exam\\_format.pdf](https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP_Physics_exam_format.pdf)
- Mechanical engineering: [https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP\\_Mechanical\\_Eng\\_exam-format.pdf](https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP_Mechanical_Eng_exam-format.pdf)
- Electrical engineering: [https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP\\_Electrical\\_Eng\\_exam-format.pdf](https://centralesupelec-accelerated-progr.fr/wp-content/uploads/2017/06/AEDP_Electrical_Eng_exam-format.pdf)

### 5.1 - Written examinations

Candidates are required to be present in the examination room 15 minutes before the start of the examination.

The first written paper, lasting 2 hours, consists of exercises in Mathematics and Computer Science, Physics, Mechanical engineering or Electrical engineering. The paper will test the candidate's level in the same scientific field as their Bachelor's degree. Candidates will receive a grade between 0 and 20.

The multiple-choice paper is a list of questions designed to test the candidate's level in Mathematics. Candidates will receive a grade between 0 and 20. Candidates are not permitted to leave the examination room during the examination, unless for medical reasons.

No documentation may be taken into the written examinations, other than a French or English dictionary in paper form. Electronic equipment is forbidden, including calculators, computers, tablet computers,

mobile phones, smartwatches (this list is non-exhaustive). Mobile phones must be switched off (and not simply silenced) and kept out of the candidate's reach.

Candidates need only a blue or black pen. Writing paper and rough paper will be provided by the examination centre.

## **5.2 - Oral examinations and interview**

Each oral examination lasts 45 minutes, at the beginning of which the candidate will be given an exercise by the examiner.

Candidates will be evaluated on how they approach a problem to which they do not have the answer. The examiner is permitted to guide the candidate.

Each oral examination is graded out of 20.

During the 30-minute interview the candidate will be evaluated on their motivation for the accelerated programme. The result will be a letter grade: A (excellent), B (good), C (insufficient).

## **6 - Admission**

A combined grade will be calculated by applying the following coefficients to the grades awarded for each test.

- 2-hour written test: 20
- Multiple choice in Mathematics: 14
- First oral examination: 33
- Second oral examination: 33

Candidates will be ranked according to their results in the scientific examination and interview. Candidates whose results are deemed inadequate will not be classed.

The list of successful candidates will be announced on the programme website.

The Director of CentraleSupélec will announce the successful candidates in order of ranking, on condition of completion of the required diploma. A candidate's acceptance will be final once the registration process has been completed, including payment of the registration fee, and the candidate has provided official documentary evidence of completion of the bachelor's degree.

The jury can offer a three-year postgraduate programme to candidates it considers unsuited for the accelerated programme.

## **7 - Administrative provision**

The applicable law shall be French law.

Disputes may be dealt with in the form of an informal appeal lodged with the Director of CentraleSupélec, a hierarchical appeal lodged with the Minister for Higher Education, Research and Innovation, or a contentious appeal lodged with the Versailles Tribunal (56 avenue de Saint Cloud, 78011 Versailles). Informal and hierarchical appeals can be lodged without conditions as to time limits. Contentious appeals on the other hand must be lodged within two months of notification of the jury's decision. It therefore follows that informal or hierarchical appeals may only delay a contentious appeal if lodged before the deadline for appeal, that is to say, within the two months following notification of the jury's decision. Therefore, should you wish to lodge a contentious appeal following an informal or hierarchical appeal that is unsuccessful (explicitly or implicitly, in the absence of any reply from the administration during this period), the appeal must be lodged within the time limits which apply to contentious appeals. You will thus retain the ability to lodge a contentious appeal within two months of the decision regarding the informal or hierarchical appeal.

## **8 - Examination and examination centre secretariat**

Contact information:

Email: [accelerated\\_eng\\_prog@centralesupelec.fr](mailto:accelerated_eng_prog@centralesupelec.fr)

Postal address:

CentraleSupélec – Gif-sur-Yvette Campus

Plateau de Moulon

8-10 rue Joliot-Curie

F-91192 Gif-sur-Yvette Cedex

The written examination centres will be in: Saclay (France), Beijing, Shanghai, Guangzhou (China).

The oral examination centres will be in Saclay (France) and Beijing (China).