



**Chulalongkorn University Announcement**  
**Admission to the Bachelor of Engineering (International Program)**  
**Faculty of Engineering for the Academic Year 2022 (Early Admission)**

---

The Chulalongkorn University has authorized the Bachelor of Engineering (International Program), Faculty of Engineering, to select applicants for the Academic Year 2022 (Early Admissions). The application is divided into 2 options. Applicants **must choose to apply only one option either Option 1** Test score **or** **Option 2** Portfolio. The application process and selection criteria are the following:

**1. Applicant Qualifications**

Applicants must have completed high school **or** be currently in their final year of high school **or** its equivalent levels from a Thai or International Accredited Schools in Thailand **or** Educational Institutions in foreign countries. Applicants must meet the requirement in 1.1 or 1.2 **and** 1.3 as follows:

**1.1 Application Requirements for Option 1 (Test Score)**

Applicants must submit the scores of the following proficiency test in items 1.1.1 – 1.1.3. At least 2 out of the 3 score results must meet the following requirements.

1.1.1 Applicants must achieve the minimum score in **one** of the following English Proficiency tests:

- |                                                                 |                    |           |
|-----------------------------------------------------------------|--------------------|-----------|
| - TOEFL (Internet-based)                                        | not lower than 80  | <b>or</b> |
| - IELTS / IELTS Indicator                                       | not lower than 6.0 | <b>or</b> |
| - CU-TEP (Chulalongkorn University Test of English Proficiency) | not lower than 80  | <b>or</b> |
| - Duolingo                                                      | not lower than 105 |           |

Applicants who graduated from International Accredited Schools in Thailand or studied abroad in which English is a primary language of instructions for at least 2 academic year. Applicants will need to provide official confirmation from the institution where they completed their degree that the medium of instruction was in English. The certificate of the English curriculum will be equivalent to passing score as specify in **items 1.1.1**

1.1.2 Applicants must achieve the minimum score in **one** of the following Mathematics Proficiency tests:

- |                                                                                                          |                    |    |
|----------------------------------------------------------------------------------------------------------|--------------------|----|
| - CU-AAT (Math Section)                                                                                  | not lower than 480 | or |
| - SAT (Math)                                                                                             | not lower than 620 | or |
| - SAT Subject Test (Math Level 2)                                                                        | not lower than 600 | or |
| - Advanced Level (Mathematics-9709 or 9231)                                                              | not lower than B   | or |
| - Advanced Level (Mathematics-9709 or 9231) Predicted Grade                                              | not lower than A   | or |
| - IB (Mathematics: Applications and Interpretations HL<br>or Analysis and Approaches HL)                 | not lower than 6   | or |
| - IB (Mathematics: Applications and Interpretations HL<br>or Analysis and Approaches HL) Predicted Grade | not lower than 6   | or |
| - ACT (American College Testing, Math Section)                                                           | not lower than 26  | or |
| - AP Calculus (AB or BC)                                                                                 | not lower than 4   |    |

1.1.3 Applicants must achieve the minimum score in **one** of the following Science Proficiency tests:

- |                                                                       |                    |    |
|-----------------------------------------------------------------------|--------------------|----|
| - CU-ATS                                                              | not lower than 800 | or |
| - SAT Subject Tests (Physics and Chemistry)                           | not lower than 600 | or |
| - Advanced Level (Physics-9702 and Chemistry-9701)                    | not lower than B   | or |
| - Advanced Level (Physics-9702 and Chemistry-9701)<br>Predicted Grade | not lower than A   | or |
| - IB (Physics HL and Chemistry HL)                                    | not lower than 6   | or |
| - IB (Physics HL and Chemistry HL) Predicated Grade                   | not lower than 6   | or |
| - ACT (Science Section)                                               | not lower than 25  | or |
| - AP Chemistry and AP Physics (1 or C)                                | not lower than 4   |    |

Applicants who meet only 2 out of the 3 requirements from *item 1.1.1* are still required to achieve the minimum score (listed below) on the item that does not pass the requirement to be eligible to enroll as according to *item 5.4*.

1) Applicants whose score in item 1.1.1 does not pass the above requirements must achieve the minimum score on one of the following English Proficiency tests:

- |                                                                 |                    |    |
|-----------------------------------------------------------------|--------------------|----|
| - TOEFL (Internet-based)                                        | not lower than 61  | or |
| - IELTS / IELTS Indicator                                       | not lower than 5.5 | or |
| - CU-TEP (Chulalongkorn University Test of English Proficiency) | not lower than 61  | or |
| - Duolingo                                                      | not lower than 85  |    |

2) Applicants whose score in item 1.1.2 does not pass the above requirements must achieve the minimum score on one of the following Mathematics Proficiency tests:

- |                                                                                                          |                    |    |
|----------------------------------------------------------------------------------------------------------|--------------------|----|
| - CU-AAT (Math Section)                                                                                  | not lower than 455 | or |
| - SAT (Math)                                                                                             | not lower than 590 | or |
| - SAT Subject Test (Math Level 2)                                                                        | not lower than 570 | or |
| - Advanced Level (Mathematics-9709 or 9231)                                                              | not lower than B   | or |
| - Advanced Level (Mathematics-9709 or 9231) Predicted Grade                                              | not lower than A   | or |
| - IB (Mathematics: Applications and Interpretations HL<br>or Analysis and Approaches HL)                 | not lower than 6   | or |
| - IB (Mathematics: Applications and Interpretations HL<br>or Analysis and Approaches HL) Predicted Grade | not lower than 6   | or |
| - ACT (American College Testing, Math Section)                                                           | not lower than 24  | or |
| - AP Calculus (AB or BC)                                                                                 | not lower than 3   |    |

3) Applicants whose score in item 1.1.3 does not pass the above requirements must achieve the minimum score on one of the following Science Proficiency test:

- |                                                                       |                    |    |
|-----------------------------------------------------------------------|--------------------|----|
| - CU-ATS                                                              | not lower than 760 | or |
| - SAT Subject Tests (Physics and Chemistry)                           | not lower than 570 | or |
| - Advanced Level (Physics-9702 and Chemistry-9701)                    | not lower than B   | or |
| - Advanced Level (Physics-9702 and Chemistry-9701)<br>Predicted Grade | not lower than A   | or |
| - IB (Physics HL and Chemistry HL)                                    | not lower than 6   | or |
| - IB (Physics HL and Chemistry HL) Predicted Grade                    | not lower than 6   | or |
| - ACT (Science Section)                                               | not lower than 24  | or |
| - AP Chemistry and AP Physics (1 or C)                                | not lower than 3   |    |

- The official score reports of the tests in 1.1.1, 1.1.2, and 1.1.3 or 1), 2), and 3) are valid only when the tests were taken within two years before the application deadline.
- Applicants must provide the most recent Advanced Level score or IB score only to meet requirements. If the applicants have already received an official result of Advanced Level score or IB score, the applicants are not allowed to submit the predicated grade.
- For predicated grade submission, upon receiving the official statement of results, applicants must submit the official Advance Level or IB exam certificate to the International School of Engineering, Faculty of Engineering, Chulalongkorn University comply with the application deadlines.

## 1.2 Application Requirements for Option 2 (Portfolio)

1.2.1 Applicants must submit the most recent high school or equivalent level transcript showing the applicant's Accumulated Grade Point Average (GPAX) not less than 3.25 out of 4.00 scales during at least 5 recent semesters and showing GPAX of Science courses (Physics and Chemistry) as well as mathematics courses not less than 3.25. High school graduates or equivalent must submit GPAX total of 6 semesters.

1.2.2 Applicants must achieve the minimum score in **one** of the following English Proficiency tests:

- |                                                                 |                    |           |
|-----------------------------------------------------------------|--------------------|-----------|
| - TOEFL (Internet-based)                                        | not lower than 80  | <b>or</b> |
| - IELTS                                                         | not lower than 6.0 | <b>or</b> |
| - CU-TEP (Chulalongkorn University Test of English Proficiency) | not lower than 80  | <b>or</b> |
| - Duolingo                                                      | not lower than 105 |           |

Applicants who graduated from International Accredited Schools in Thailand or studied abroad in which English is a primary language of instructions for at least 2 academic years. Applicants will need to provide official confirmation from the institution where they completed their degree that the medium of instruction was in English. The certificate of the English curriculum will be equivalent to passing score as specified in items 1.2.2

1.2.3 Applicants must submit Portfolio which demonstrate the applicant's knowledges and competencies on the following topics:

- Mathematics and Science Proficiency
- Problem Solving Proficiency
- Motivation for Applying to the Faculty of Engineering
- Self-Learning and Lifelong Learning
- Creativity, Initiatives, and Teamwork

For option 1, test score submission, applicants without the test score according to 1.1.1, 1.1.2 and 1.1.3 or 1) 2) and 3), while option 2 portfolio submission, applicants without the test score according to 1.2.2 by the deadline can still apply to the Bachelor of Engineering (International Program), Faculty of Engineering for the Academic Year 2022 (Early Admissions). However, applicants must submit the application form for CU-TEP, CU-AAT (Math Section), CUATS directly to Chulalongkorn University Academic Testing Center (CUATC) during the application submission process. These tests will be specially arranged after the application deadline. If applicants choose to do so, the results from these tests will be used mainly for the admission. All other test scores taken prior to these tests will not be used. Applicants can download the application form for these special arrangements our website <http://www.ise.eng.chula.ac.th>

1.3 Applicants must maintain a record of proper behavior and strictly abide by the existing and upcoming University’s regulations, principles, and announcements.

**Applicant must choose to apply only one option either Option 1, Test Score or Option 2 Portfolio. The application shall be rejected, if applicant submits both options. Furthermore, if there is evidence shown later that the application does not meet the requirements or provide fraudulent information, involves fake documents, the application will be rejected regardless of an offer of admission being sent. Moreover, the applicant may be prosecuted according to law.**

## 2. Number of Admitted Applicants

The Bachelor of Engineering (International Program) is authorized to **admit up to 220 qualified applicants** which are divided into **a total of 170 qualified applicants for Test Score Option** and **a total of 50 qualified applicants for Portfolio Option**. Total applicants admitted for five programs are clarified on the following details:

Programs	Option 1 Test Score	Option 2 Portfolio	Total Applicants Admitted
2.1 Nano Engineering	40	12	52
2.2 Aerospace Engineering	21	5	26
2.3 Information and Communication Engineering	43	13	56
2.4 Automotive Design and Manufacturing Engineering	36	10	46
2.5 Robotics and Artificial Intelligence Engineering	30	10	40
Total	170	50	220

In case the number of qualified applicants is less than the announced accepting number of applicants, the remaining seats will be added to the next admission round of the Academic Year 2022 at the discretion of the Faculty of Engineering.

### 3. Application Calendar

Admission Process	Date/Month/Year
Register in the TCAS system	<b>From December 9, 2021</b> Please visit <a href="http://student.mytcas.com">http://student.mytcas.com</a> for details on TCAS65 system registration
Filling out application form in ISE online admission system and application submission	<b>December 9, 2021 – December 24, 2021</b> Applicants fill out the application form and upload required documents in a PDF format on ISE online admission system through <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a> *All documents must sign “Certified true copies”
Announcement of list of applicants eligible for an Interview	<b>January 12, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Online Interview via Microsoft Teams	<b>January 14-17, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Announcement of successful candidates eligible for program selection	<b>January 21, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Program selection	<b>January 21, 2022 at 8.30 a.m to January 22, 2022 at 11.59 p.m.</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Online enrollment confirmation via Microsoft Teams	<b>January 24, 2022 from 9:00 a.m. – 2:00 p.m.</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Announcement of additional successful candidate eligible for program selection (If any)	<b>January 25, 2022 at 8:30 a.m.</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Additional program selection (If any) via ISE online admission system	<b>January 25, 2022 from 8:30 a.m. – 4:00 p.m.</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Additional online enrollment confirmation (If any) via Microsoft Teams	<b>January 26, 2022 from 9:00 a.m. – 12:00 p.m.</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Announcement of admitted applicants	<b>February 4, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Enrollment confirmation through TCAS65 system	<b>February 7 – 8, 2022</b>

	(For further information, please visit <a href="http://student.mytcas.com">http://student.mytcas.com</a> )
Waiving the right to enroll through TCAS system (for those who have confirmed the enrollment in round 1 but wish not to enroll)	<b>February 9, 2022</b> (For further information, please visit <a href="http://student.mytcas.com">http://student.mytcas.com</a> )
Announcement of admitted applicants who confirmed the right to enroll through TCAS65 (round 1)	<b>February 11, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Enrollment Confirmation with payment	<b>February 14, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>
Final announcement of admitted applicants	<b>February 18, 2022</b> Via the ISE website <a href="http://www.ise.eng.chula.ac.th">http://www.ise.eng.chula.ac.th</a>

#### 4. Application Process and Packet

##### 4.1. Application Process

Applicants who meet all requirements listed *in item 1* must apply online through the website as detailed below.

4.1.1. Complete the application form at <http://www.ise.eng.chula.ac.th>

4.1.2. Validate the form data click “save” then “submit” the form (the applicant cannot make any change after the form has been submitted).

4.1.3. Scan and upload the pdf files of certified copies of required documents in item 4.2 through <http://www.ise.eng.chula.ac.th>

4.1.4. Transfer a non-refundable application fee of 1,000 baht to Siam Commercial Bank, Account number 045-291244-7 (Account name: Educational Fund, Faculty of Engineering, Chulalongkorn University). Please upload the receipt for registration fee (1000 baht) on the application website <http://www.ise.eng.chula.ac.th>

For more information please contact International School of Engineering Office, Engineering Building 2, Room 107, Faculty of Engineering Chulalongkorn University, Tel: 02-218-6422-4, 02-218-6743-4 and 02-218-6476 (in official working time and day only) or email [ise.admission@chula.ac.th](mailto:ise.admission@chula.ac.th)

The applicants must verify that they meet all requirements according to this announcement and that all the provided information is true and correct. If there is any mistake from the applicants or the application packet does not meet the requirements, the applicants will be disqualified.

## 4.2. Application Packet

- 4.2.1. A certified copy of High School diploma and official transcript. In case applicant's institution does not provide the official transcript based on the 4.0 scale system, the applicants must request for GPAX Equivalency Certificate from Chulalongkorn University Academic Testing Center. Once getting approval certificate, applicants must attach it along with other required documents as a proof.
- 4.2.2. Certified copy of Thai National Identification Card or passport (for foreign applicants)
- 4.2.3. Certified copy of score report of the English proficiency test, Mathematics Standardized Test and Science Standardized Test as mentioned on the [\*items 1.1\*](#) (For Test Score submission)
- 4.2.4. Certified copy of score report of the English Proficiency Test as mentioned in the [\*items 1.2.2\*](#) and Portfolio in [\*items 1.2.3\*](#) (For Portfolio submission). The process of preparing Portfolio, applicants are referred to the details in the attached document no. 2 of this announcement.
- 4.2.5. A letter of certification of student status from the applicant's school which specify the number of academic years that applicants have been studied. Applicants who graduated from International Accredited Schools in Thailand or studied abroad in which English is a primary language of instructions for at least 2 academic year. Applicants will need to provide official confirmation from the institution where they completed their degree that the medium of instruction was in English. The certificate of the English curriculum will be equivalent to passing score as specify in [\*items 1.1.1\*](#) or [\*items 1.2.2\*](#)
- 4.2.6. Certified copy of Name or Surname change certificate (if applicable)
- 4.2.7. The application form to apply the academic test (special arrangement for 2022 Early Admission by CUATC) for the applicants who do not have English Proficiency test or Academic Aptitude test.

The applicants must submit all document in the application packet. An incomplete application packet will not be considered

**When the application has been submitted, it means that the applicant already checked their eligible requirements. No refund will be made after the application has been submitted.**



## 5. Selection Process

### 5.1 Evaluation Criteria for Candidates who are eligible for Program Selection

The Faculty of Engineering (International Program) will evaluate the applicants who are eligible for program selection based on the criteria and required documents listed in *item 4.2*.

### 5.2 Successful Candidates Announcement

The list of successful candidates who are eligible for study program selection will be announced on **January 12, 2022**, at <http://www.ise.eng.chula.ac.th>. The number of selected applicants will be as of the intended number of admitted students as announced or more, in case the lowest ranking selected applicants eligible for program selection have the same score.

### 5.3 Interview

Online interviews for the eligible applicants will be held during **January 14 – 17, 2022 from 9.00 a.m. – 4 p.m.** via Microsoft Team. Applicants who fail to appear on the interview date and time fixed, their candidature shall stand rejected.

### 5.4 Evaluation Criteria for Applicants to be selected

#### 5.4.1 Test Score Selection Criteria

The Faculty of Engineering (International Program) will evaluate the applicants who are eligible for program selection based on the criteria and required documents listed in *item 4.2*. Applicants must pass the interview conducted in English arranged by the Bachelor of Engineering (International Program), Faculty of Engineering. The weight assigned to each requirement is as follows:

5.4.1.1 Accumulated GPA (GPAX)	7.5 %
5.4.1.2 English Proficiency Test Scores	20 %
5.4.1.3 Mathematics Proficiency Test Scores	32.5 %
5.4.1.4 Science Proficiency Test Scores	40 %
5.4.1.5 Interview	Pass/Fail

#### 5.4.2 Portfolio Selection Criteria

The Faculty of Engineering (International Program) will evaluate the applicants who are eligible for program selection based on the criteria and required documents listed in *item 4.2*. Applicants must pass the interview conducted in English arranged by the Bachelor of Engineering (International Program), Faculty of Engineering. The weight assigned to each requirement is as follows:

5.4.2.1 Accumulated GPA (GPAX)	30 %
5.4.2.2 English Proficiency Test Scores	20 %
5.4.2.3 Portfolio	35 %
5.4.2.4 Interview	15 %

Portfolio Evaluation Criteria can be found in the attached document no 2

### 5.5. Announcement of Successful Candidates

The list of successful candidates who are eligible for study program selection will be announced on **January 21, 2022** at <http://www.ise.eng.chula.ac.th>. The number of selected applicants will be as of the intended number of admitted students as announced or more, in case the lowest ranking selected applicants eligible for program selection have the same score.

### 5.6. Program Selection

Successful candidates who are eligible for program selection must select their study program from **January 21, 2022 at 8:30 a.m. to January 22, 2022 at 11:59 p.m.** via <http://www.ise.eng.chula.ac.th>. The applicants who did not select their program on the specified date will be considered as waiving their rights for admission. The program selection criteria can be found in the attached document no. 1

### 5.7. Enrollment Confirmation

Successful candidates who passed the interview are eligible for program selection must confirm their enrollment on **January 24, 2022, from 9:00 a.m. – 16:00 p.m.** via online by Microsoft Teams. Selected applicants who fail to confirm their enrollment will be considered as waiving their rights for admission. The faculty will announce the additional successful applicants who are eligible for program selection according to the ranking up to the intended number of admitted applicants **on January 25, 2022 at 8:30 a.m.** The additional successful applicants (if any) must select their study program on **January 25, 2022, from 8:30 a.m. - 4:00 p.m.** via <http://www.ise.eng.chula.ac.th/> and confirm the enrollment on **January 26, 2022, from 9:00 a.m. – 12:00 p.m.** via online by Microsoft Teams. This additional announcement shall be considered as the end of the selection process. There will be no more additional successful candidate announcement under any circumstances.

### 5.8. Selected Applicants Announcement

The faculty of Engineering will announce the list of selected applicants on **February 4, 2022**, at <http://www.ise.eng.chula.ac.th>.

## 5.9 Enrollment Confirmation through TCAS65 system

The selected applicants must also report their online enrollment confirmation (round 1) through the TCAS65 system during **February 7-8, 2022**, according to the Council of University President of Thailand. Selected applicants who fail to report their enrollment confirmation during the specified period will be considered as waiving their rights for admission to the Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission). (For further information regarding the enrollment confirmation report through the TCAS65 system, please visit <http://student.mycas.com>).

In case there are fewer applicants who performed the online confirmation report in the TCAS system, the remaining seats will be added to the next admission round for the academic year 2022. And this is the end of the application process. The university will not announce any additional selected applicant.

## 5.10. Waiving the right to enroll through TCAS64 system

The selected applicants to the Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission) who already reported their enrollment confirmation through the TCAS65 system during **February 7-8, 2022**, but wish to waive the right to enroll in the program, the applicants could waive their right through the TCAS65 system **on February 9, 2022**. For more information, please visit <http://student.mycas.com>)

## 5.11. Announcement of the list of confirmed applicants in the first round of TCAS65

The list of admitted applicants who confirmed the enrollment through TCAS65 system will be announced **on February 11, 2022**, at <http://www.ise.eng.chula.ac.th> The admitted applicants in the final announcement list must pay the confirmation fee **on February 14, 2022, 9:00 a.m. – 12:00 p.m.** by transferring to Siam Commercial Bank account number 045-291244-7 (account name: Educational Fund, Faculty of Engineering, Chulalongkorn University). Please submit a wire transfer receipt of the confirmation fee to [ise@chula.ac.th](mailto:ise@chula.ac.th) by writing Email subject line and file name as: Application ID\_Name\_Surname (For example, 20110xxxx\_Sawasdee\_Sodai)

The applicants who did not pay their confirmation fee on the specified date will be considered as waiving their rights for admission. (The admitted applicants must also present an official document

of their high school diploma (M6 or its equivalent) on the same day. In case the applicants are given time extension for providing their proof of high school completion or its equivalent, they must submit the proof by **August 5, 2022**. Failure to provide the proof within the specified period will result in official rejection from Chulalongkorn University.)

#### **5.12. Final announcement of admitted applicants**

The list of successfully admitted applicants to the Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission) will be announced on **February 18, 2022**, through <http://www.ise.eng.chula.ac.th>

**The resolution of the Admission Committee is absolute.**

#### **6. Enrollment Conditions**

6.1. To be eligible to enroll for the first registration as Chulalongkorn students, enrollees must have completed M.6 or its equivalent level. For applicants who graduated from international schools in Thailand or from overseas, which are not accredited by the Ministry of Education, must request for the equivalent certificate issued by Chulalongkorn University via <https://hscs.atc.chula.ac.th/>

6.2. The final selected applicants who confirmed their enrollment in Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission) will be eligible for scholarship grants according to the announcement of the Faculty of Engineering.

#### **7. Scholarship**

Admitted applicants to the Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission) will be eligible to be considered for a scholarship from International School of Engineering according to Faculty of Engineering announcement

#### **8. Tuition Fees and Special Tuition Fees**

Tuition fees and special tuition fees shall be in accordance with the Announcement of Chulalongkorn University.

Attached Document no. 1

Admission to the Bachelor of Engineering (International Program)  
Faculty of Engineering for the Academic Year 2022 (Early Admission)

---

Program Selection Criteria for Admission to the Bachelor of Engineering (International Program)  
Faculty of Engineering for the Academic Year 2022 (Early Admission)

**Major of study**

The Bachelor of Engineering (International Program), Faculty of Engineering, offers 5 majors of study; Nano Engineering, Aerospace Engineering, Information and Communication Engineering, Automotive Design and Manufacturing Engineering, and Robotics and Artificial Intelligence Engineering.

**Program Selection Criteria for Option 1 and Option 2**

To select the major of study, including Nano Engineering, Aerospace Engineering, Information and Communication Engineering, Automotive Design and Manufacturing Engineering, and Robotics and Artificial Intelligence Engineering, applicants who are eligible for program selection can apply to a maximum of 5 majors and rank freely by personal preference from January 21, 2022, 8:30 a.m. to January 22, 2021, 11:59 p.m., via <http://www.ise.eng.chula.ac.th>. Additional successful candidates (if any) will have to select their major of study from January 25, 2022, 8:30 a.m. - 4:00 p.m., via <http://www.ise.eng.chula.ac.th>.

The Faculty of Engineering will consider the program selection for the applicants based on their score rank and their preferred order of majors in accordance with the available slot of each study program. In case any of the programs reach the intended number of admitted students, the faculty will consider the next program in the applicant's preferred order.

1. Score rank refers to the ranking of the applicants, who are eligible to enroll, in descending order by evaluating their total scores according to *item 5.4.1* for the Test Score option and *item 5.4.2* for Portfolio option of this announcement.
2. Applicant who fails to select the program of study on the specified period will be considered as waiving the right for admission to the Bachelor of Engineering (International Program) for the Academic Year 2022 (Early Admission).

Attached Document no. 2

Admission to the Bachelor of Engineering (International Program)  
Faculty of Engineering for the Academic Year 2022 (Early Admission)

---

Detail and preparing process of portfolio as part of application submission  
to the Bachelor of Engineering (International Program)  
Faculty of Engineering for the Academic Year 2022 (Early Admission)

1. Preparing process of portfolio submission

1.1 Applicants must fill out the details of their portfolio via ISE online application system at <http://www.ise.eng.chula.ac.th> from **December 9 – 24, 2021 only**.

1.2 The portfolio must represent the applicant's work during high school study only.

1.3 Applicants must upload the evidence of the documents such as certificates, journals, research articles, VDO as required by the International School of Engineering, Faculty of Engineering, Chulalongkorn University as follows:

- A proof of accomplishment report of programs, projects, or activities which show applicant's academic knowledge of problem solving, contests, competitions, or other activities issued by the host, organizer, institute of an event (Applicant signs certified true copy for each document)
- 3 minutes VDO showing applicant's motivation and a clear goal to study at International School of Engineering, Faculty of Engineering
- A proof of the academic project or academic camps, conferences, seminars, training, online courses, and
- A proof of the volunteer activities and a summary of the applicant's duties on the team and project achievement.

2. Details of portfolio

Portfolio Criteria	Required Documents
2.1 Mathematics and Science Proficiency	- Provide the most recent high school or equivalent level transcript showing the applicant's Accumulated Grade Point Average (GPAX) not less than 3.25 out of 4.00 scales during at least 5 recent semesters and showing GPAX of Science courses

	<p>(Physics and Chemistry) as well as mathematics courses not less than 3.25. High school graduates or equivalent must submit GPAX total of 6 semesters.</p> <ul style="list-style-type: none"> <li>- Applicants have received outstanding awards at either national or international level in Math and Science. Provide proof of a Certificate of Accomplishment which can be verifiable by arranging the documents from national level certification to International level certification.</li> </ul> <p>(Applicants are able to show evidence of all academic competitions during their high school)</p>
2.2 Problem Solving Proficiency	<ul style="list-style-type: none"> <li>- Provide proof of academic research in the engineering field or research design which refers to the overall strategy that applicants choose to integrate to self-development of the study in the form of poster or infographic or presentation slide by selecting the best work no more than 3 projects.</li> <li>- Write a summary of the project performance of the mentioned projects, clearly identify a core factor that causes an issue, and address a hypothesis and methods to solve the problem. If applicants received a project achievement award, it must be an award received from a reliable organization (other than the school where the applicant has studied). The summary should not be <b>more than 300 words in length of A4 paper</b></li> </ul>
2.3 Motivation for Applying to the Faculty of Engineering	<ul style="list-style-type: none"> <li>- Details on the VDO Clip showing the applicant's self-expression determine the purpose of applying to the Faculty of Engineering (International Program), Chulalongkorn University by specifying the reason of being an engineer, a clear goal to study in an engineering field, what applicants want to achieve and career paths after graduation, <b>the length of VDO must not be over 3 minutes. The file size must not be over 300 MB and saved in MP4.</b></li> </ul>

<p>2.4 Self-Learning and Lifelong Learning</p>	<ul style="list-style-type: none"> <li>- Provide proof of certificate of participation Certificate of attendance, Certificate of presentation of the academic activities, trainings, seminars, conferences, online learning courses showing applicant's self-learning and having continuous self-development.</li> <li>- Write a summary on the participation of the activities such as training/ seminars/ online course learning and describe the applicant's personal strengths and weaknesses as well as self-awareness and personal development. Performing a self-analysis on the applicant's areas for improvement and necessary skills to advance a career path in the future. The summary should not be <b>more than 300 words in length of A4 paper.</b></li> </ul>
<p>2.5 Creativity, Initiatives, and Teamwork</p>	<ul style="list-style-type: none"> <li>- Provide proof of group leadership that show applicant's vital role in the group, encourage people to voice their ideas and opinions. Bring people together to solve challenging problems that require cooperation and communication skills. Able to take independent action and work well with others such as organizing academic activity, volunteer activity, Corporate Social Responsibility activity and so on.</li> <li>- Write a summary that describes the applicant's roles and responsibilities within the group and the achievement of working as a group by showing reliable evidence of the participation in group activities which has been approved by the applicant's institution, project leader, public or private organization, and specified activity date. The summary should not be <b>more than 300 words in length of A4 paper.</b></li> </ul>



### 3. Consideration on Criteria of Portfolio

The Faculty of Engineering (International Program) will evaluate the applicants who are eligible for program selection based on the criteria and required documents listed in item 5.4.2.3 and supporting document in item 2.1-2.5. The weighting assigned to the five criteria is as follows:

3.1 Mathematics and Science Proficiency	30%
3.2 Problem solving Proficiency	30%
3.3 Motivation for applying to the Faculty of Engineering (International Program)	10%
3.4 Self-learning and lifelong learning	20%
3.5 Creativity, Initiatives, and Teamwork	10%