

Admission Criteria and Qualification, Academic Year 2025

TCAS Round 1 (Portfolio)

Faculty of Engineering, Mahidol University

Tel. 0 28892138 ext. 6030

Website: <https://www.eg.mahidol.ac.th/egmu/education/admissions/bachelor-programs.html>

Bachelor of Engineering Program in Industrial & Production Engineering

Tuition fee: for Thai nationality students 600,000 Bath (75,000 Bath/semester)

for international students 960,000 Bath (120,000 Bath/semester)

In addition to meeting the basic qualifications outlined in the "Mahidol University Announcement on the Admission and Selection of Individuals for Undergraduate Studies, TCAS Round 1 Portfolio (Round 1/1 and Round 1/2), Academic Year 2025" (ประกาศมหาวิทยาลัยมหิดล เรื่อง การรับสมัครและคัดเลือกบุคคลเข้าศึกษาระดับปริญญาตรี ระบบ TCAS รอบที่ 1 Portfolio (รอบที่ 1/1 และ รอบที่ 1/2) ปีการศึกษา 2568), applicants must also possess the following qualifications and criteria.

Educational Qualifications

1. The applicant must be currently studying in Mathayom 6 and must have studied in Math-Science program or other relevant programs.
2. The applicant must either currently be studying or have earned a High School Certificate of Grade 12 in accordance with the American education system, Year 13 in accordance with the British education, any program or field of study is accepted.
3. The applicant must earned a Diploma or a certificate equivalent to high school education certified by the Ministry of Education, Thailand such as GED, International Baccalaureate (IB), GCE As-Level or GCE A-Level.

Additional Qualifications

Applicants who meet any of the following additional qualifications will receive special consideration:

1. Received awards in regional or national science project competitions during high school.
2. Received awards that demonstrate academic excellence, talents, or contributions to the community at the regional or national level during high school.

Health Qualifications

Applicants to the Bachelor of Engineering in Industrial and Production Engineering (International Program) must not have any health issues that would hinder their studies.

Application documents (required to be upload on MU-TCAS system)

1. A 1.5 x 2-inch straight-faced student ID photo, without sunglasses or a hat. Digital editing is prohibited. The file must be in .jpg format and must not exceed 240 KB
2. A copy of the identification card or passport (for international applicants), including the date of birth and passport's expiration date. The document must be signed and certified as a true copy. The file must be in .pdf format and must not exceed 2 MB.
If the applicant's name-surname does not matching with the one in the transcript, a photocopy of name-surname change certificate is required.
3. A copy of the house registration (Thai residents only). The document must be signed and certified as a true copy. The file must be in .pdf format and must not exceed 2 MB.
4. A copy of the most recent transcript (4 semesters for applicants who is currently studying, and 6 semesters for applicants who have graduated.) or a copy of diploma or certificate showing the completion of high school education or equivalent is required, based on the education system. The file must be in .pdf format and must not exceed 2 MB.
5. Portfolio, the entire portfolio should not exceed 10 pages, excluding the cover. And must include the following:
 - 5.1 A self-introduction, 1–2 A4 pages in length, addressing the following points:
 - 5.1.1 Reasons for choosing to study in the Bachelor of Engineering in Industrial and Production Engineering (International Program) with major in Dairy and Beverage Engineering.
 - 5.1.2 Future career goals and aspirations
 - 5.1.3 Attitude towards the chemical engineering profession.

- 5.2 Any creative work, participation in activities, awards, or certificates from high school years.
6. 3 Recommendation letters from the academic teachers or instructors.
7. GPA Certification form (ใบรับรองคะแนนเฉลี่ยของส่วนกลาง), download the form at <https://tcas.mahidol.ac.th>
8. Medical certificate approved by the public or private hospital of any country to certify that the applicant has no health conditions, which may interfere during education.
(Medical Check-up report and Chest X-ray report)

Interview fees

The qualified applicant eligible for interview must pay the interview fees 200 Bath.

The interview will be assessed based on the following criteria:

For applicants with Cumulative grade point average (GPAX) and Grade point average (GPA)

Enrollment Eligibility Criteria (Total 100%)		
GPAX	3.00	In accordance with the specified criteria.
GPA		In accordance with the specified criteria.
Subject areas of Science and Technology	3.00	
Mathematics	3.00	
English	3.00	
Interview Assessment (Total 100 points)		40%
Portfolio (Total 100 points)		60%
Medical examination		The test results are "normal" or specified that the applicants do not have any health issues that would hinder their studies.

For applicants with GCE AS-Level or GCE A-Level

Enrollment Eligibility Criteria (Total 100%)		
GCE AS-Level or GCE A-Level	At least 'C'.	In accordance with the specified criteria.
Interview Assessment (Total 100 points)		40%
Portfolio (Total 100 points)		60%
Medical examination		The test results are "normal" or specified that the applicants do not have any health issues that would hinder their studies.

For applicants with International Baccalaureate (IB)

Enrollment Eligibility Criteria (Total 100%)		
International Baccalaureate (IB)	Total score at least 24 points across 6 subjects, with no less than 4 points in each subject.	In accordance with the specified criteria.
Interview Assessment (Total 100 points)		40%
Portfolio (Total 100 points)		60%
Medical examination		The test results are "normal" or specified that the applicants do not have any health issues that would hinder their studies.

For applicants with GED

Enrollment Eligibility Criteria (Total 100%)		
GED	Total score of at least 660 points, with no less than 160 points in each subject.	In accordance with the specified criteria.
Interview Assessment (Total 100 points)		40%
Portfolio (Total 100 points)		60%
Medical examination		The test results are "normal" or specified that the applicants do not have any health issues that would hinder their studies.

Noted: The decision of the Student Admissions Committee for the Bachelor of Engineering program, faculty of Engineering, Mahidol University, for the Academic Year 2025 (Administrative Division) is considered final.

Careers Available After Graduation

Graduates of the Bachelor of Engineering in Industrial Engineering (International Program) can pursue various careers, including:

1. Industrial engineer in the dairy and beverage industries, food industry, and related sectors.
2. Quality control engineer in manufacturing plants.
3. Safety engineer.
4. Process control engineer.
5. Design engineer.
6. Sales engineer.
7. Engineer in financial institutions and service-related businesses.
8. Entrepreneur (Startup) in the dairy and beverage industries, food industry, and related sectors.