

Batch 2015 Malaysia



**FAST TRACK BACHELOR ADMISSION FOR EXCELLENT
STUDENTS**

TO:

**INTERNATIONAL STUDIES
IN ENGINEERING**

ISE 

**SPECIAL PROGRAMS OFFERED BY
UNIVERSITY OF DUISBURG-ESSEN, GERMANY**

Organized by:

UNIVERSITY DUISBURG-ESSEN
**MERCATOR
OFFICE**
& Multimedia Lab

UNIVERSITÄT
**DUISBURG
ESSEN**

Engineering Studies at University Duisburg-Essen, Germany

University of Duisburg-Essen

University of Duisburg-Essen (UDE) was created in 2003 through the merger of the university in Duisburg and the university in Essen, which were established in 1972. UDE is the youngest university in North Rhine-Westphalia and is among the ten largest universities in Germany. Students from more than 130 nations have come to pursue their study at UDE. There are many good reasons to opt for UDE, most importantly the various fields of studies, its research strength and the international orientation and care for students.

Details: <http://www.uni-due.de/en>

Faculty of Engineering at UDE

The Faculty of Engineering is the largest faculty in the University of Duisburg-Essen with more than 8,000 students. The faculty consists of the following departments:

- Civil Engineering
- Computer Science and Cognitive Science
- Electrical Engineering and Information Technology
- Mechanical and Process Engineering, including
 - Material Technology and
 - Industrial Engineering.

More information: <http://www.uni-due.de/iw/en>

Mercator Office & Multimedia Laboratory

Mercator Office forms the physical presence of the Faculty of Engineering at University Duisburg Essen (UDE), Germany in South East Asia's elite universities; the Universiti Kebangsaan Malaysia (UKM) and Universitas Indonesia (UI). Through the Mercator Offices, UDE provides services for students, researchers as well as guest professors. The provided services include administrative matters concerning applications, visa and accommodation matters, general enquiries about living and studying abroad. Mercator Office Mission:

- To pave a gateway to Malaysia & Indonesia for German students and lecturers, as well as to Germany for Malaysian & Indonesian students and lecturers,
- To promote a long term partnership with UKM& UI in cultural understanding,
- To offer insights into German higher engineering education structures.

More information: www.mercatoreducation.com

International Studies in Engineering at UDE

UDE's Faculty of Engineering has set up the degree program "International Studies in Engineering" (ISE), which offers a full range of internationally oriented Bachelor/Master degree courses. Part of the degree courses in ISE is offered as Double Degree Program (DD) together with UKM and UI. In addition, there is a bi-national PhD/Dr.-Ing.-Program dubbed 'PromISE', offering a PhD by research in cooperation between UDE and UKM.

Bilingual

The first year of studies in the ISE Bachelor program is identical for all degree courses. During the first year, the language of instruction for all Bachelor degree courses is 100% English. The overall distribution of language of instruction during the 3 years of the program is 50% in English and 50% in German. The minimum German language proficiency required to enter ISE is level B1.

International & Market Oriented

The basic principles of engineering and science will be taught on a broad basis. In addition, the students will study in a multicultural environment and will be integrated into research and team work projects to complement advanced courses in a variety of areas. The ISE program corresponds to global market conditions and was designed to match the job requirements for graduates. It particularly offers subjects of specific international relevance. Apart from the technical qualifications, the linguistic and cultural aspects offer special advantages for graduates in the global job market, which prepares them for responsible positions in international companies.

ISE Bachelor Degree courses:

- B.Sc. Civil Engineering
- B.Sc. Computer Engineering – Profile “Software Engineering”
- B.Sc. Computer Engineering – Profile “Communications”
- B.Sc. Electrical and Electronic Engineering
- B.Sc. Mechanical Engineering
- B.Sc. Metallurgy and Metal Forming

ISE Master Degree courses:

Computer Science and related Engineering

- M.Sc. Computer Engineering – Profile „Intelligent Network Systems“
- M.Sc. Computer Engineering – Profile „Interactive Systems and Visualization“
- M.Sc. Embedded Systems Engineering
- M.Sc. Computational Mechanics

Electrical Engineering

- M.Sc. Automation and Control Engineering
- M.Sc. Communications Engineering
- M.Sc. Power Engineering

Mechanical Engineering and Material Science

- M.Sc. Mechanical Engineering – Profile „General Mechanical Engineering“
- M.Sc. Mechanical Engineering – Profile „Mechatronics“
- M.Sc. Mechanical Engineering – Profile „Production and Logistics“
- M.Sc. Metallurgy and Metal Forming

Environmental Sciences and Engineering

- M.Sc. Management and Technology of Water and Waste Water
- M.Sc. Mechanical Engineering – Profile „Energy and Environmental Engineering“

More information on ISE: <http://www.uni-due.de/ise/>

Fast Track to Bachelor Studies in ISE

The Fast-track program is a unique program exclusively for selected UEC-SML graduates with excellent marks and with at least an A in mathematics or physics. Through the Fast-track, these graduates are offered direct entrance into ISE and this saves the students both time (no need to study STPM/ A-level) and money. Following and passing the Fast-Track program could give students the opportunity to study International Studies in Engineering as early as October 2015. Upon acceptance for the program, fast-track students need to undergo German Language classes up to level B1, 2 other preparation courses and pass the UDE entrance test. All classes and tests are available at Mercator Office and mandatory to pass.

The history of this program lies with the Ministry of Higher Education of North Rhine-Westphalia (NRW), which in January 2013 had issued a modified university law, allowing (in its paragraph 49) specific high school leavers to commence studies in NRW without following a prior *Studienkolleg* or *freshman program* (in Malaysia: STPM/ A-level). Referring to the long cooperation between UDE and Malaysia/Indonesia that had begun in 2002/2003, UDE had chosen Southeast Asia as region for this new project, and to allow excellent students to pursue their Bachelor Degree directly after finishing high school.

Fast Track Application Requirements for Malaysian Candidates:

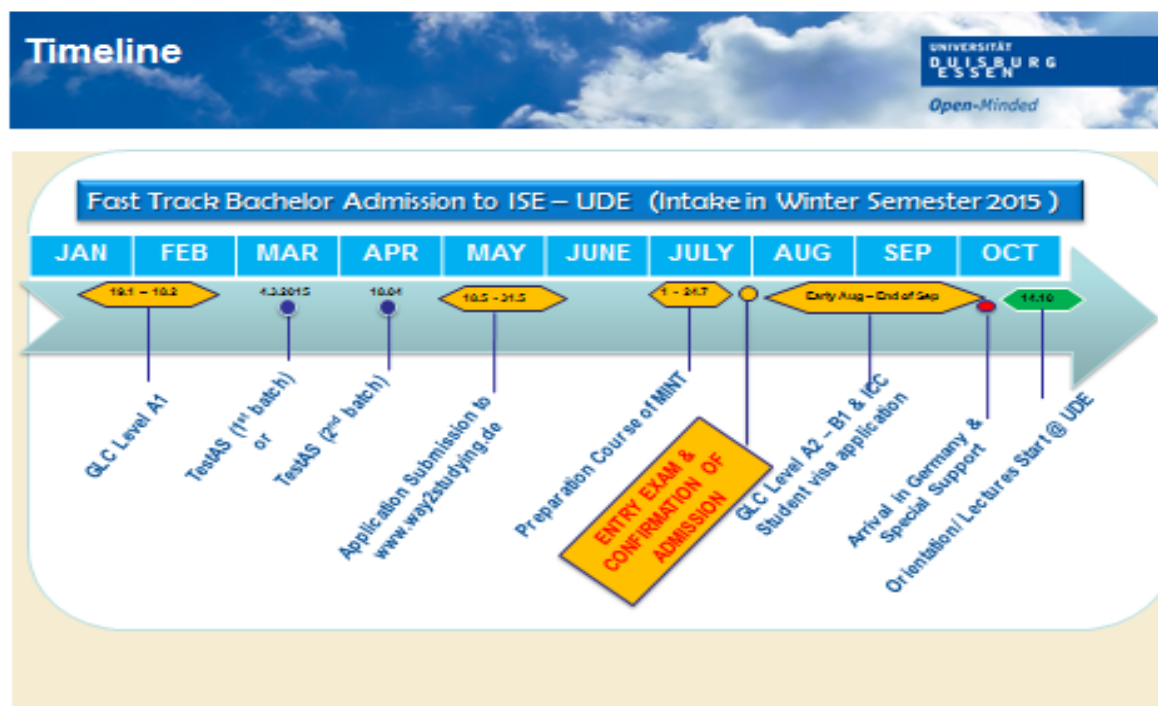
- Certificate of Higher Secondary Level for Chinese Schools in Malaysia (UEC-SML) with excellent grades and at least A in math or physics
- Academic report, showing consistently excellent marks per semester, especially for Natural Science subjects,
- TestAS (test for academic studies) result. Registration: <http://www.testas.de>
- English Certificate of TOEFL: 61 (IBT) / 550 (paper based), 173 (computer based) or equivalent,
- German Language Proficiency certificate level A1,
- CV and motivation letter for the chosen degree program

Mandatory Requirements to be settled for direct path to Bachelor Studies in ISE at UDE:

- Pass the UDE entry exam conducted at Mercator Office,
- German Language proficiency certificates of minimum level B1.

Timeline for the Fast Track Program

The following timeline shows the process of the several preparation courses consisting of German Language courses until level B1, preparatory course of MINT before the entry exam, as well as an Intercultural Communication Course. In case the student already possesses valid and recognised certificates of German Language proficiency, these courses can be omitted from the process. A more in-depth description of the different courses is provided below the timeline.



Timeline description:

TestAS

The Test for Academic Studies (TestAS) is the compulsory aptitude test for any international student who wants to follow a study program in Germany. TestAS assesses skills that will be very important for the success of students, such as logical thinking, recognizing structures or solving problems. Universities both in Germany and abroad use the results of TestAS to select students for their study programs. TestAS is conducted at Mercator office with following schedule:

Wednesday, 4th March, 2015

Registration period: 10 November 2014 to 19 January 2015

or

Saturday, 18th April, 2015

Registration period: 2 February to 9 March 2015

Register online: www.testas.de

MINT Course

Mercator Office offers a special program of intensive MINT courses to prepare High School graduates to deepen the necessary level of engineering subjects and natural sciences. MINT is abbreviated from Mathematics, Informatics, Natural science, Technology. This course is taught in English and consists of lectures, tutorials and homework in different disciplines. It has 45

hours of lecturing and 30 hours for tutoring. The MINT course consists of three sections: a) Applied Mathematics for Engineers, b) Technology for Electrical- and Communication Engineering, C) physics and combination of natural sciences and technology.

UDE Entrance Exam

The entrance exam will be conducted for eligible students after the end of MINT course. It will be conducted in English by a supervisor from UDE and costs Euro 150.00.

German Language Course (GLC) A1-B1 level

Mercator Office offers a special program of intensive German language courses up to level B1. The German language courses are designed as blended courses, combining language training with basic technical language to prepare candidates for the engineering program. This method offers a good knowledge of intermediate German for communication, as well as the most relevant (simple) German terms in Engineering.

Intercultural Communication Course

Not only the geographical distance between South East Asia and European countries, but also the differences in the way of life, culture and religion have a huge impact on daily life. Students need to understand these differences so that they can more easily accommodate to a new environment. Therefore, a special course of 20 hours in Intercultural Communication is offered by Mercator Office. The course provides insights about cultural differences between Asian and Western countries and strengthens knowledge of German culture. This decreases the risk of culture shock, which could lead to a decline in study performance.

Student Visa Application

Once a student passes the entry exam, the student will receive the admission letter from the university and can apply directly for a student visa. The visa application process for a student visa lasts around 6 weeks. Staff from Mercator Office will help by providing information about student visa requirements.

Special Support after arrival in UDE

During the preparation time in Malaysia, Mercator office, together with SCIES (Support Center for International Engineering Students) will provide support to find accommodation for the student in Germany. After arrival in Duisburg, students are introduced to everyday issues when enrolling and starting their studies. From registration onwards, additional German Language Courses are offered as part of the degree course, free of charge.

Preparation Course Fees

Through Mercator Office, the University of Duisburg-Essen (UDE) offers the following preparation package to prepare selected students for the Bachelor Studies in ISE at UDE for the winter semester intake in October 2015. The preparation courses will be conducted at Mercator Office. The courses are taught by highly qualified lecturers/instructors who are well experienced with teaching in both Germany & Malaysia. Below is the overview of the course package and services:

NO	ITEM & DESCRIPTIONS	Price
1	Intensive German Language Course A1+ <i>(180 teaching units, integrated with training skills in basic technical language)</i>	RM 3,400.00
2	MINT (Mathematics, Informatics, Natural Science and Technology) Course. <i>(75 teaching units divided into 45 teaching units of lecture and 30 teaching units of tutoring)</i>	RM 2,000.00
3	Intensive German Language Course A2+ <i>(120 teaching units, integrated with training skills in basic technical language)</i>	RM 3,400.00
4	German Language Course B1+ <i>(180 teaching units, integrated with training skills in basic technical language)</i>	RM 3,600.00
5	Intercultural Communication Course <i>(20 teaching hours)</i>	RM 700.00
6	Services <ul style="list-style-type: none"> • Support for information & consultation on the study at UDE • Support during application at UDE • Support in German Student Visa application • Support for accommodation arrangement during the Bachelor study at UDE • Pick up at the airport in Germany and escort to the accommodation Orientation phase & special support after arrival in UDE	RM 600.00
COMPLETE COURSE PACKAGE PRICE		RM 13,700.00

Terms & Conditions of Preparation Course Package:

1. Courses are conducted at Mercator Office (UKM, Bangi),
2. Course participants should attend at least 80% of the total number of lessons,
3. Full payment of course fee must be made upon registration of course,
4. No refund of course fees once participants have started attending lessons.

Estimated Costs for a Three Year Bachelor Degree

Of all popular destinations worldwide, Germany is the most affordable destination ([HSBC research, 2013](#)). The tuition-fee free education along with relatively low living costs makes Germany a very good choice for affordable, yet world-class education. During their studies, students are allowed to work part-time to ease the financial burden. After completion of studies, students can pursue further studies, or stay at least 1,5 years to find a job in Germany. Below is an overview of the estimated costs when pursuing a three year Bachelor Degree at UDE:

Overview of Estimated Fees & Living Costs -3 Years Bachelor Degree at UDE* 2015 - 2018		
1st Year (2 semesters) WS2015/SS2016	Month/Euro	Year/Euro
Tuition Fees	0	0
Social Contribution (paid each semester)	259	518
Health Insurance	77	924
Room rent (including electricity, heating etc.)	250	3000
Food, clothing, cell phone and internet	240	2880
Total 1st year		7322
2nd Year (2 semesters) WS2016/SS2017	Month/Euro	Year/Euro
Total 2nd year		7322
3rd Year (2 semesters) WS2017/SS2018	Month/Euro	Year/Euro
Total 3rd year		7322
Estimated costs for 3 years total		<u>21966</u>

** Budget estimation is subject to varying individual choices.*

Contact Persons

For more information and to apply for the Fast Track program, please refer to your local contact person.



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