



B.Eng. Industrial Engineering & B.Eng. Industrial Engineering (work-integrated)

Information Event on the New English-Taught Degree Programmes
Faculty of Engineering and Mathematics
International Office
11 March 2024

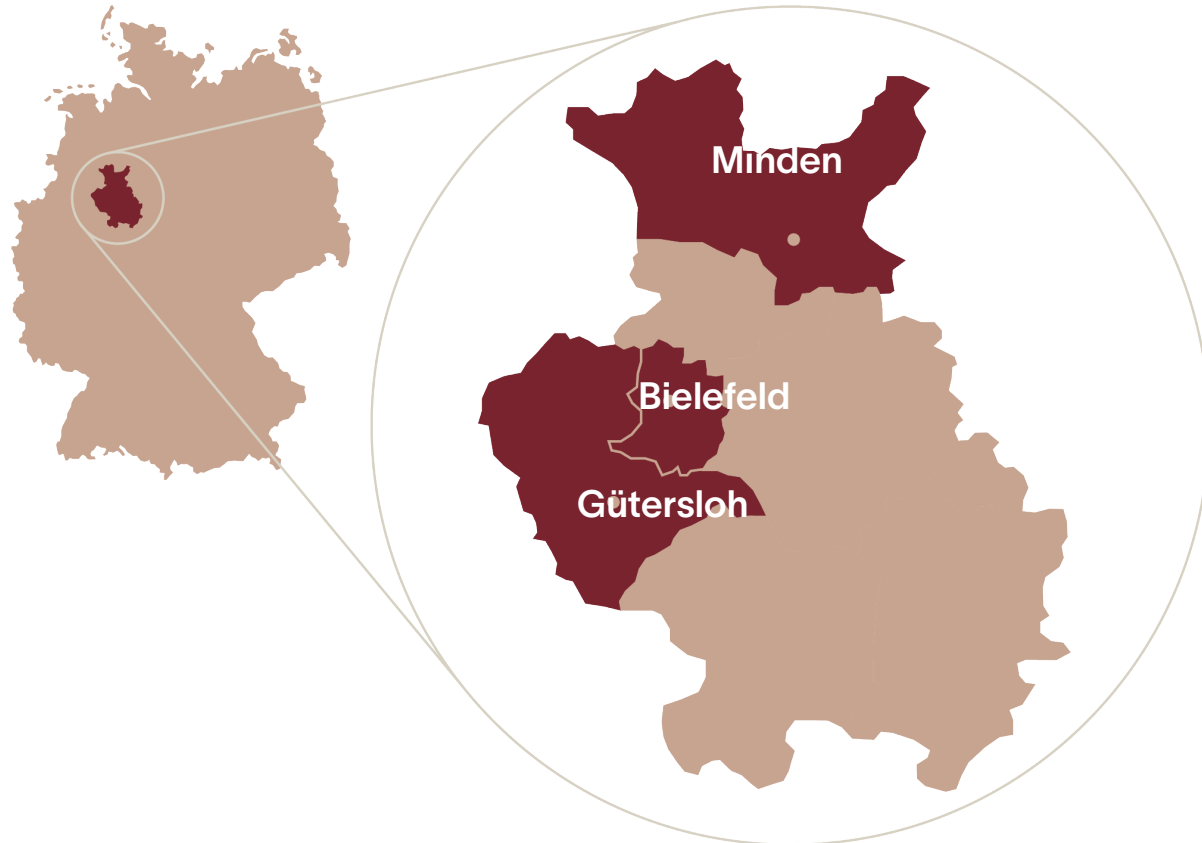
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& B.Eng. Industrial Engineering (work-integrated)**
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from Abroad**

1. ABOUT HOCHSCHULE BIELEFELD (HSBI)

3 CAMPUS IN THE REGION

Situated in on of Germany's strongest economic regions:
2.06 million inhabitants, 150,000 companies, €75 billion GDP



HSBI campus

- Campus Bielefeld:
8,311 students
- Campus Minden:
1,658 students
- Campus Gütersloh:
566 students

- Campus Gütersloh → a 10
minutes train ride away from
Bielefeld

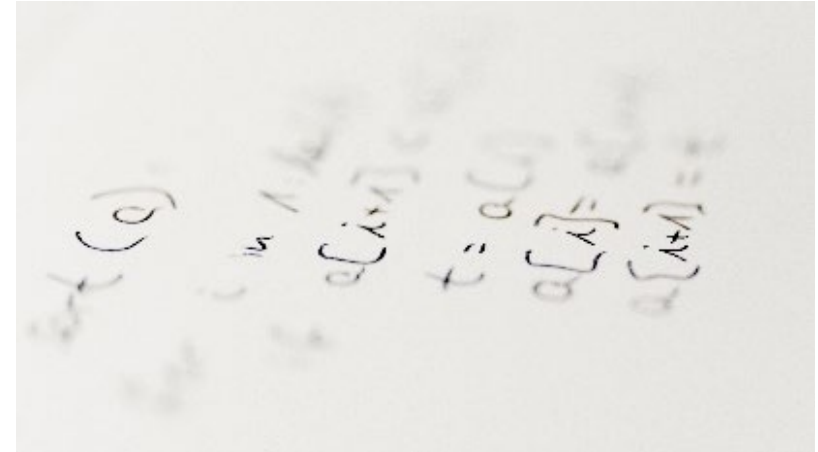
6 FACULTIES



Design



Minden Campus



Engineering and Mathematics



Social Sciences



Bielefeld School of Business



Health

CAMPUS GÜTERSLOH

- ┆ Since 2010
- ┆ 566 students
- ┆ 5 work-integrated Bachelor programmes
 - ┆ Industrial Engineering (English)
 - ┆ Industrial Engineering (German)
 - ┆ Mechatronics (German)
 - ┆ Digital Technologies (German)
 - ┆ Software Engineering (German)
- ┆ 2 buildings: "Track 13" and Schulstraße
- ┆ Center for Applied Data Science (CfADS)
with research projects



8 REASONS FOR STUDYING AT HSBI

1. **Practical relevance** HSBI maintains close contacts with the local industry
2. **High level of satisfaction among students** (2019 student survey: 80%)
3. **Support offers** All kinds of advice before and during your studies
4. **Range of different study formats:** full-time, *work-integrated*, part-time...



5. **Career prospects** most graduates find a job in which they are satisfied within 3 months (2019 survey, 71%)
6. **The location** The East Westphalia-Lippe region is one of the economically strongest regions in Germany
7. **Get to know the world** over 150 partner universities in 50 countries
8. **Bielefeld is a safe city** Bielefeld is the second safest city in Germany (2022, Allianz)



BIELEFELD

- 344,000 inhabitants (dec/2022)
- Landmark: Sparrenburg
(built around 1240)
- Places of interest: Botanical Garden,
Olderdissen Zoo, Dr. Oetker world...
- Events: Bielefeld night views, wine market,
Leineweber market (city festival), Theater
Bielefeld, DSC Arminia Bielefeld...



GÜTERSLOH

- 105,000 inhabitants (dec/2022)
- The city park and botanical garden are part of the European Garden Network
- Events: Ling Night of Art, open-air concerts during the Gütersloh summer festival, street food festival, Michaelis week (city festival), sound garden...



GÜTERSLOH – THE SILICON VALLEY OF INDUSTRIAL AUTOMATION



- █ Globally operating companies like Miele, Claas, Beckhoff Automation, Storck ...
 - █ Gütersloh also features more than 5000 predominantly family-run medium-sized companies from a wide range of areas
- ➔ Great job opportunities after graduation

STUDENT DORMS MORGENBREDE, BIELEFELD (EXAMPLE)



Photos: HSBI

STUDENT DORMS STENNER STRASSE, BIELEFELD (EXAMPLE)



Photos: HSBI

LEISURE TIME ACTIVITIES

Sports

- Courses and activities (in cooperation with Bielefeld University)
- Sports programme
<https://www.uni-bielefeld.de/einrichtungen/hochschulsport/sportprogramm/>
(only in German available)



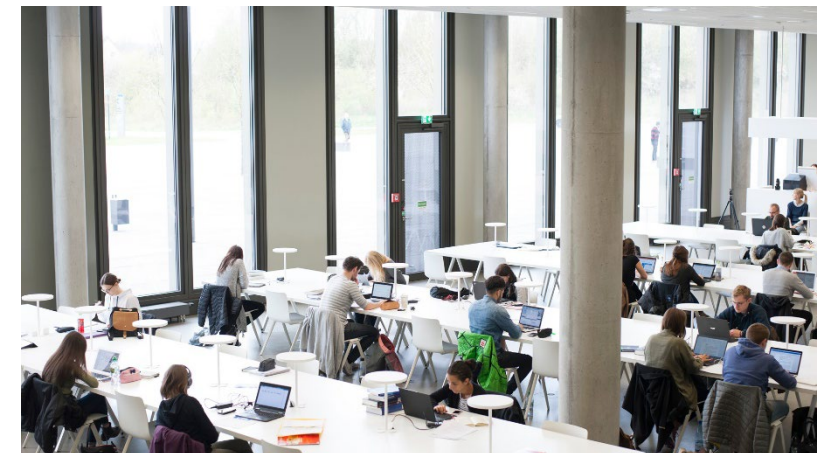
Photos: University of Bielefeld

2. B.ENG. INDUSTRIAL ENGINEERING & B.ENG. INDUSTRIAL ENGINEERING (WORK-INTEGRATED)

SYNOPSIS

- Taught in English
- Degree: B. Eng.
- Possible either full-time (INE) or work-integrated (PIE – employment in company)
- Duration: 7 semesters (180 ECTS)
- Location: Campus Gütersloh (near Bielefeld, Federal State of North Rhine-Westphalia)
- Costs: no tuition fee, administrative semester fee of approx. 300 Euro
- **Admission requirements:**
 - INE: High school degree + B2 level in English*
 - PIE: additionally work contract with company for 7 semesters (condition for companies – cooperation agreement with HSBI)

* more details on the application documents to be submitted will follow shortly

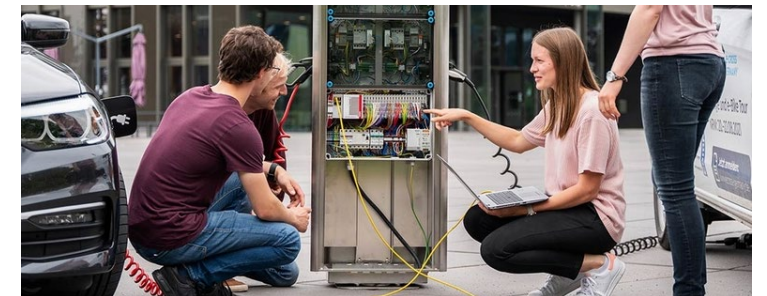


BACHELOR "INDUSTRIAL ENGINEERING"

CONTENTS

- Technology „Made in Germany“
 - Mechanical Engineering,
 - Electrical Engineering,
 - Industrial process & control, Engineering,
 - Programming...
- Business Administration
- Interdisciplinary topics
 - Climate change,
 - Sustainability,
 - Digitalization,
 - Diversity,
 - Globalization...

— — — — —
Made in Germany



BACHELOR "INDUSTRIAL ENGINEERING"

PROFESSIONAL FIELDS

- ┆ Interface between technology and business administration - **INTERDISCIPLINARITY**
- ┆ Future occupation in various areas:
 - ┆ Purchasing
 - ┆ Production planning and control
 - ┆ Logistics
 - ┆ Quality Management
 - ┆ Project Management
 - ┆ Sales



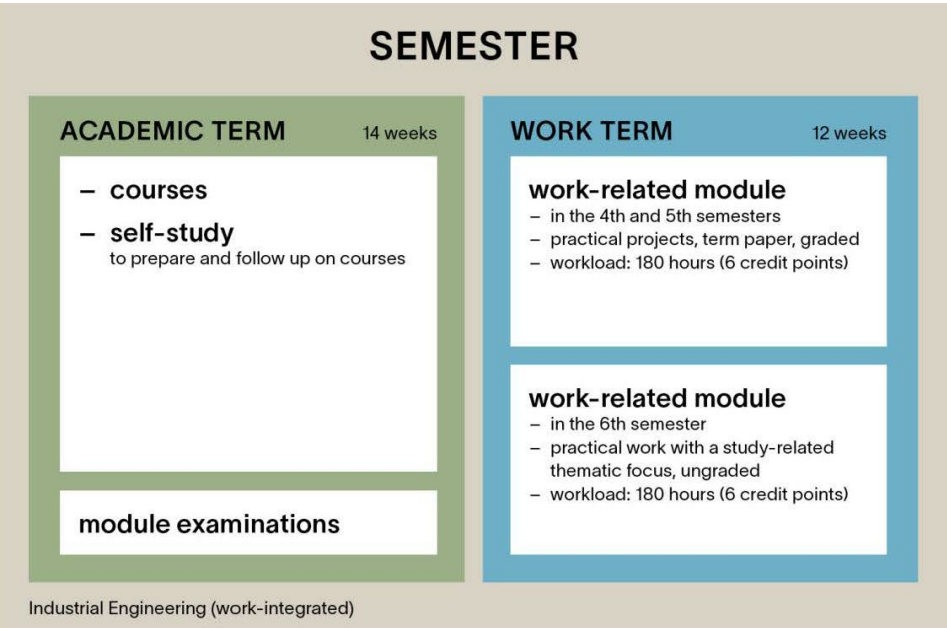
STUDY PLAN (INE/PIE)

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester
Principles of Economics	Accounting and Finance	Basics of Mechanical Design	Cost and Investment Accounting	Controlling	Marketing and Technical Sales	Human Resources Management
Introduction to German Culture & Language (for international students)	Procurement, Production & Logistics	Fundamentals of Electrical Engineering	Lean Production & Industrial Engineering	Industrial Automation Technology	Control Technology	Industrial Communication
Intercultural Communication (for German-speaking students)	Physics	Engineering Mechanics – Statics and Strength of Materials		Materials Engineering	Microcontroller Programming	
Basics of Programming		Databases	Business Process Modelling and IT Systems	Production Planning and Control	Supply Chain Management	Quality Management
Mathematics I	Mathematics II	Statistics	Operations Research			Bachelor Thesis
Future Technologies & Sustainability	Innovation & Project Management		Project 1 / work-related module 1	Project 2 / work-related module 2	Internship / work-related module 3	

Legend: Engineering, Business, Maths, computer science, interdisciplinary modules

BACHELOR "INDUSTRIAL ENGINEERING"

What does work-integrated mean?



	SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6	SEMESTER 7
ACADEMIC TERM <small>14 weeks</small>	courses (5 modules) self-study to prepare and follow up on courses	courses (5 modules) self-study to prepare and follow up on courses	courses (5 modules) self-study to prepare and follow up on courses	courses (4 modules) self-study to prepare and follow up on courses	courses (4 modules) self-study to prepare and follow up on courses	courses (4 modules) self-study to prepare and follow up on courses	courses (3 modules) self-study to prepare and follow up on courses
	module examinations	module examinations	module examinations	module examinations	module examinations	module examinations	module examinations
							bachelor thesis
WORK TERM <small>12 weeks</small>	practical work at an academic level	practical work at an academic level	practical work at an academic level	practical work at an academic level	practical work at an academic level	practical work at an academic level	practical work at an academic level
				work-related module graded	work-related module graded	work-related module ungraded	bachelor thesis

Industrial Engineering (work-integrated)

Semester	Theory phase / lecture period	Practical phase (in the company) / semester break
Fall term	End of September until beginning of January	Middle of January until end of March
Spring term	Beginning of April until middle of July	End of July until middle of September

COOPERATION COMPANIES



3. APPLICATION PROCESS FOR APPLICANTS WITH CERTIFICATES FROM ABROAD

I B.Eng. Industrial Engineering **vs.** B.Eng. Industrial Engineering (work-integrated)

→ B.Eng Industrial Engineering

- Through which application portal do I apply?

Do you have an entrance qualification that is equivalent to a German one?

That is the case if:

1. You are a citizen of an EU or EEA country (all member states of the European Union plus Liechtenstein, Iceland and Norway).
2. You live in Germany, at least one of your parents is a citizen of an EU or EEA country and works in Germany or has worked in Germany.
3. You live in Germany, your spouse or registered partner is a citizen of an EU or EEA country and currently works in Germany.
4. You have already completed a degree in Germany.
5. You have attended a German school abroad and have obtained a German university entrance qualification there.

1. You are a citizen of an EU or EEA country (all member states of the European Union plus Liechtenstein, Iceland and Norway).
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3. You live in Germany, your spouse or registered partner is a citizen of an EU or EEA country and currently works in Germany.
4. You have already completed a degree in Germany.
5. You have attended a German school abroad and have obtained a German university entrance qualification there.

- If **at least one** of the statements above applies to you, please apply through HSBI's application portal "CAT":
<https://cat.hsbi.de/>.
- If **none** of the statements above applies to you, please apply through uni-assist: <https://my.uni-assist.de/>.

APPLICATION THROUGH HSBI'S APPLICATION PORTAL "CAT"

1. First, register with "Hochschulstart", as you will receive two numbers after successful registration, which you must enter when applying via the CAT application portal:

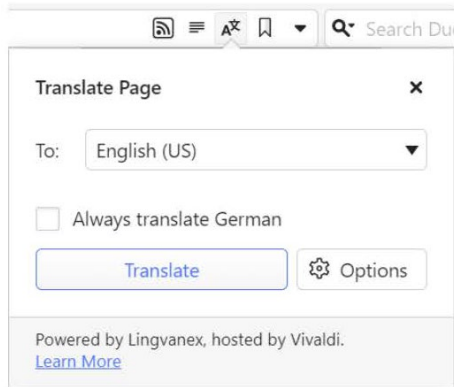
- ▮ the applicant ID (BID) and
- ▮ the applicant authentication number (BAN).

→ [Hochschulstart - applicant portal Log In](#)

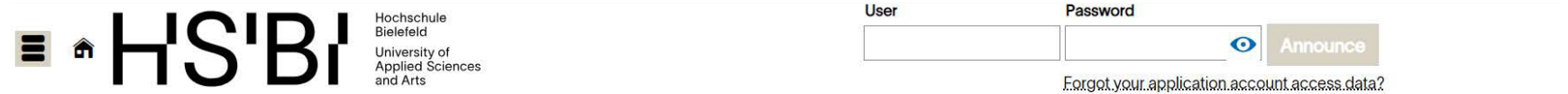
2. Then you register in the CAT portal, fill out your online application, upload your documents and submit the application

→ <https://cat.hsbi.de/>.

APPLICATION THROUGH HSBI'S APPLICATION PORTAL "CAT"



! If you don't speak German, please adjust your browser settings in order to translate the language into English



CAT – The Campus Assistant of Bielefeld University of Applied Sciences (HSBI)

Welcome to the homepage of the CAT - Campus Assistant

To submit your application or manage your own student data, please log in with your access data at the top right of this page. The following applies:


Persons without HSBI user data (you are or have not yet been enrolled at HSBI):


If you do not yet have access data, please first register via the link "Register now". You will receive user data that is valid for the entire application period. If you have already applied in the previous semester - but have not been enrolled - you must now register again. Your account from the previous semester has been deleted for data protection reasons.

Persons with HSBI user data (you are currently already enrolled at HSBI):

Please log in with your known HSBI user data. If you do not have them or have forgotten them, please contact the [IT Service Desk](#).

Persons with expired HSBI user data (you were already enrolled at HSBI, but are now exmatriculated): Please also register again. In the event of enrolment, your data will then be merged. If you have any questions, please contact the [Student Service](#).

 **Register now!**
Register here and set your access data. >

 **Contact Student Services**
Do you need support with applications and studies? You can reach our student service here. >

APPLICATION VIA UNI-ASSIST



 SIGN IN

Search courses of study

Semester

University

Federal state

Type of degree

(Partial) courses of study

- All
- Courses of study
- Partial courses of study

APPLICATION DOCUMENTS

- Proof of university entrance qualification (originals and certified translations into German or English),
- If applicable: Bachelor's certificate and transcript of records (originals and certified translations into German or English),
- Recognised English certificate*,
- ID/Passport copy,
- CV,
- Additionally for applicants with Chinese, Vietnamese or Indian certificates:
APS certificate.

*B2 level in English is required; the following language certificates are recognised:

- IELTS: score of at least 5.5,
 - TOEFL (IBT): score of at least 72,
 - TOEFL (PBT): score of at least 543,
 - TOEFL (ITP): score of at least 543,
 - Telc B2 certificate,
 - UNIcert II,
 - Cambridge English Qualification: score of at least 160.
-
- English natives and applicants with a high-school degree or an equivalent university entrance qualification obtained in an English-speaking country can provide proof of their English language skills with a document provided by their school or university stating that the language of instruction was English.

B.ENG. INDUSTRIAL ENGINEERING (WORK-INTEGRATED)

As an applicant with certificates issued abroad, you must apply by e-mail. Please send your application documents by e-mail to admission@hsbi.de, attaching the following application documents:

- Proof of university entrance qualification (originals and translations into German or English),
 - Recognised language certificate,
 - Copy of the cooperation agreement,
 - Passport copy,
 - CV.
-
- After you have applied by e-mail, we need three physical signed copies of the cooperation agreement with the cooperation company. Please submit these to HSBI by post or clarify with the company whether it sends us the documents.

APPLICATION PERIODS

- B.Eng. Industrial Engineering:

- Uni-assist: 1 May 2024 – 15 July 2024
- CAT: 1 June 2024 – 15 July 2024

- B.Eng. Industrial Engineering (work-integrated):

- via E-Mail: 1 February 2024 – 15 July 2024

TIP: HSBI'S GUIDE FOR INTERNATIONAL STUDENTS

HS'BI

Hochschule
Bielefeld
University of
Applied Sciences
and Arts

International
Office

Guide for International Students



[hsbi.de](https://www.hsbi.de)

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! You can download it here:
<https://www.hsbi.de/en/international-office>

CONTACT

For questions regarding the degree programmes:

Faculty of Engineering and Mathematics

- Prof. Dr. Mariam Dopslaf
 - Phone +49 5241 . 21143-51
 - E-Mail: mariam.dopslaf@hsbi.de
- Dr. Maria Kobert
 - Phone +49 5241 . 21143-80
 - E-Mail: maria.kobert@hsbi.de

↗ www.hsbi.de/guetersloh

For questions regarding the application and admission process:

International Office

- Emily Singh
 - Phone: +49.521.106-70459
 - E-Mail: admission@hsbi.de
- Weronika Ludwig
 - Phone: +49.521.106-70797
 - E-Mail: admission@hsbi.de

↗ <https://www.hsbi.de/en/international-office>

CONTACT FOR COMPANIES

Department for Scientific Further Education, Work-Integrated and Part-Time Studies

- Marcus Miksch (Head of Department)
 - Catharina Borgart (Deputy Head of Department)
 - Kathrin Stüwe
 - Ramona Minnerop
- praxisintegriertes-studium@hsbi.de

↗ <https://www.hsbi.de/praxisintegriertes-studium>



Hochschule Bielefeld

We look forward to welcoming you to HSBI! 😊