OVERVIEW

Degree
- Bachelor of Engineering (B.Eng.)

Duration
- 7 Semester

Semester start
- Wintersemester, 01 October

Admission requirements
- University entrance qualification
  For international degrees, please check the DAAD website
- Language level English B2 for entries in 2022

Backround knowledge
- General technical understanding

Further study programmes
- Master Healthy and Sustainable Buildings
- Master Bau- und Umweltingenieurwesen

Study Location
- European Campus Rottal-Inn, Pfarrkirchen

APPLICATION

Application period
- 15 April – 15 July

Online application
- In the Primuss portal at www.th-deg.de/en/apply

Deadline for submitting documents
- Proof of university entrance qualification before 27 July

Notice of acceptance or denial
- In the Primuss portal until mid August

Enrolment
- You will find information on this in the admission notice

Late placement for open places
- Via waiting list

Prep courses
- In September www.th-deg.de/prep-courses (no obligation)

www.th-deg.de/bpp-b-en

STUDY LOCATION

European Campus Rottal-Inn
Max-Breiherr-Strasse 32
84347 Pfarrkirchen, Germany

www.th-deg.de/en/ecri-campus

CONTACT

Are you interested in the Building Products and Processes study programme and would like to find out more?

Enquiries about the course

www.th-deg.de/bpp-b-en

General enquiries about studying at DIT

welcome@th-deg.de
www.th-deg.de/en/advice

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PIONEERING & VIBRANT

BACHELOR
BUILDING PRODUCTS AND PROCESSES

BUILDING COMPETENCE - FROM DEVELOPMENT TO INSTALLATION

The construction industry is evolving in many ways right now, and so are the courses on offer. With Building Products and Processes, the Deggendorf Institute of Technology primarily addresses the megatrends digitalisation, climate change, globalisation and internationality.

You learn how to develop resource-saving, recyclable building products that are reusable at best case. And you are in a position to digitally process these with the corresponding programmes and models in medium and large building construction projects. The lectures will enable you to do this on a national and international basis.

A valuable component of your studies at DIT are the numerous local companies - there you can find laboratory internships as well as positions for your practical semester and your thesis. The hybrid study structure of engineering and management as well as the bilingual lecture concept provide you with a unique possibility in the German study landscape.

SUBJECT OVERVIEW

1. Sem.	Engineering Mathematics, Fundamentals of Building Physics I (Thermal Protection), Construction Chemistry, Structural Engineering, Building Informatics, Workshop Architecture, Technical English/Technical German
2. Sem.	Electrical and Power Engineering, Fundamentals of Building Physics II (Fire Protection), Fundamentals of Building Physics III (Building and Room Acoustics), Building Material Characteristics, CAD 2D/3D (BIM), Intercultural Competences and Management Skills
3. Sem.	Law I (Construction Law/Construction Contract / VOB), Construction Calculation (Offer and Project Cost Control), Project Management I (Planning and Control), Project Management II (Organisation, Lean), Digital Building Process (BIM 4D to 6D), Scientific Methods, Compulsory Elective (AWP)
4. Sem.	Commercial Management (Method of Measurement, Invoicing), Law II (EU Construction Product Regulations), Construction Material Tests, Product Management I (International Product Strategy), Product development and testing, Seminar on Project Management
5. Sem.	**Practical Semester** Internship, PLV 1, PLV 2
6. Sem.	Building Trades I (Shell and Core Construction/Steel Construction/HVAC/Energy), Building Trades II (Interior Fit-out), Building Trades III (Building Envelope/Roof), Building in Existing Structures (Structural Damage, Removal/Demolition, Renovation), Compulsory Elective I (FWP-1), Seminar on Product Development
7. Sem.	**Bachelor module** (Bachelor Thesis, Thesis Defense) Product Management II (International Product Marketing), Sustainable Construction, Compulsory Elective II (FWP-2), English II (Negotiations)

CAREER PROSPECTS

As a graduate engineer, you are able to develop, market and manage sustainable building products all over the world.

You will use your knowledge of the complex building systems of building structures (concrete, masonry, steel and timber construction, hybrid construction methods). The same applies to your knowledge of the building structure (façade to roof) and interior finishing (floor, ceiling, wall). You have to be fit in these areas, because the demands on the products are increasing: architecturally and constructionally sophisticated, resource-saving, recyclable, healthy. And these are only some of the attributes that a building product should fulfil in the future. You also know the finishing trades (building automation, heating, ventilation, sanitation) including their numerous interfaces.

In the development and processing of building products, engineers in the Building Products and Processes degree programme rely on the continuous use of digital building blocks (BIM) for the efficient networking of all those involved in the planning, production and construction of buildings.

After graduation, you will have a high level of language competence. The confident handling of both German- and English-language literature, building regulations, EN standards, etc. is daily business for engineers in the Building Products and Processes degree programme. You have to implement and coordinate building specifications and technical documents accordingly during construction. The modular structure of the lectures and the teaching of both technical and language skills offer graduates excellent career opportunities in all branches of the national and international construction industry. If you want, you can travel the world through your profession.