

INTERNATIONAL UNDERGRADUATE PROGRAM GEODESY AND GEOMATICS ENGINEERING

A Global Journey in Geodesy and Geomatics, Unlocking Opportunities Worldwide



The International Undergraduate Program in Geodesy and Geomatics Engineering provides an English-taught, international-standard education for future geospatial professionals. Open to Indonesian and international students, it includes a compulsory exchange semester at ITB partner universities abroad for global exposure and networking.



What You'll Learn in Geodesy and Geomatics

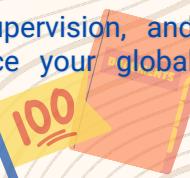
- Satellite geodesy using satellites and GNSS for precise Earth measurement
- Surveying precise positioning and mapping for land and infrastructure
- Cadastre land registration, property boundaries, and land management
- Remote sensing analysing satellite imagery to monitor Earth's surface
- GIS managing spatial data for better decisions
- Hydrography mapping rivers, coasts, and seabeds
- Field courses hands-on surveying, mapping, and hydrographic practice



Why Choose the International Class in Geodesy and Geomatics at ITB?

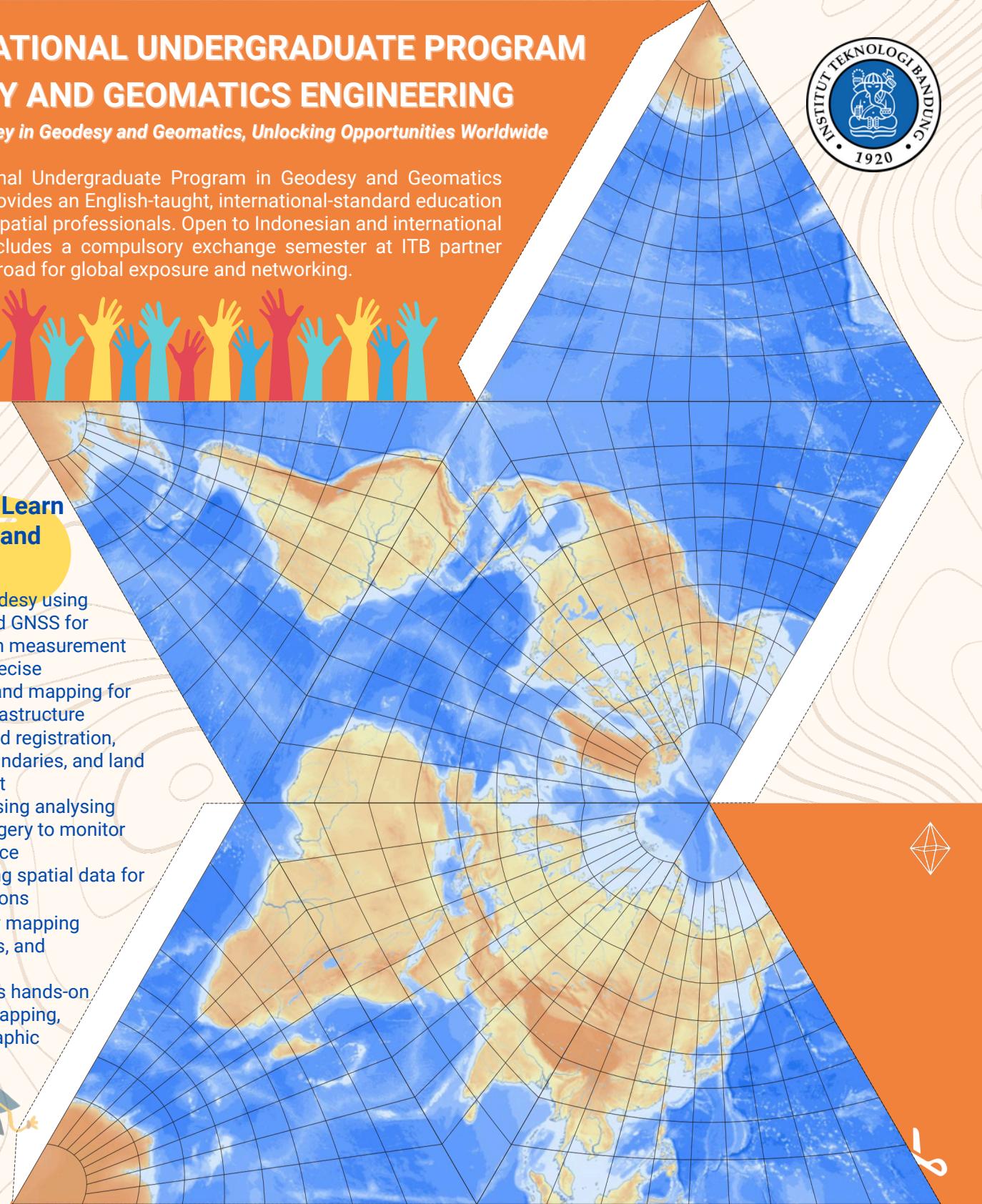
1. International Exposure

Opportunities for outbound exchanges, joint supervision, and engagement with visiting professors to enhance your global perspective.



2. Integrated Bachelor-Master Program (IBMP)

A streamlined pathway allowing high-achieving students to continue directly into a master's program in an accelerated timeframe.



International Collaborations and Partnerships

Collaborative Networks

- ASEAN – European Academic University Network (ASEA-UNINET)
- Asian International Mobility for Students (AIMS)

Partnerships with Prestigious Universities:

- Technische Universität München, Germany
- Universiti Teknologi Malaysia (UTM), Malaysia
- Universitas of Philippines Diliman, Philippines
- Óbuda University, Hungary
- Henan Polytechnic University, China
- Technische Universität Hamburg, Germany
- HafenCity University, Germany

Career Prospect

- Oil, Gas, and Energy sectors
- Remote Sensing & Satellite Data Industry
- Technology & Data Industry
- Infrastructure & Construction
- Environmental Management
- Land Administration & Surveying Services
- Urban and Regional Planning Agencies
- Disaster Management and Humanitarian Organizations
- Mining and Georesources Industry



 **Mapping
the Earth,
Shaping
the Future!**



**Scan Here for
More Details!**



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