



GLOBAL EXCHANGE OPPORTUNITY

University of New South Wales
Australia

University Technology of Malaysia
Malaysia

University of British Columbia
Canada

Chulalongkorn University
Thailand

University of the Philippines
Philippines

Vienna University of Technology
Austria

Kagawa University
Japan

University of Twente
The Netherlands

Kiel University
Germany

Technical University of Darmstadt
Germany

General information, requirements & documents, schedule, admission & tuition fees, academic qualification test, and online registration can be found in <https://admission.itb.ac.id>

 [geodesigeomatika.itb](https://www.instagram.com/geodesigeomatika.itb)

 [geodesigeomatika.itb](https://www.facebook.com/geodesigeomatika.itb)

For more inquiries & questions, please contact international.gd@itb.ac.id

 gd.fitb.ac.id

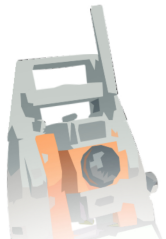


EARTH DATA SCIENCE INTERNATIONAL UNDERGRADUATE TRACK



THE IMPORTANCE OF EARTH DATA SCIENCE

Data has become *cheaper, faster, and more central* to analyzing the broad scope of work carried out by Earth scientists than ever before. Beginning with *data acquisition*, and on to *processing, modelling, and analysis*, advanced computing techniques are a core skill practised by students and faculty. These skills are in high demand across many *disciplines and jobs* today.



ROLE OF GEODESY & GEOMATICS ENGINEERING

Geodesy & geomatics engineering is playing important role in determining *the dynamic of the earth*, producing *precise positioning* for any features on earth, *imaging and monitoring* the earth, producing *high accuracy and 3-dimensionally data*, processing and analyzing data to information to decision, developing any *geospatial information systems for solutions* of environmental, social or even political *problems*.

WHY YOU SHOULD JOIN INTERNATIONAL UNDERGRADUATE TRACK

GLOBAL PERSPECTIVE

Studying internationally provides exposure to diverse cultures, perspectives, and ways of thinking.

International undergraduate track allows students to access high-quality education, advanced research facilities, and expert faculty members in their chosen field.

ACADEMIC EXCELLENCE

LANGUAGE SKILLS

Acquiring fluency in a foreign language enhances communication skills and opens doors to global employment opportunities.

Studying internationally facilitates the development of a global network of peers, professors, and professionals from different backgrounds.

NETWORKING & CONNECTIONS

PERSONAL GROWTH

Living in a foreign country encourages adaptability, resilience, and problem-solving skills, which are highly transferable and beneficial in various aspects of life.

International exposure and a global network can significantly enhance job prospects.

CAREER OPPORTUNITIES

CULTURAL ENRICHMENT

Experiencing new traditions, cuisines, and lifestyles fosters appreciation for diversity and broadens one's cultural horizons.



UNDERGRADUATE PROGRAM ON
GEODESY & GEOMATICS ENGINEERING
Faculty of Earth Sciences & Technology
Institut Teknologi Bandung

Government & Survey Agencies

Be involved in mapping, environmental monitoring, spatial data management, and infrastructure planning in government agencies such as BPN & BRS.

Oil & Gas Industry

Assist in geodesic surveys and mapping to determine the locations of oil and gas wells, monitor land movement, and engage related geospatial data.

Geospatial Consulting

Provide services in mapping, environmental monitoring, spatial data management, spatial analysis, and modelling for National and Multinational Companies.

Geospatial Software Development

Develop software related to Geodesy and Earth Data Science, such as geographic information system (GIS) development or innovative mapping applications for National and Multinational Companies.

Education & Research

Pursue further studies, engage in academic research, or become educators at universities or research institutes.

Natural Resources & Environmental Management

Conduct data monitoring and analysis to protect the environment, manage water resources, or manage coastal areas.

Urban & Regional Planning Development

Contribute to urban and regional planning development by providing crucial spatial information for modelling and data analysis.

CAREER OPPORTUNITIES FOR GRADUATES

BROAD & EVOLVING JOB OPPORTUNITIES AWAIT YOU