



Undergraduate Program on
Geodesy and Geomatics Engineering
Faculty of Earth Sciences and Technology
Institut Teknologi Bandung

BE AN EXPERT IN
EARTH
DATA
SCIENCE

COMING
SOON

STUDY PROGRAM ON
GEODESY & GEOMATICS ENGINEERING

INTERNATIONAL UNDERGRADUATE PROGRAM

STARTS AUGUST 2022
REGISTRATION FROM FEBRUARY 2022

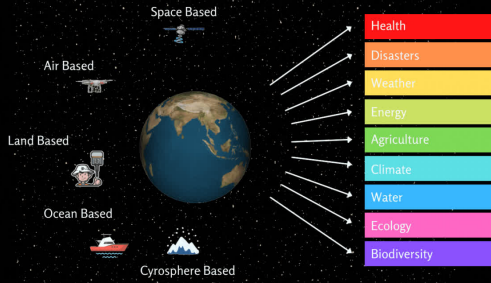
GENERAL INFORMATION, REQUIREMENT AND DOCUMENT, SCHEDULE, ADMISSION AND TUITION FEES, ACADEMIC QUALIFICATION TEST, AND ONLINE REGISTRATION CAN BE FOUND IN

[HTTPS://ADMISSION.ITB.AC.ID/HOME/INTERNATIONAL/UNDERGRADUATE](https://admission.itb.ac.id/home/international/undergraduate)

FOR ANY INQUIRIES AND QUESTIONS, PLEASE CONTACT:

INTERNATIONAL@GD.ITB.AC.ID

[@geodesigeomatika.itb](https://www.instagram.com/geodesigeomatika.itb) [f geodesigeomatika.itb](https://www.facebook.com/geodesigeomatika.itb) gd.fitb.itb.ac.id



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 AND 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 GEOSPATIAL DATA, PROCESSING AND ANALYZING DATA TO INFORMATION TO DECISION, DEVELOPING ANY GEOSPATIAL INFORMATION SYSTEMS FOR SOLUTIONS OF ENVIRONMENTAL, SOCIAL OR EVEN POLITICAL PROBLEMS.

WHY

INTERNATIONAL?



ENHANCING NETWORK

More connections to foreign students and peers will open new world of opportunities

SHINNING CREDENTIAL

More experience to gain new skills, language, cultural intelligence, exceptional learning experience, etc.



CULTURALLY INTELLEAGENT

It is important to know the communities, their perceptions, and culture. It enables a smooth transition in your professional career.



PROFESSIONAL DEVELOPMENT

Better opportunity to develop soft skills like communication, leadership, teamwork, decision making, and many more.



PERSONAL DEVELOPMENT

Learn about your own strengths and weaknesses, business ethics, cultural preferences of the country, and so on.



BE INDEPENDENT

International exposure will challenging you to make efforts to socialize and be independent



SELF CONFIDENCE

Increasing spatial awareness, navigational and negotiating skills that will increase also your self confidence



LANGUAGE SKILLS

International exposure can teach you a language or two, earning you new brownie points as multilingual person



FIND YOUR PASSION

International exposure can bring a new perspective that would trigger new passion and give you a renewed outlook towards life.



DIVERSE EDUCATION

Experience a different learning process, that will teach you to adapt to different learning environments



PROGRAM FOR

INTERNATIONAL EXPOSURES

STUDENT EXCHANGE

Student will have to have 1 - 2 semesters study at one of partner university abroad in sixth and/or seventh semester



VISITING PROFESSOR

Some professors from partner universities will be assigned for several courses to give lecture at ITB



INTERNSHIP

Student will have internship at least for 1 month for internship at our partner in geospatial industry/company



FIELD WORK

Field work for 2 - 4 weeks at certain field for topographic, photogrammetric or hydrographic survey will be executed at fifth to sixth semester



DOUBLE DEGREE*

Double degree program is initiated* with some universities partner and will be launched withing next 2 - 3 years



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