

ALUMNI TESTIMONIALS



Wilson
Project Engineer in APRIL Ltd
(Class of 2016)

"While working for a manufacturing company, I realize that sustainability issues are one of the most prominent industrial goals. As a graduate of Bioenergy Engineering and Chemurgy, I am equipped with a solid foundation of knowledge and a sustainable mindset that is truly beneficial. The comprehensive curriculum is obviously well-structured to enable us to be technologically literate."

Muhammad Faizarha Handiman
Process Engineer in Syntek
Energy & Control
(Class of 2016)



"The ITB Bioenergy Engineering and Chemurgy program is among one of the best places to learn and develop insights on renewable energy. During my undergraduate studies, I was provided with a strong scientific basis as well as excellent critical thinking and problem-solving skills. This is extremely useful in the field of renewable energy, in which I currently work. What's more, the study and research facilities, as well as qualified lecturers, have supported me tremendously while developing skills there."



Find Us on:



@bioenergikemungitb



<https://tb.che.itb.ac.id/>



**EXCELLENT ACCREDITATION
(BAN-PT)**



UNDERGRADUATE STUDY PROGRAM BIOENERGY ENGINEERING & CHEMURGY

INDUSTRIAL TECHNOLOGY FACULTY
BANDUNG INSTITUTE OF TECHNOLOGY

ITB GANESHA CAMPUS

Jl. Ganesha No. 10, Bandung

ITB JATINANGOR CAMPUS

Jl. Let. Jend. Purn. Dr. (HC) Mashudi No.1, Jatinangor

<https://tb.che.itb.ac.id/>

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@bioenergikemungitb

What is Bioenergy? Chemurgy???

Bioenergy
is renewable energy derived from plant-based materials

Chemurgy
is a branch of applied chemistry that is engaged in the processing of industrial products from agricultural/plantation raw materials



Why is this study program established???

Indonesia is the second most biodiverse country in the world.



The largest producer of palm oil worldwide.

The 2nd biggest producer of pine sap worldwide.

The 2nd biggest producer of rubber worldwide..

Someone should process these!



Thus, Bioenergy and Chemurgy Engineering is established.

Milestone of Bioenergy and Chemurgy Engineering Study Program



2013

BCE was a sub-study program in Chemical Engineering



2014

BCE study program was established under FIT

2015

First student batch of BCE study program

BCE: Bioenergy and Chemurgy Engineering
FIT: Faculty of Industrial Technology



2019

First graduation of BCE bachelor students

How to enroll???

- SNMPTN ✓
- SBMPTN ✓
- Independent selection test ✓



Further enrollment procedure is available through <https://admission.itb.ac.id/>

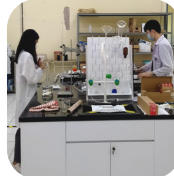
What is the curriculum like???

Course load
144 credits

4-year study
/ 8 semesters

Year 1 : *TPB*
(Year of Common Preparation)

Year 2-4:



Lecture

Instructional Laboratory

Research

Plant Design

Internship

What will we learn in the study program???

Mass and Energy Balance

Thermodynamics

Process Engineering Mathematical

Chemical Engineering Kinetics

Biomass Thermal Conversion

Bioenergy Process Technology

Plant-based Chemical Products

Sustainable Bioenergy and Chemurgy

Heat Transfer

The complete curriculum can be accessed through this barcode



What are possible career options after graduation???

Bioenergy-Chemurgy Industry & Chemical Industry



Reckitt Benckiser



APRIL
PT. Riau Andalan Pulp and Paper



PARAGON
TECHNOLOGY AND INNOVATION

PT. PARAMA LAGA ENERGI

Banking and General Work



Other

Entrepreneur Start-up - Even politicians

Researcher



Advanced Study



*2021 alumni survey data