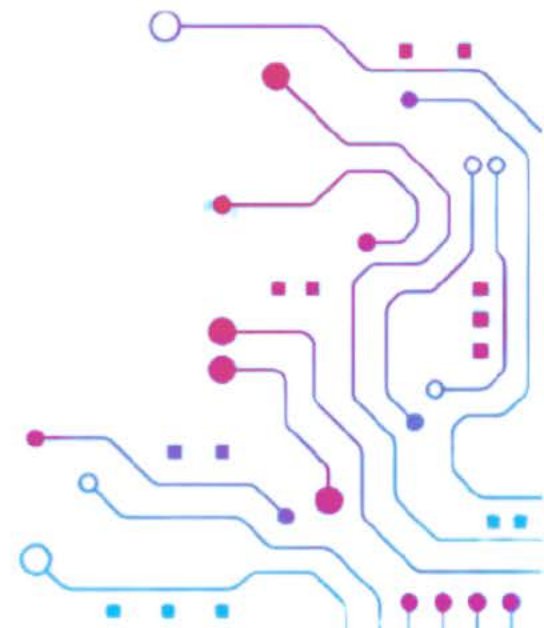


www.ft.ukwms.ac.id



PROGRAM STUDI:
♦ TEKNIK ELEKTRO



FAKULTAS
TEKNIK
UNIVERSITAS KATOLIK WIDYA MANDALA



Widya Mandala Surabaya Catholic University

Faculty of Engineering 2024





**Seven departments, and nine programs,
with a wide range of courses. We also host
two leading research centers.**

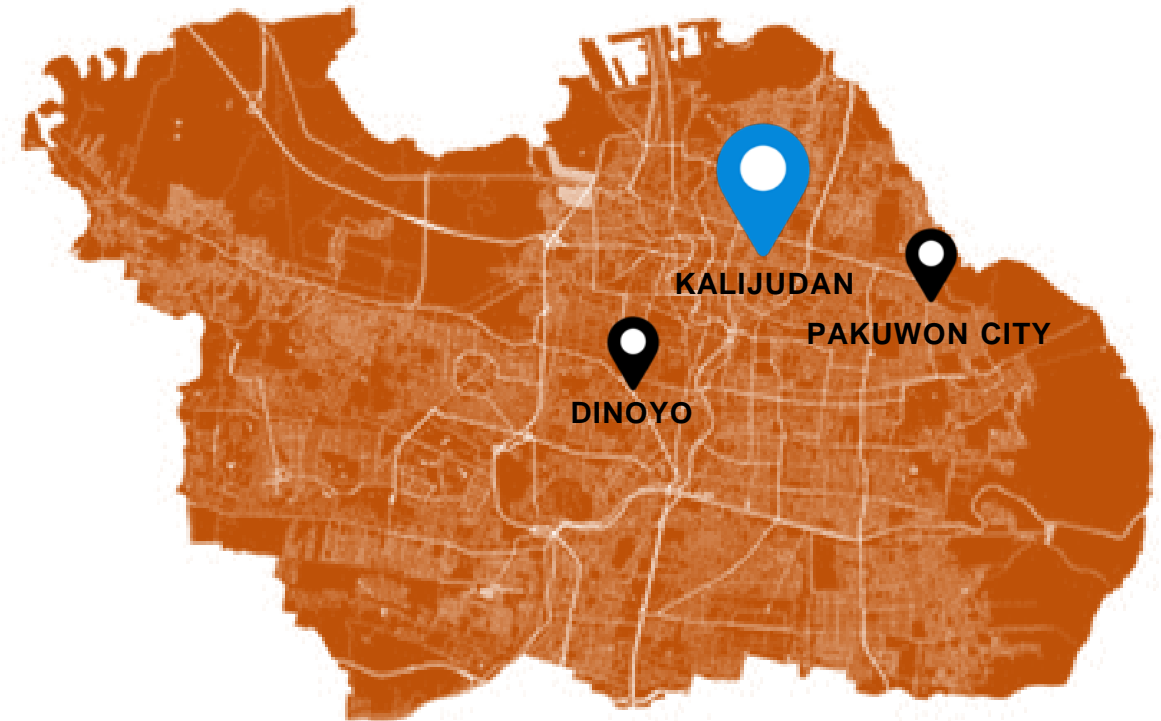


Located in Vibrant Surabaya

- Department of Electrical Engineering
- Department of Chemical Engineering
- Department of Industrial Engineering
 - Surabaya Campus
 - Madiun Campus
- Department of Informatics
- Department of Chemical Engineering
 - Master's Program
- Department of Engineer Profession Education

- Recognition of Prior Learning Program
- International Bachelor Program

- Taiwan – Indonesia Science and Technology Innovation Center
- Collaborative Research Center for Zero Waste and Sustainability





**More than 2000 distinguished alumni,
working globally**



We take pride in our numbers

42 Years of
experience

46 Distinguished
teachers

20+ Global
partners

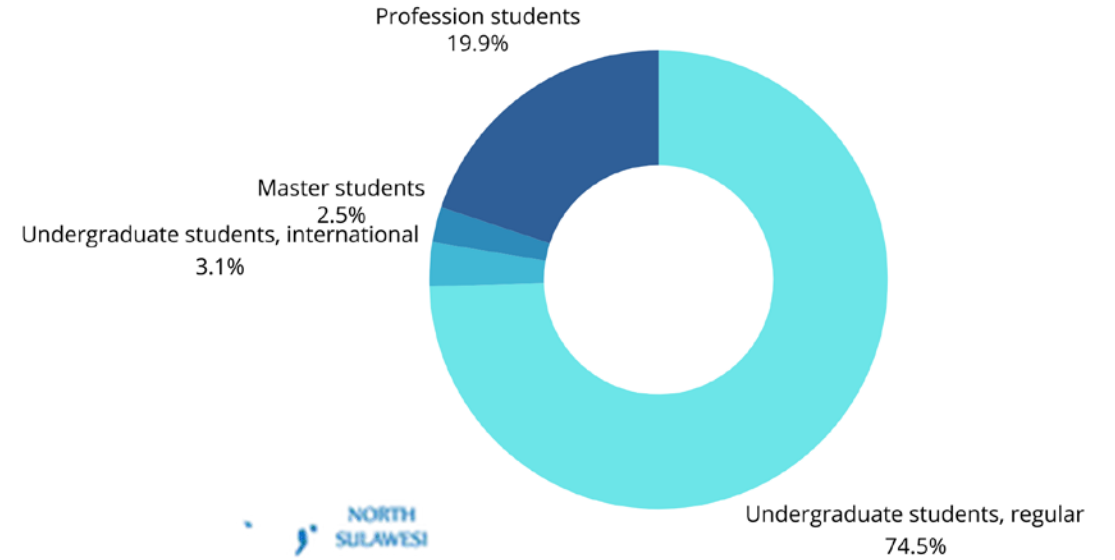


**In the Faculty of Engineering,
we strive to improve our life
and the world surrounding us**



Distribution of students

Located in the East part of Indonesia, we also attract students from West Indonesia





RESEARCH

is a formalized curiosity, poking and prying with purposes



We support the interdisciplinary research that focuses on local resources and community welfare, which aims to solve the challenge of our time

Dive into our discoveries & explorations

- Telecommunication and multimedia
- Artificial intelligence, internet of things, and automations
- Medical technology
- Clean energy
- Environment and sustainability
- Supply chain engineering
- Product design
- Lean manufacturing
- Industrial statistics





Top 2% World Scientists to Suryadi Ismadji, Professor of Chemical Engineering

He receives the title of being the top 2% of world scientists 5 years in a row, starting from 2020 – 2024.

Professor Ismadji has also been awarded several major awards, including the **Australian Alumni Award 2010**, **Bakrie Award 2015**, **APTIC Award 2015**, **Habibie Award 2017**, **National Outstanding Lecturer 2018**, and many more, due to his outstanding performance in research and technology.

Distinguished Taiwan Alumni Award to Felycia Edi Soetaredjo, Professor of Chemical Engineering

Graduating from a Taiwan university, she received the Taiwan Tech Outstanding Alumni Award in 2019, followed by the Distinguished Taiwan Alumni Award in 2020.

Professor Soetaredjo also obtained several major awards, including the APTIK Award 2018, Top 100 Asian Scientist 2018, and OWSD-Elsevier Foundation Award in Engineering Sciences 2017.



“Our research improves our view of the world, solves complex issues in a comprehensible manner, and addresses global challenges in areas such as sustainability in energy, human, health, and environment.”

Strong at innovation

We rank #1 as Best
Chemical Engineering
Department in Indonesia

by SINTA KEMENDIKBUD

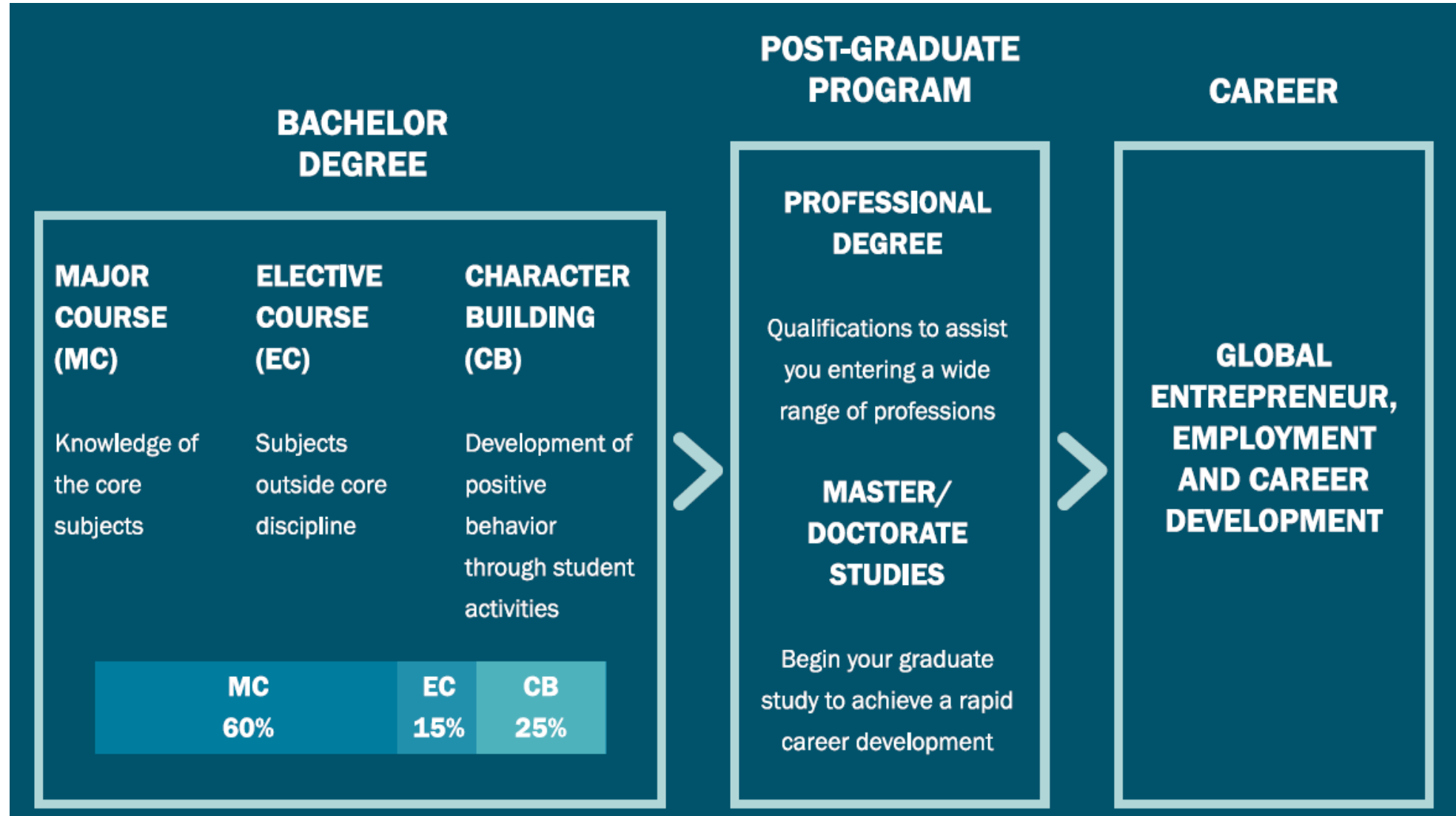




EDUCATION

is one thing no one can take away from you

Our Education System



Our Education



ACADEMIC EXCELLENCE

CREATIVE DESIGNER
CRITICAL THINKERS
DIGNIFIED PROBLEM SOLVER
HIGHLY KNOWLEDGABLE



YOUR EXPERIENCE

Major courses
Elective courses
Character building



VERSATILE GRADUATE

VALUE INTEGRITY
INNOVATIVE THINKER
COMMUNICATIVE & ADAPTABLE
SOCIALLY RESPONSIBLE



We offers wide range of student activities

 in
INDONESIA



Engineers in Action (EIA)

 **臺科大** in
TAIWAN TECH TAIWAN 



 **OSAKA INSTITUTE OF TECHNOLOGY** in
JAPAN 



 **芝浦工業大學** in
SHIBAURA INSTITUTE OF TECHNOLOGY JAPAN 



Our Educational Organization

Education on basic and advanced level

- The faculty's **Education and Advisory Board** has the financial and strategic responsibility for our education programs on basic and advanced levels.
- Below the Education Board, we have **7 boards of study programs** that work with the development, planning, and management of education courses and programs on the Education Board's behalf.

Our International Programs



JOINT DEGREE

DUAL STATE EDUCATION COOPERATION
CHEMICAL ENGINEERING

2 years study in Widya Mandala  2 years study in Partner University
in English



The 4th Best Global Universities for
Chemical Engineering in Taiwan

or



北京化工大学

BEIJING UNIVERSITY OF CHEMICAL TECHNOLOGY

The 43rd Best Global Universities for
Chemical Engineering in China



with **S.T., B.Sc.**



JOINT DEGREE
DUAL STATE EDUCATION COOPERATION
CHEMICAL ENGINEERING

DOUBLE in EVERYTHING!
KNOWLEDGE, EXPERIENCE,
CULTURE, LANGUAGE,
AND MORE BENEFITS!

Study Chemical Engineering
in two universities in two countries.
for more info please contact us.

WIDYA MANDALA
CATHOLIC UNIVERSITY SURABAYA

WIDYA MANDALA
CATHOLIC UNIVERSITY
SURABAYA
**TAIWAN
TECH**

Scholarships

UKWMS

- Academic Excellence Scholarships
- Non-Academic Excellence Scholarships
- Alumni Scholarships
- OSC Medcom Scholarships

Taiwan Tech / National Taiwan University of Science and Technology

- Taiwan Fertilizer Foundation Scholarships (dedicated to 2+2 Joint Degree students)
- Taiwan Tech International Scholarship Awards (dedicated to 2+2 Joint Degree students ranked in the top 10% of the class)

Beijing University of Chemical Technology

- Academic Excellence Scholarships (dedicated to 2+2 Joint Degree students with GPA >3.0)





Inspired by our vision of solidarity with society, we transfer technology and contribute back to the community





COLLABORATION

Sharing knowledge and research

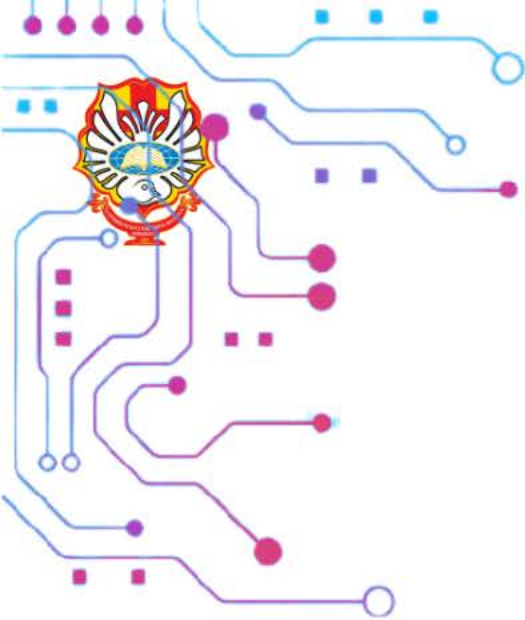
- We initiate wider engagement to spread knowledge and new research findings to the interested public, students, industry, and decision-makers.
- Public events
 - Seminar Week
 - We Reach Out Program
 - International Joint Activities
 - Open Campus
 - Focus Group Discussion



Our Collaborations

- Close collaboration with the industrial sector
 - a prerequisite for us to be able to conduct education and research
- Collaboration with industry and business to ensure that research benefits all involved parties.
- Focus on internationalization and creating diversity in the recruitment of both students and researchers to create a more creative environment.





www.ft.ukwms.ac.id

