



MASTER PROGRAM **ENGINEERING MANAGEMENT**

Master of Mechanical Engineering of Swiss German University is committed to support the application of Industry 4.0 in Indonesia. We recognize the need of mechatronics program in the education system so the graduates will be able to implement automations in the industry to pursue smart factory. We also recognize the need of Engineering Management program so the graduates will improve their management skill and ready to support and implement the concept of industry 4.0.

Engineering Management is dealing with designing, improving, optimizing, operating and managing multilevel integrated systems of technology, business and organization in the industry in order to improve the system performance, quality, products and service innovations. Engineering Management is suitable for engineers how become managers and leaders in the industry and need to learn managerial skills and competence. This competence will further support the student carrier as a manager and a leader in the company. Management level in the industry should be knowledgeable in this area of expertise and will be able to support the implementation of Industry 4.0 in integrated system aspect.



Conference on Management and Engineering in Industry (CMEI)

...IVING PROBLEMS AND BUILDING BRIDGES WITH INDUSTRY 4.0"



WHO CAN BENEFIT FROM MASTER PROGRAM – ENGINEERING MANAGEMENT ?

Master Program – Engineering Management is suitable for engineers who become managers and leaders in the industry and need to learn managerial skills and competences. Students will also be prepared with technical skills to be familiar with automation technology. Engineering Management is dealing with designing, improving, optimizing, operating and managing multilevel integrated systems of technology, business and organization in the industry in order to improve the system performance, quality, products and service innovations. Engineering Management is suitable for engineers how become managers and leaders in the industry and need to learn managerial skills and competence. This competence will further support the student carrier as a manager and a leader in the company. Engineering Management study covers managerial skills required to implement Industry 4.0.

STRENGTH POINTS

- Highly qualified faculty members with extensive industrial experiences
- Industry oriented curriculum
- Thesis topics from the industry
- Industry visitations
- Classes conducted in English for global communication skills
- Saturday classes only, suitable for professionals
- Affordable tuition fee
- Intake twice a year, every February and August

GRADUATE CAREER OPPORTUNITIES

- Director in Industry
- Top Management Level
- Project Manager
- Consultant
- Research and Development
- Continuing in Phd Program
- College Lecturer

COURSE	SKS
Industrial Electronics	2
Technopreneurship	2
Algorithm Programming	2
Machine Dynamics	2
Quality, Reliability and Maintenance	2
Finance Engineering	2
Operation & Supply Chain Management	2
Human Performance Management	2
Innovation Technology Management	2
Advanced Operational Research	2
Marketing and Sales Engineering	2
Research Methodology (Thesis Proposal)	2
Strategic & Leadership Management	2
Sustainable Project Management	2
Industrial Engineering System Design	2
Master Thesis	6
Total Compulsory	36

FACULTY MEMBER HIGHLIGHT



DENA HENDRIANA, B.Sc., S.M., Sc.D.
Head of Master of Mechanical Engineering

Doctorate Degree from Massachusetts Institute of Technology USA
Research Area : CFD, Fluid, Renewable Energy, Mechatronics



Dr. Ir. HANNY J. BERCHMAN, M.Sc.

Doctorate Degree from Gunma University, Japan
Research Area : Energy Management, Renewable Energy



Dr. Ir. WIDI SETIAWAN, M.Sc.
Former Director in BATAN

Doctorate Degree from Fakultät fuer Maschinenwesen Technische Hochschule Aachen, Germany
Research Area : Mechatronic Control, Computer Vision



Dr. Ir. Gembong Baskoro, M.Sc., IPU., ASEAN Eng, ACPE, APEC Eng.
PPRA 46/2100 Lemhannas Alumni

Doctorate Degree from Technische Universiteit Eindhoven, Netherland
Research Area : Technology Management, Strategic Innovation



EDI SOFYAN, B.Eng., M.Eng., Ph.D.
Former Head of Program in LAPAN

Doctorate Degree from Royal Melbourne Institute of Technology, Australia
Research Area : Aeronautic, Mechatronic Control, Project Management



Dr. TANIKA DEWI SOFIANTI, S.T., M.T.
Faculty Member Swiss German University

Doctorate Degree from Bandung Institute of Technology
Research Area : Performance Assessments, Business Intelligence



ADMISSION

- Bachelor's degree in engineering, information technology or other relevant professional degree from an accredited or reputable university or institution of higher education with a minimum of 1 (one) year working experience in a relevant field.
- Fresh graduates are welcome to apply and subject to passing an interview with the Dean of Faculty of Engineering or Head of the MME programme.

THE PROCEDURES:

1. Fill-out the registration through <https://join.sgu.ac.id/master>
2. Pay the registration fee IDR 500.000
3. Documents submitting & Interview
4. Pay the confirmation fee before the due date from Letter of Acceptance

ADMISSION DOCUMENT

1. 1 Copy of Bachelor's Degree Certificate
2. 1 Copy of Academic Transcript
3. 2 photographs of 4×6cm (in color, with red as background).
4. 1 copy of Birth Certificate (Akta Kelahiran).
5. 1 copy of Family Certificate (Kartu Keluarga).
6. 1 copy of Family Certificate (Kartu Keluarga - Orang tua)
7. 1 copy of NISN or senior high school certificate
8. Copy of ID Card/Passport/KITAS
9. Copy of Any Other professional certificate
10. Curriculum Vitae.
11. 2 Reference Letter
12. Foreign Candidate/overseas graduate: legalized the certificate through the Department of National Education
13. Foreign Candidate: Stay/Work Permit.
14. Statement of Agreement stamped Rp. 10,000,-.
15. New Student Form

STUDY FEE

REGISTRATION FEE	500.000 IDR
CONFIRMATION FEE	2.500.000 IDR
1st SEMESTER FEE	19.000.000 IDR
2nd SEMESTER FEE	19.000.000 IDR
3rd SEMESTER FEE	19.000.000 IDR
TOTAL	60.000.000 IDR

Tuition fee includes: Lunch, snack, coffee/tea during coursework

Tuition fee excludes: Repetition exams, certification, books and graduation ceremony

* Scholarship scheme is available after fulfilling SGU terms and conditions

* Tuition installment available with SGU terms and conditions

SATURDAY CLASS (8.00 AM - 5.00 PM)

Contact Us:

SWISS GERMAN UNIVERSITY

The Prominence Tower Alam Sutera

Jl. Jalur Sutera Bar. No.Kav 15, Kota Tangerang, Banten 15143

Email : graduateschool@sgu.ac.id

Hotline : 0811 8010 600

Instagram : @sgugraduateschool

LinkedIn : Swiss German University / sgugraduateschool