

REQUIREMENTS

Take the Academic Potential Test (TPA is not necessary for Bachelor students with GPA \geq 3.50)

Matriculation:

- ▶ Graduates of the Ubaya Industrial Engineering (TI Ubaya) undergraduate program with a maximum graduation year of 10 years before do not need matriculation.
- ▶ Graduates of the undergraduate program from outside TI Ubaya or graduates of TI Ubaya with a graduation year of more than 10 years need to take the Academic Potential Test to determine whether to participate in Matriculation.

The Matriculation program includes the following subjects:

- 01 Industrial Statistics
- 02 Operational Research
- 03 Production Planning &
- 04 Industrial Ergonomics and Work Design

LECTURERS

Prof. Ir. Joniarto Parung, M.M.B.A.T., Ph.D., IPU

Prof. Ir. Markus Hartono, S.T., M.Sc., Ph.D., CHFP., IPM.

Dr. Dra. Ir. Evy Herowati, M.T.

Dr. Dra. Amelia Santoso, M.T.

Dr. Hazrul Iswadi, S.Si., M.Si.

Dr. Indri Hapsari, S.T., M.T.

Dr. Jimmy, S.T., M.I.S.

Gunawan, S.Si., M.B.A., Ph.D.

Ir. Eric Wibisono, Ph.D., IPU

ACADEMIC FACILITIES

- Teaching Industry Lab (Integrated Mini Plant)
- Enterprise Resource Planning Lab
- Computation and Simulation Lab
- Work Design and Ergonomics Lab
- Integrated Outdoor Campus (Ubaya Training Center, Trawas)
- Library: <http://elib.ubaya.ac.id>
- E-learning: <https://uls.ubaya.ac.id>
- Gazebo - Wifi zone
- Reading Room
- Discussion Room
- Seminar Room
- <https://my.ubaya.ac.id>

CAMPUS SERVICES

- Green canteen
- Ubaya Sports Center
- Counseling
- Career Assistance Center
- Language Center
- Medical Clinic
- Ubaya Pharmacy
- ATM (BRI, BNI, BCA, Mandiri, and Niaga)



UBAYA
UNIVERSITAS SURABAYA

INFORMATION

Master of Industrial Engineering
University of Surabaya

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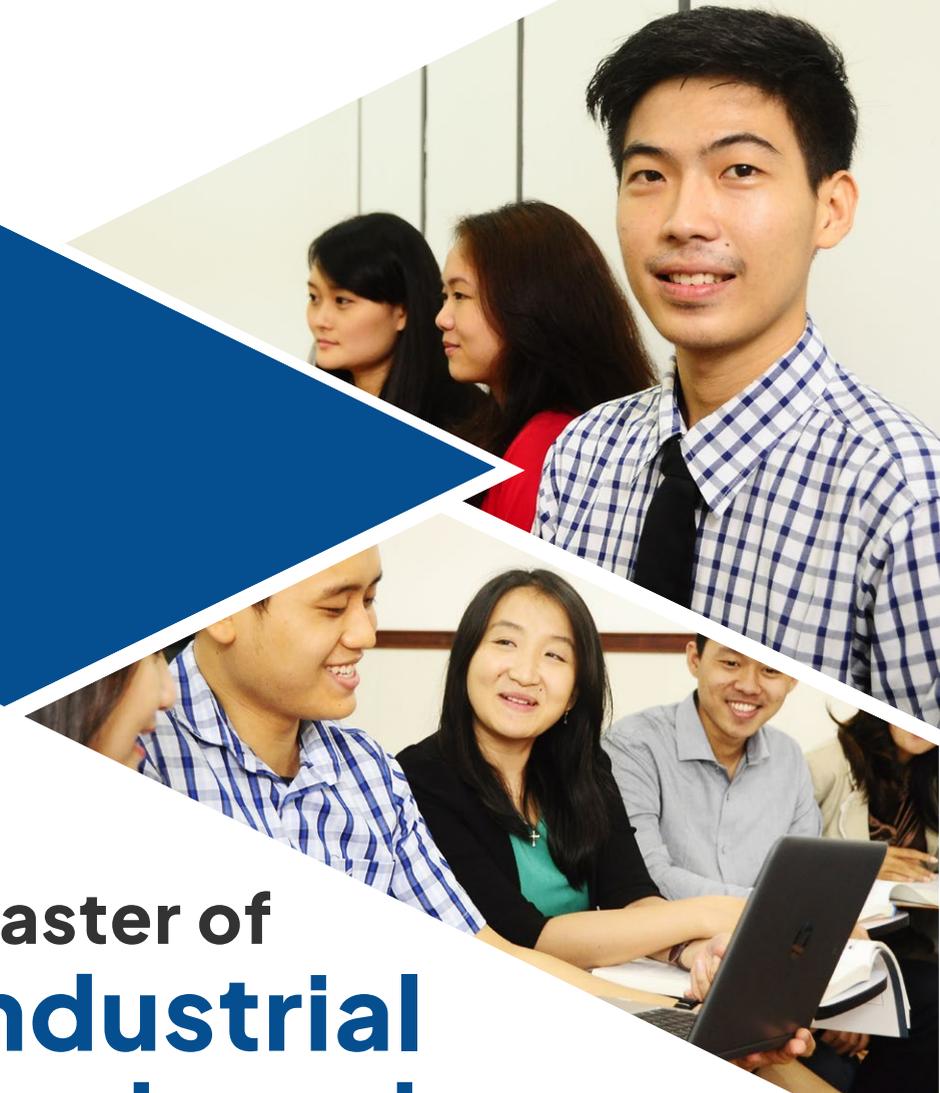
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Master of Industrial Engineering

Postgraduate Study Program
Faculty of Engineering University of Surabaya



PROFILE

WHY CHOOSE THE UBAYA MASTER OF INDUSTRIAL ENGINEERING?

A supply chain is an important part of the success of a business. Supply chain activities that run effectively can result in a competitive advantage by increasing efficiency and quality control, reducing costs, and increasing productivity and company profits. The Ubaya Master of Industrial Engineering study program with a concentration in Logistics and Supply Chain Engineering was established to answer the challenges of human resource needs in logistics, distribution, and transportation, both now and in the future.

VISION

To be internationally recognized as a leading Industrial Engineering institution for its excellence in education, research and community service.

MISSION

To develop a higher education system that provides knowledge, job skills, and managerial abilities in solving engineering and technology problems and designing integrated systems based on sustainable development.

CURRICULUM

The curriculum is developed based on outcome-based education (OBE) by considering the principle of sustainability in technical, social, environmental, and economic aspects. Graduates of the study program have system thinking competencies and can apply sustainable industry principles in solving logistics and supply chain problems. In addition, graduates are equipped with managerial and communication skills to become leaders in the global era.



- 01** The learning process is guided by professors in logistics and supply chain and permanent lecturers who are alumni of various reputable universities outside and within the country.
- 02** Accredited Excellent and successfully delivered students to graduate in 3 semesters with quality international publications.
- 03** Complete learning facilities and synergy with the Ubaya Industrial Engineering undergraduate program, which has been accredited A since 1998 until now and has received IABEE international accreditation and AUN-QA international certification.
- 04** The learning process is designed by combining hard and soft skills, such as entrepreneurial spirit characterized by innovative independence, superior character building, and the rapid development of science, technology, and the environment in harmony, with the aim that graduates can compete at national, regional, and international levels.



LOGISTICS AND SUPPLY CHAIN ENGINEERING CONCENTRATION

Master of Industrial Engineering University of Surabaya

Semester 1

No	Subject Name	Credit Units
1.	Statistics for Engineering	3
2.	Operations Research	3
3.	Supply Chain Engineering	3
4.	Research Methodology I	2
Total		11

Semester 2

No	Subject Name	Credit Units
1.	Systems Modeling and Simulation	3
2.	Supply Chain Strategy	3
3.	Supply Chain Information Systems	3
4.	Research Methodology II	2
Total		11

Semester 3

No	Subject Name	Credit Units
1.	Elective Subject 1	3
2.	Elective Subject 2	3
3.	Seminar	2
Total		8

Semester 4

No	Subject Name	Credit Units
1.	Thesis	6

Total **6**

Total Program **36**

Elective Subjects

Credit Units

1.	Sustainable Supply Chain Engineering	3
2.	Global Supply Chain Engineering	3
3.	Distribution Systems	3
4.	Revenue Management in Supply Chain	3
5.	Supply Chain Risks	3
6.	Supply Chain Performance Systems	3
7.	Smart Supply Chain & Logistics	3
8.	Special Topics on LSCE	3

The curriculum is designed for a normal study period of 4 semesters and can be completed in at least 3 semesters. Lectures are held in the evening.