

Admission Requirements

- Previous degrees in Industrial Engineering, Mechanical Engineering, or related fields
- English proficiency: valid IELTS/TOEFL certification
- Academic potential test (Tes Potensi Akademik/TPA)
- Letters of Recommendation
- Research plan (for doctoral applicants)

Further Details :

<https://www.its.ac.id/tindustri/akademik/program-studi/>

Apply Online :

<https://www.its.ac.id/admission/pascasarjana/>

Contact Us

Postgraduate Secretariat Office (1st Floor)

Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, INSTITUT TEKNOLOGI SEPULUH NOPEMBER
Surabaya, East Java, 60111

Directorate of Postgraduate Studies and Academic Development

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Whatsapp: +6281130500022 (information related to admissions will be served during working hours)

E-mail: pasca-its@its.ac.id



POSTGRADUATE PROGRAM

IN INDUSTRIAL ENGINEERING

MASTER & DOCTORAL PROGRAM

Why Choose Our Programs

Our Master's in Industrial Engineering equips professionals with advanced problem-solving skills, optimization techniques, and data-driven decision-making strategies for modern industries. Meanwhile, our Doctoral Program is designed for advanced research and innovation in areas such as optimization, logistics and supply chain management, systems engineering, and occupational health and safety.

Other Key Benefits

- » **Updated Curriculum** – Focused on advanced manufacturing systems and engineering, occupational health and safety environment, logistics and supply chain management, decision sciences, and engineering management.
- » **Hands-On Learning** – Engage in projects, simulations, and industry case studies.
- » **Expert Faculty** – Learn from leading researchers and industry professionals.
- » **International Recognitions** – ITS's Industrial and Systems Engineering Department has been accredited by International Accreditation from ASIIN and ASEAN University Network (AUN).
- » **Leading Public Institute** – Located in Surabaya, East Indonesia, a safe and vibrant city close to tourist destinations like Bali and Batu Malang.
- » **International Joint Programs** – Collaborations with National Taiwan University of Science and Technology (NTUST-Taiwan), Coventry University (UK), and more.
- » **Industrial Partnerships** – Work with top companies like Semen Indonesia Group, Pertamina, PT Vale Indonesia, PT PLN (Persero), Telkom, and more. Internship opportunities are also available.
- » **International Scholarships** – Available for selected applicants.

Curriculum Highlights

Master's Program (36 Credits) – Seven Major Concentrations:

1. Manufacturing Systems Engineering and Management (MSEM)
2. Decision Systems (DS)
3. Logistics and Supply Chain Management (LSCM)
4. Human Factors and Occupational Safety and Health Engineering (HuFOSH)
5. Engineering Management (EM)
6. Industrial and Systems Engineering (ISE)
7. Industrial and Systems Engineering – International Class

Doctoral Program (42 Credits) – Five Concentrations:

1. Manufacturing Systems Engineering and Management (MSEM)
2. Policy Design on Industrial Systems and Distribution
3. Logistics and Supply Chain Management (LSCM)
4. Human Factors and Occupational Safety & Health Engineering (HuFOSH)
5. Engineering Management (EM)

Our Faculties

Budisantoso Wirjodirdjo, Professor
Ir (ITB), M.Eng. (AIT), Dr (Rennes)

System Dynamics, Industrial Policy

Moses L. Singgih, Professor
Ir (ITB), M.Sc. (ITB), MregSc, Ph.D. (Queensland)

Quality & Productivity Analysis

Udisubakti Ciptomulyono, Professor
Ir (ITB), M.Eng.Sc (Melbourne), Dr (Aix Marseille)

Multi Criteria Decision Making,
Green Manufacturing

Budi Santosa, Professor
Ir (ITB), M.Sc, Ph.D. (Oklahoma)

Optimization, Heuristics Methods,
Data Mining

I Nyoman Pujawan, Professor
Ir (ITS), M.Eng. (AIT), Ph.D. (Lancaster), CSCP (APICS)

Supply Chain Engineering,
Logistics, PPIC

Iwan Vanany, Professor
ST (ITS), MT (ITS), Ph.D. (UTM)

Business Process Re-Engineering
Technology in Supply Chain

Patdono Suwignjo, Professor
Ir (ITS), M.Eng.Sc (UNSW), Ph.D. (Starchlyde)

Performance & Strategic
Management

Srigunani Partiw, Professor
Ir (IPB), MT (IPB), Dr (IPB)

Ergonomics, Industrial Cluster

Ahmad Rusdiansyah, Professor
Ir(ITS), M.Eng. (Delhouse), Dr.Eng (TIT)

Distribution & Transportation,
Logistics Management

Nurhadi Siswanto, Professor
ST (ITS), M.Sc. (Purdue), Ph.D. (UNSW)

Operation Research,
Large Scale Optimization

And many other lecturers with doctoral degrees.

