

Admission Requirements

- **Educational Background** – A Bachelor's or a Master's degree in Industrial Engineering, Mechanical Engineering, or a related fields.
- **English Proficiency** - Valid IELTS/TOEFL certification.
- **Academic Potential Test** - Completion of Tes Potensi Akademik (TPA).
- **Letters of Recommendation** - At least two strong references from academic or professional mentors.
- **Research Plan or Proposal** – Required for doctoral applicants; must be approved by a prospective supervisor.

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)

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

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Whatsapp: +6281130500022 (admissions information, available during working hours))

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POSTGRADUATE PROGRAMS

IN INDUSTRIAL ENGINEERING

MASTER AND DOCTORAL PROGRAM

WELCOME TO INSTITUT TEKNOLOGI SEPULUH NOPEMBER



Discover excellence in higher education with our **Master's and Doctoral Programs in Industrial Engineering**, designed to empower students with advanced knowledge, research skills and professional expertise.

Why Choose Our Programs ?

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

Other Key Benefits

- » **Comprehensive Curriculum** – Focus on advanced manufacturing systems and engineering, occupational health and safety environment, logistics and supply chain management, decision sciences, and engineering management.
- » **Practical Learning Experience** – Hands-on skills through industry-relevant projects, simulations, and real-world case industry case studies.
- » **Renowned Faculty** – Learn from leading researchers and industry professionals.
- » **International Recognitions** – 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** – Partnering with top institutions such as National Taiwan University of Science and Technology (NTUST-Taiwan), Coventry University (UK), among others.
- » **Strong Industry Connections** – Opportunities to collaborate with leading corporations, including Semen Indonesia Group, Pertamina, PT Vale Indonesia, PT PLN (Persero), Telkom, and more. Internship opportunities are also available.
- » **Exclusive International Scholarships** - Merit-based scholarships offered to outstanding applicants.

Curriculum Highlights

Master's Program – Seven Major Specializations :

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 – Five Specializations :

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

Suparno, Professor

Ir (ITB), MSIE. (Wisconsin), Ph.D. (Stratchlyde)

Budisantoso Wirjodirdjo, Professor

Ir (ITB), M.Eng. (AIT), Dr (Rennes)

Moses L. Singgih, Professor

Ir (ITB), M.Sc. (ITB), MregSc, Ph.D. (Queensland)

Udisubakti Ciptomulyono, Professor

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

Budi Santosa, Professor

Ir (ITB), M.Sc, Ph.D. (Oklahoma)

I Nyoman Pujawan, Professor

Ir (ITS), M.Eng. (AIT), Ph.D. (Lancaster), CSCP (APICS)

Iwan Vanany, Professor

ST (ITS), MT (ITS), Ph.D. (UTM)

Patdono Suwignjo, Professor

Ir (ITS), M.Eng.Sc (UNSW), Ph.D. (Stratchlyde)

Srigunani Partiwij, Professor

Ir (IPB), MT (IPB), Dr (IPB)

Ahmad Rusdiansyah, Professor

Ir(ITS), M.Eng. (Delhouse), Dr.Eng (TIT)

Mokh Suef, Professor

ST (ITS), M.Eng. (Birmingham), Dr. (ITS)

Nurhadi Siswanto, Professor

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

Adithya Sudiarno, Professor

ST (ITS), MT (ITS), Dr (Unair)

Inventory Management,
Engineering Management

System Dynamics, Industrial Policy

Quality & Productivity Analysis

Multi Criteria Decision Making,
Green Manufacturing

Optimization, Heuristics Methods,
Data Mining

Supply Chain Engineering,
Logistics, PPIC

Business Process Re-Engineering
Technology in Supply Chain

Performance & Strategic
Management

Ergonomics, Industrial Cluster

Distribution & Transportation,
Logistics Management

Manufacturing Systems

Operation Research,
Large Scale Optimization

Ergonomics, Safety Engineering

And a distinguished team of faculty members with doctoral degrees and extensive professional experience, bringing both academic excellence and industry expertise.

