

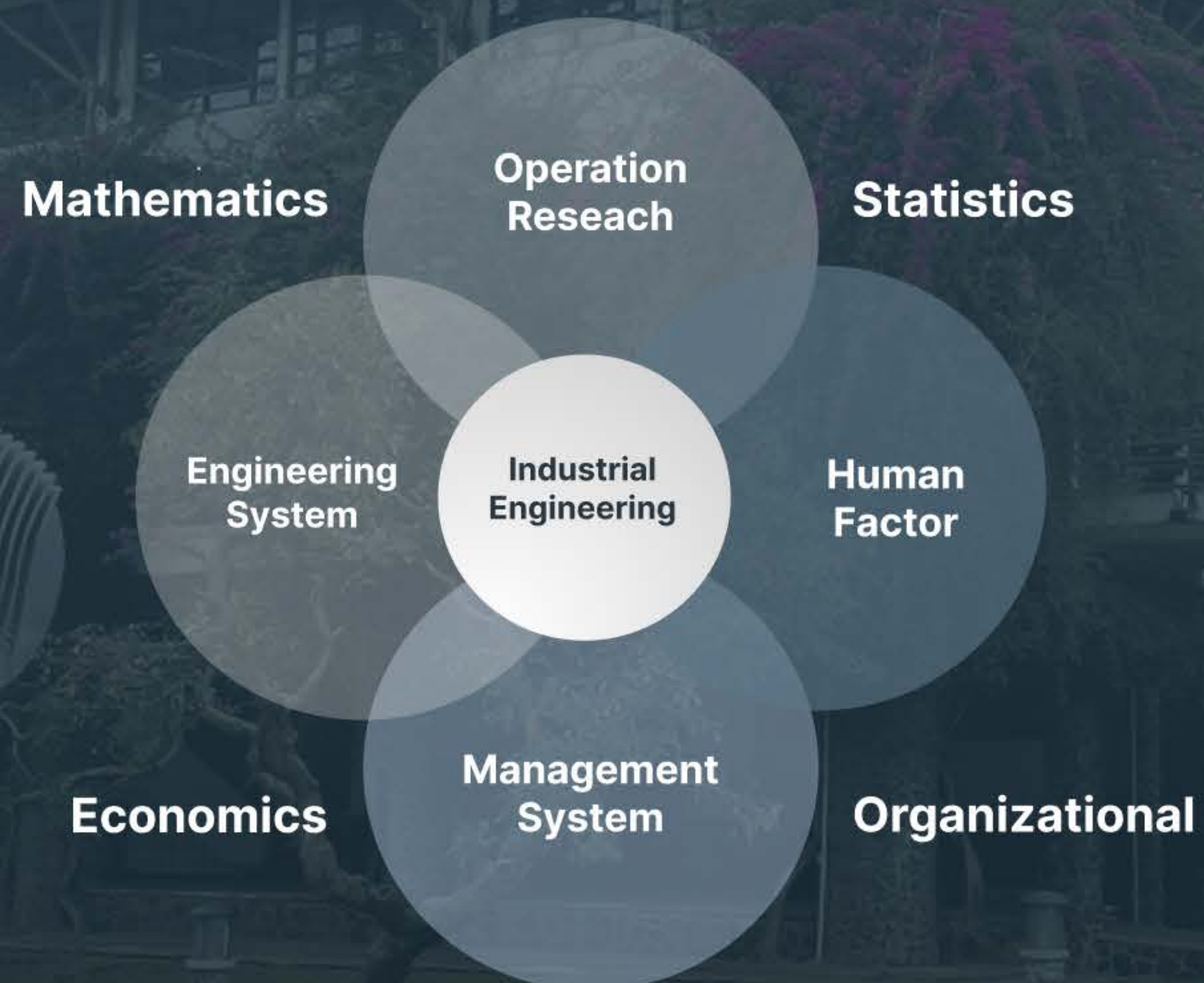


Get to know

INDUSTRIAL ENGINEERING

What is Industrial Engineering?

Industrial engineering is a field of engineering that focuses on **optimizing complex systems** and processes in order to **improve the efficiency and productivity** of businesses and organizations. Industrial engineers use various tools and techniques to **analyze operations**, **identify areas for improvement**, and **implement solutions** to increase efficiency.



Body of Knowledge

Main Focus:

1. **Optimizing performance** in an effective, efficient, and productive way.
2. Implemented in **various industry** (manufacture, hospitals, tech-company, etc)
3. **End-to-end knowledge** form technical to management level

More Information



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Quick Facts

IE combines **technical and management skills**

The need of industrial engineers will grow 12% from 2023 to 2033

IE ITB is the **1st IE Program** in Indonesia (starting 1971)

IE ITB is the **1st internationally accredited IE** Program in Indonesia

IE is among **top 5 most favorite** programs in ITB

Career Prospects

1. Production Engineer
2. Quality Engineer
3. Safety Engineer
4. Systems Analyst
5. Business Development & Analyst
6. Data Scientist
7. Organization & Human Capital Specialist
8. Project Manager
9. Corporate Planning Specialist
10. Consultant
11. Marketing System Specialist
12. Logistics & Procurement Specialist
13. User Experience & Interface Specialist
14. Human Factors & Ergonomics Specialist
15. Product Developer
16. etc.

Admission

- 1 Regular - Ganesha
- 2 International - Ganesha
- 3 Regular - Cirebon

for detail information :

admission.itb.ac.id

Research Group

Ergonomics, Work Engineering & Occupational Safety

Manufacturing System

Industrial Management

Industrial System & Techno Economics

Decision & Information System

Curriculum

Year	Course Content
First Year: Foundation	Basic science, liberal arts, & principles of general engineering
Second Year: Basic Skill	Basic science, liberal arts, & principles of general engineering
Third Year: Study Program	More advanced industrial engineering subjects
Fourth Year: Final	Capstone project & engineering design

Partner Universities

TUHH
Hamburg
University of
Technology



國立交通大學
National Chiao Tung University



UNIVERSITI TEKNOLOGI MALAYSIA



Tokyo Tech



UNIVERSITY OF TWENTE



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- SEA (Semester Exchange Abroad)
- GE3 (Global Engineering Education Exchange)
- IISMA (International Indonesian Students Mobility Award)
- and other internationalization schemes

bit.ly/ITBSemExchange

*for international students