

Specialization

There are 2 (two) specializations available for students to choose from:

1. **Data Science and Intelligent Systems**
2. **IT Management**

Degree

The Master of Informatics (MIF) program at the University of Surabaya is a Professional Master's Education at the Postgraduate level (S2). Students who successfully complete the program are entitled to the degree of **Magister Komputer (M.Kom.)**.

Graduate Profile

1. Data Scientist Professional
2. Machine Learning Specialist
3. Business Intelligence Professional
4. IoT Solution Architect
5. Cloud Architect
6. Enterprise Architect
7. Information Specialist
8. IT Consultant

Modes and Class Schedule

There are 2 (two) learning modes available for students to choose from:

- **Regular (offline)**
- **Hybrid**

Classes are scheduled from Monday to Friday, starting at 18:30 at TF2.3 Building.

Lecturers

- Lisana, S.Kom., M.Inf.Tech., Ph.D.
- Dr. Joko Siswanto, S.Si., M.Si.
- Daniel Hary Prasetyo, S.Kom., M.Sc., Ph.D.
- Dr. Jimmy, S.T., M.I.S.
- Alexander Yohan, S.Kom., M.I.M., Ph.D.
- Dr. Delta Ardy Prima, S.ST., M.T.

Admission Requirements

- Graduates of undergraduate study program from various scientific fields
- Meet the minimum required TPA (Academic Potential Test) or other tests
- Submit all administrative documents consisting of the following:
 - ▶ Online registration form
 - ▶ Legalized copies of diplomas and transcripts
 - ▶ Payment of registration fee
- Prospective students from the Informatics Engineering Program with a GPA ≥ 3.5 are exempted from the matriculation.

Scholarships

- Merit & Equity Scholarship
- Ubaya Alumni Scholarship
- Ubaya's Family Scholarship
- Industrial Scholarship
- Teacher Scholarship
- Summa Cum Laude Scholarship

Information

Master of Informatics Department, Faculty of Engineering

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Information & Registration

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UBAYA
UNIVERSITAS SURABAYA

MASTER OF INFORMATICS

Postgraduate Study Program
Faculty of Engineering, University of Surabaya

Overview

The Master of Informatics (MIF) program at the University of Surabaya stands out due to its focus on technology-based solutions and innovations, along with the latest research in the business and industrial. Upon completion of the program, graduates will possess the ability to solve problems, enhance knowledge, and manage research and development beneficial to the fields of **Data Science & Intelligent Systems** and **IT Management**, producing innovative and proven works capable of national and international recognition. Additionally, they benefit from both theoretical knowledge and practical experience derived from case studies in business and industrial sectors. The MIF program prepares an internationally scaled educational environment to achieve globally standardized quality.



Vision

"To become a Master of Informatics (MIF) program capable of producing quality and outstanding graduates in creating nationally and internationally reputable works in the fields of Data Science & Intelligent Systems and IT Management for the business and industrial world."

Mission

- Conducting and facilitating the teaching-learning process to produce graduates in line with scientific competencies and the needs of the business and industrial world, especially in the fields of Data Science & Intelligent Systems and IT Management, while possessing integrity and excellence in their field.
- Producing high-quality and reputable research in informatics to achieve national and international recognition and have a beneficial impact on society.
- Implementing and evaluating the latest technology and its optimization through tri-dharma services to realize an innovative, superior, and beneficial image for the Master of Informatics (MIF) program, contributing to knowledge, the business world, industry, and society.



Curriculum and Duration

The Master's Program in Informatics curriculum consists of 36 credit units taken over 4 semesters.

SEMESTER I

No.	Course Name	Credits
1.	Machine Learning	3
2.	User Experience	3
3.	IT Project Management	3
4.	Digital Technology	3
Total Credits		12

SEMESTER II

No.	Course Name	Credits
1.	Research Methodology	3
2.	Cloud Computing	3
3.	Elective Course	3
4.	Elective Course	3
Total Credits		12

SEMESTER III

No.	Course Name	Credits
1.	Scientific Writing & Publication	3
2.	Elective Course	3
Total Credits		6

SEMESTER IV

No.	Course Name	Credits
1.	Thesis	6
Total Credits		6

Curriculum and Duration

Elective Courses by Specialisation

Data Science & Intelligent Systems

No.	Course Name	Credits
1.	Deep Learning	3
2.	Business Intelligence & Analytics	3
3.	Semantic Web	3
4.	Computer Vision	3
5.	Intelligent Game Technology & Design	3
6.	Smart IoT	3

IT Management

No.	Course Name	Credits
1.	IT Adoption	3
2.	Service Oriented Enterprise	3
3.	Emerging Technology & Business Innovation	3
4.	Corporate Systems & Management	3
5.	IT Auditing & Governance	3
6.	Design Thinking	3