



UNIVERSITAS  
ISLAM  
INDONESIA

January, 2024

# PROSPECTUS INFORMATICS STUDY PROGRAM MASTER'S PROGRAM

WWW.INFORMATICS.UII.AC.ID/MASTER

January, 2024

# I'm UII

Islamic Mondial Upfront Intellectual Indonesian

UNIVERSITAS  
ISLAM  
INDONESIA

Accredited

Unggul

BAN-PT No. 705/SK/BAN-PT/AK-PPJ/M/VIII/2021



January, 2024

# INFORMATICS STUDY PROGRAM

## MASTER'S PROGRAM

Faculty of Technology Industry  
Universitas Islam Indonesia

Accredited

**Unggul**

BAN-PT No. 610/SK/BAN-PT/AK-PPJ/M/II/2023

January, 2024



# A GREET FROM HEAD OF THE STUDY PROGRAM

Informatics Study Program - Master's Program at the Islamic University of Indonesia offers excellent academic services for students to develop themselves into reliable human beings in the field of information technology who are able to solve complex problems, think critically, collaboratively and creatively. In addition, the learning process is guided by world-class experts in a supportive academic environment and climate.

Prospective students can choose one of 4 areas of concentration, namely: enterprise information systems, medical informatics, digital forensics, or data science. These four concentrations are pillars in the field of information technology. And we prepare graduates to be able to act as academics, researchers and practitioners with qualified skills.

This prospectus contains general information regarding the informatics study program - master's program. We hope that prospective students will get an overview of the study program's vision and mission, academic facilities, new student registration flow, and testimonials from alumni.

UII is the best Islamic campus. Future leaders, come abroad!

Ir. Irving Vitra Paputungan, S. T., M. Sc., Ph. D.  
Head of Informatics Study Program - Master's Program  
Faculty of Industrial Technology  
Universitas Islam Indonesia

# VISION

To develop into a top-tier Master's Program in Informatics that is recognized nationally, grounded in Islamic principles and utilizing education, research, and community service to generate competent, *Ulil Albab*-quality graduates.



# MISSION

- Develop qualified education that produces intellectuals and professionals with *Ulil Albab* character in the field of informatics.
- Carry out research to solve actual problems and develop science and technology to answer future challenges.
- Carry out community service by applying research results to improve community welfare.
- Establish mutually beneficial collaboration with alumni, the community and other institutions to support the implementation of education, research and community service.



January, 2024

# PROGRAM PROFILE

Graduates of the Master's program in Informatics are competent professionals with expertise in data science, digital forensics, enterprise information systems, and medical informatics. They can also handle challenging problems and think critically, creatively, and cooperatively.

## ACADEMIC

Act as a professional academic and have good capacity as an educator and manager of educational institutions.

## RESEARCHER

Play an active role in research and scientific development in the fields of enterprise information systems, medical informatics, digital forensics and data science.

## PRACTITIONER

Play an active role in the development and implementation of information technology for the benefit of the wider community.

# CONCENTRATION

## INFORMATICS STUDY PROGRAM

### MASTER'S PROGRAM

## Medical Informatics

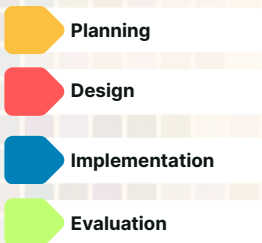
The profile of graduates with a concentration in Medical Informatics is: **(1) Health care managers**, develop innovative applications for health services and information and provide information management consulting services for health care organizations. **(2) Leader in the field of clinical information technology**, and able to design and develop clinical decision support systems and knowledge-based systems.

**(3) Researchers and developers** of new technologies, as well as those who use technology to combine clinical and research data, can work with industry as consultants and clinical input providers during the design phase. **(4) Academic teaching staff**, which includes creating educational programs in the field of medical informatics and instructing students in the medical or clinical fields as well as other medical informatics courses.

## Enterprise Information System

**The Enterprise Information Systems** concentration seeks to produce graduates with an enterprise mindset, namely a comprehensive mindset regarding the application of information systems in an enterprise or organization. Students will study the application and interaction of information systems, both using standard and contextual approaches according to enterprise conditions.

Students will examine these approaches in all stages of the information systems life cycle, namely:



# CONCENTRATION

## INFORMATICS STUDY PROGRAM

### MASTER'S PROGRAM

## Digital Forensics

Students who graduated from the Master's Informatics Study Program with a concentration in Digital Forensics are expected to have the following basic abilities:

They have basic skills as examiners or digital forensics experts in either law enforcement or other non-law enforcement agencies

They have adequate academic abilities to pursue higher-level studies.

The Digital Forensics concentration curriculum is designed to provide them with knowledge and skills in understanding the procedures and processes required for conducting digital forensics activities

### Support Learning:

Standard tools for digital forensics

Professional lectures and various experiences related to the fields

Digital forensics centers and lab

Wide alumni networking

## Data Science

The Data Science concentration focuses on analyzing and modeling data from various scientific and practical domains, such as industry. This program emphasizes a strong understanding of fundamental concepts, such as Machine Learning, Deep Learning, and Causal Modeling.

Strong scientific and research backgrounds, as well as a variety of relevant expertise in the real world of practice, support the teaching staff of this curriculum. Moreover, this curriculum is supported by state-of-the-art computational capabilities that enable students to conduct in-depth modeling and data analysis, simulations, and exploration.

This program also prioritizes reliable and applicable technical skills. With these two characteristics, the Data Science Concentration prepares graduates with adequate theoretical and practical skills for various professions, from academics (such as lecturers and researchers) to professionals in the industrial world (such as data scientists, machine learning engineers, and big data administrators).





# Scholarship and Publication Awards

The master's program of Informatics provides incentives for students who successfully carry out scientific publications in journals or conferences. The scholarship opportunities that students can achieve are as follows:

## Alumni Scholarship

Awarded to master's students and former participants in Indonesian Islamic University's

## External Scholarship

Scholarships from the Ministry of Research, Technology, and Higher Education, BPPDN, and numerous other sources are also administered by the Informatics degree for the UII master's degree.

## Competitive Scholarship

An "A" study program accreditation is required for college graduates to be eligible for the Competitive Scholarship.

## Tuition Fee and Study Path

- The total tuition fee is IDR 40,000,000 for a four-semester study period.
- Tuition fees can be paid four times IDR 10,000,000 for each semester)
- Additional study period (semester 5 - 8) costs IDR 5,000,000 for each semester



### Admission Test

### Academic Potential Test

### Interview

## Choose your study path

You can choose between full-time or for professionals pathway during your study at Informatics study program for master's.

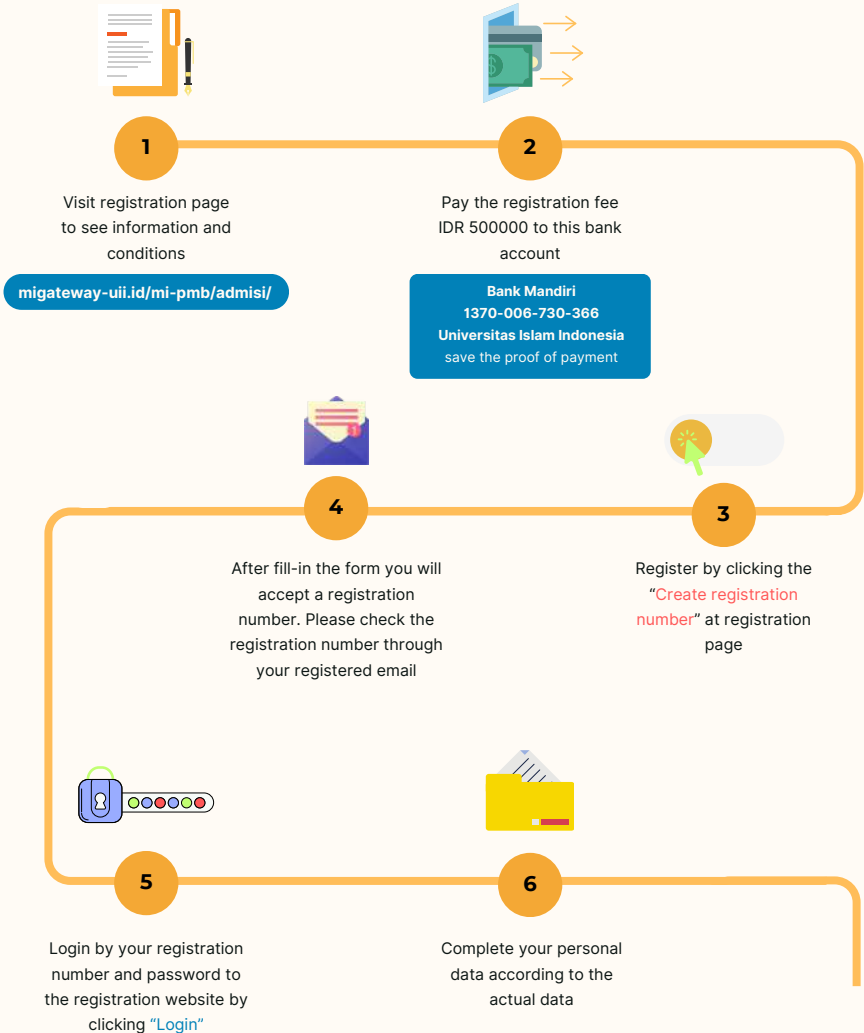
### Full-time

Full-time class held at main campus on Thursday, Friday, and Saturday.

### Professional

The professional class is intended for individuals who are employed. Several in-person lecturers take place each month. The remainder is done online.

# Admission Procedure



# Registration Procedure



# Facilities



## Main Library Access (Moh. Hatta Building)

*Online Journal  
Science Direct  
Proquest*

## Google Services

*e-Mail  
Google Classroom  
Google Drive*



## IT Services

*UII Connect  
Eduroam  
VPN  
UII Gateway  
UII Print*

## Sports Facilities

*UII Sport Center  
Gymnasium  
Medicine and Health Center*



## Computer Lab

## Study Lounge

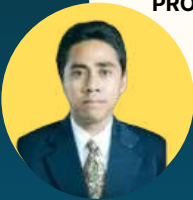


# Lecturers

ASEAN world class lecturers

**PROF. AKHMAD FAUZY, S.SI., M.SI., PH.D.**

Research interest: data science, statistics



**PROF. DR. BUDI AGUS RISWANDI,  
S.H., M.HUM.**

Research interest: digital forensic legal science



**PROF. FATHUL WAHID, S.T.,  
M.SC., PH.D.**

Research interest: eGovernment, eParticipation,  
ICT4D, enterprise system, information system



**PROF. DR. HADRI KUSUMA, MBA**

Research interest: information system audit



# Lecturers

ASEAN world class lecturers

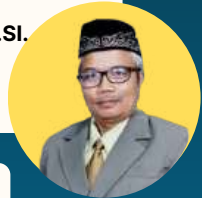


**PROF. DR. IR. HARI PURNOMO, M.T.**

Research interest: ergonomics in medical informatics

**PROF. DR. JAKA NUGRAHA, S.SI., M.SI.**

Research interest: big data, statistics



**PROF. DR. SEFRIANI, S.H., M.HUM.**

Research interest: cyber law and digital evidence

**PROF. DR. APT. YANDI SYUKRI,  
S.SI., M.SI.**

Research interest: pharmaceutical sciences,  
medical informatics



# Testimonials

Hear what our alumni said about  
Informatics Master's Program



## Dhefi Intan Lukmana

While studying at the UII master's degree we received good facilities. Given a very friendly supervisor. So, don't be afraid to study for a master's degree at UII. Rest assured you can be with UII!



## Timothy Dillan Tandjung

I really enjoyed my academic journey at UII even though I am a Christian. The expertise of the lecturers, academic services, and the sophistication of computing facilities at UII make the study experience very enjoyable. The application of knowledge to the real world is UII's specialty so that lessons are more sticky and useful. Thank you UII, my proud campus.



## Aditya Perwira Joan

There are complete teaching and learning support facilities as well as a very comfortable space for working on assignments and thesis. In addition, the friendly administrative staff is always ready to answer questions and help resolve administrative problems with great patience. Lecturers present material in a way that is easy to understand and combine in-depth knowledge with real examples, have motivated me to study better. I feel lucky to be part of this program.

# CHOOSE

Yogyakarta for study?

## Life at Yogyakarta

Yogyakarta is a vibrant university town that exudes a unique atmosphere from every corner. The city's friendly people create a comfortable environment for learning, providing the perfect setting to develop your personality and expand your horizons. The tropical climate, with an average daily temperature ranging from 23-32 degrees Celsius, makes Yogyakarta a pleasant place to live. Moreover, the city offers easy access to transportation and diverse supporting facilities, making it an ideal location to thrive.

## Transportation

Yogyakarta is in a quite strategic location. Access to and from Yogyakarta can be achieved using various modes of transportation, such as buses, travel, trains and airplanes. To take you around the Yogyakarta area, online motorbike taxis are a friendly option. Apart from that, you can drive comfortably and safely using a private vehicle with friends and family.



Maps Universitas Islam Indonesia



scan to see the map





### Time and Distance Estimation

Adi Sutjipto Airport	15 Km (ETA. 30 minute)
New Yogyakarta International Airport	52 Km (ETA. 120 minute)
Yogyakarta Station (Tugu)	15 Km (ETA. 40 minute)
Giwangan Bus Terminal	24 Km (ETA. 30 minute)
Jombor Bus Terminal	14 Km (ETA. 25 minute)

Data was taken from <https://www.uui.ac.id/kehidupan-di-yogyakarta/>



Main Campus of Universitas Islam Indonesia Yogyakarta

## Supporting Facilities

Yogyakarta is known to be friendly to immigrants, especially students. Various facilities are available to support a comfortable stay. For those of you who are married, choosing the ideal place to live is an obligation. Boarding houses and/or renting are two favorite options for students. You can find boarding houses or rented houses easily according to your preferences and needs. The choice of living close to campus or the city center is accommodated by many boarding houses and rentals

To meet household needs, traditional markets and modern markets are easy to find in almost every corner of the region. Various other supporting facilities such as schools for children, places to eat, places of worship and hospitals are easy to find

# Tourist City

Yogyakarta has a variety of tourist destinations, ranging from nature, shopping, to culture. Yogyakarta's location on the southern coast of Java Island offers beautiful beaches. Meanwhile on the north side there is Mount Merapi which also has several tourist destinations around it. Activities usually carried out by tourists include hunting for typical Yogyakarta culinary delights such as; Gudeg, Sate Klathak, Tiwul, and various kinds of market snacks at Angkringan.

Angkringan carts line the streets of Yogyakarta. Have fun with friends while enjoying Sego Kucing (Cat Rice) and warm ginger milk or other warm drinks. While recharging energy to face tomorrow. The cafes in Yogyakarta are no less delicious, providing a place to study, discuss with friends and chat.



UII Main Campus is located at the slope of Merapi Mountain

Estimated cost of living in Yogyakarta*	
Needs	Estimated cost per month
Renting Room	IDR 400000 - IDR 1000000
Transportation	IDR 100000 - IDR 200000
Foods	IDR 1000000 - IDR 1800000
Data Cellular	IDR 100000 - IDR 200000
Entertainment	IDR 1600000 - IDR 3350000

\*Data can be change depends on how you spend your money



# INFORMATICS STUDY PROGRAM MASTER'S PROGRAM

For more information:

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