



ITS
Institut
Teknologi
Sepuluh Nopember

SCIENTIFICS

International Undergraduate Program

Department of **Statistics**



 Gedung T Lantai 2 Kampus ITS
Sukolilo Surabaya, Indonesia
 Phone. +62 31 5943352
Mobile. +62 812-3442-0500
Fax. +62 31 5922940
 Email: statistika@its.ac.id

Message from the Head of Department



Welcome to the Department of Statistics ITS

It is my pleasure to welcome you to the Department of Statistics, Faculty of Data Science and Analytics (SCIENTICS), Institut Teknologi Sepuluh Nopember (ITS). Our department stands as a center of excellence in education and research in the field of Statistics and Data Science in accordance with our department's vision:

“ To become an internationally reputable institution for education and development of **computation-based Statistics and Data Science** in science and technology and its applications in the fields of **Industry, Business, Economics, Social, Environment and Health**. ”

On behalf of the Department of Statistics, FSAD ITS, I extend my warmest regards and look forward to your collaboration and support in our journey towards excellence.

About Department of Statistics



Building T 2nd Floor ITS Sukolilo
Campus Surabaya, Indonesia 60111



Phone. +62 31 5943352



Mobile. +62 812-3442-0500



Fax. +62 31 5922940

Email: statistika@its.ac.id



www.its.ac.id/admission/iup

Curriculum 2023 - 2028

Semester I

Calculus I Mechanical Physics Biology
Computer Programming Matrices
Introductions to Statistics Method

Semester II

Database Numerical Analysis Calculus II
Computational Statistics
Introductions to Probability Theory

Semester III

Regression Analysis Official Statistics
Sampling and Survey Techniques
Mathematical Statistics Advanced Mathematics
Design of Experiment

Semester IV

Statistical Quality Control Stochastic Process
Introduction to Econometrics
Non Parametric Statistics
Introduction to Survival Analysis
Applied Multivariate Analysis
Categorical Data Analysis

Semester V

- Simulation Technique
- Statistical Data Analysis
- Data Mining and Visualization
- Business Statistics Innovation
- Introduction to Time Series Analysis
- Statistical Machine Learning

Semester VI

- Technopreneurship
- English
- Pancasila
- Enrichment Course
- Indonesian
- Elective Course I, II, III

Semester VII

- Religion
- Civics
- Research Methodology
- Practical Work
- Elective Course IV, V, VI
- The Technology Application and Digital Transformation

Semester VIII

- Final Project

Laboratory Elective Courses

- Laboratory of Statistical Computing and Data Science
- Laboratory of Official Statistics and Social Data Analytics
- Laboratory of Business and Industrial Data Analytics
- Laboratory of Environmental & Health Statistics and Data Science
- Laboratory of Economics and Financial Data Analytics

More Information



[ITS Statistics Curriculum 2023 - 2028
its.id/m/StatisticsCurriculum2023-2028](https://its.id/m/StatisticsCurriculum2023-2028)

Faculty Members

Laboratory of **Statistical Computing and Data Science**



Head of Laboratory
Prof. Nur Iriawan

Lab Members

Dr. Kartika Fithriasari
Dr. Irhamah
Prof. Heri Kuswanto
Adatul Mukarromah, M.Si.
T. Dwi Ary Widhianingsih, Ph.D.
Muhammad Syukron, M.AI

Laboratory of **Official Statistics and Social Data Analytics**



Head of Laboratory
Prof. Vita Ratnasari

Lab Members

Prof. Nyoman Budiantara
Dr. Ismaini Zain
Dr. Agnes Tuti Rumiati
Erma Oktania Permatasari, M.Si.
Husna Mir'atin Nuroini, M.Stat.
Dea S. Pramaningrum, M.Si.

Laboratory of **Business and Industrial Data Analytics**



Head of Laboratory
Dr. Muhammad Ahsan

Lab Members

Prof. Muhammad Mashuri
Dr. Wibawati
Diaz Fitra Aksioma, Ph.D.
Novri Suhermi, Ph.D.
Rahmatin Nur Amalia, M.Stat.

Laboratory of **Environmental & Health Statistics and Data Science**



Head of Laboratory
Prof. Bambang W. Otok

Lab Members

Prof. Purhadi
Santi Wulan Purnami, Ph.D.
Jerry Dwi T. Purnomo, Ph.D.
Dr. Sutikno
Shofi Andari, Ph.D.
Dr. Achmad Choiruddin

Laboratory of **Economics and Financial Data Analytics**



Head of Laboratory
Dr. Muhammad Sjahid Akbar

Lab Members

Prof. Setiawan
Dr.rer.pol. Dedy Dwi Prastyo
Santi Puteri Rahayu, Ph.D.
Neni Alya Firdausanti, Ph.D.
Veniola Forestryani, M.Stat.

Adjunct Professors

Universiti Teknologi Malaysia, Malaysia

Istanbul Gelisim Universitesi, Turkiye

Universitat Jaume I, Spain

Prof. Ts. Dr. M. Hisyam Lee, FAPM
Prof. Anton Abdulbasah Kamil
Prof. Dr. Jorge Mateu

Job Outlook

Official Statistician

An Official Statistician is a professional responsible for producing accurate and reliable statistical data to support policy-making and public services.

Data Analyst

A Data Analyst is a professional who collects, processes, and interprets data to help organizations make informed decisions.

Data Scientist

A Data Scientist is a professional who analyzes complex data using statistical, machine learning, and programming techniques to extract insights and support decision-making.

Biostatistician

Analyzes health and medical data to support clinical research and healthcare policies.

Credit & Business Analyst

A Credit & Business Analyst is a professional who assesses financial data and market trends to evaluate credit risk and support business decision-making.

Risk Analyst

Evaluates potential financial, operational, or investment risks to support strategic decision-making.

Job Outlook



Employment waiting time average
3 months



Employment acceptance before graduation
23.5%



78% graduates are employed, while others pursue post-graduate

Where do Alumni Work?



Benneth Sinto Briliant Siburian
Data Analyst at PT Trans Berjaya Khatulistiwa (Tiketux)



Firyal Almasah Kamilia
Management Trainee at Transjakarta



Darren Kang Wan Chee
AI Engineer at PT Wide Technologies Indonesia



Farhan Landi
Relationship Manager Development Program at Bank Universal BPR



Kristina Panduwinata
Junior Analyst at Central Bank of Indonesia



Grace Marcella Amelia
Compliance Surveillance and Assurance at FIFGROUP

Double Degree Program IUP-Statistics with Curtin University

4-years Study Scheme



2.5 Years
Study in ITS

S.Stat.
Bachelor of
Statistics



1.5 Years
Study in Curtin
University

B.Sc.
Bachelor of
Actuarial and Applied Statistics



*"Nothing's impossible if you put your mind to it.
But first, you need to wake up and try."*
Kirana (Double Degree Curtin University)



its.id/m/DDStatIUPessex

*"If the fear won't go away, you'll just have to
do it afraid."* Daariin (DD University of Essex)



Choices of Fast Track Programs



3 Years
Study in ITS

S.Stat.
Bachelor of
Statistics



1 Year
Study in Univ. of Essex

B.Sc.
Bachelor of
Statistics or
Data Science and Analytics



1 Year
Study in Univ. of Essex

M.Sc.
Master of
Data Science and Analytics or
Optimisation and Data Analytics
or Actuarial Science or Statistics

Double Degree in Bachelor Program



2.5 Years
Study in ITS

S.Stat.
Bachelor of
Statistics



1.5 Years
Study in Univ. of Essex

B.Sc.
Bachelor of
Statistics or
Data Science and Analytics



its.id/m/DDStatITSCurtin

Double Degree Program IUP-Statistics with University of Essex

Student Activities

DD University of Essex

Obtain double degree from Statistics (S.Stat) from ITS and Data Science (B.Sc.) from Uni. of Essex, or fast track programs!

Outbound Mobility

Outbound mobility gives students the chance to explore their education abroad. It's a golden opportunity to experience new cultures, build international networks, and gain valuable global insights that will set you apart for the future.

Inbound Mobility

Inbound mobility invites international students to study, intern, or join academic programs at our university for a set period. Students abroad will experience ITS' academic excellence and warm hospitality while building lasting global connections.

DD Curtin University

Students can spend 2.5 years in ITS and 1.5 years in Curtin Uni for Actuarial and Applied Statistics

Excursion

An educational activity for students to gain practical knowledge and firsthand experience related to statistics and data science.

IISMA

Indonesian International Student Mobility Awards (IISMA) is a prestigious scholarship to experience studying at top universities overseas for one semester.





ITS
Institut
Teknologi
Sepuluh Nopember



Education is a slow moving
but **powerful** force.

Join Statistics IUP!

Building T 2nd Floor ITS Sukolilo
Campus Surabaya, Indonesia 60111



Phone. +62 31 5943352

Mobile. +62 812-3442-0500



Fax. +62 31 5922940

Email: statistika@its.ac.id



www.its.ac.id/admission/iup

ITS-IUP Admission



its.id/iup-statistics

Statistics IUP Information