CURRICULUM
Structure

Total
144 SKS

ISB-DS

S.01 Applied Mathematics • Information Systems Concept • Algorithm & Programming Language • Accounting Principles

S.02 Database Design • ERP Systems • Application Development • Business Data Communication

S.03 Database Implementation • Statistics for Business • System Analysis & Design • Supply Chain Information Systems

S.04 Data Warehouse • Data Science • Web Design & Development • Cloud Computing

S.05 E-Business • Data Mining • Information Systems Security and Goverment • Business Intelligence

S.06 Decision Support System • Software Quality Assurance • Big Data Processing • Research Methodology

S.07 Internship: Character Development • Internship: Professional Development

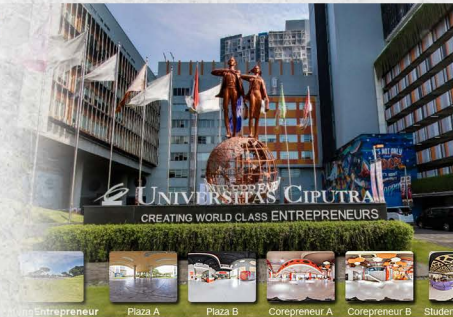**S.08** Final Project Information Credential Program

PARTNERSHIP

tokopedia | SWiNBURNE SWINBURNE UNIVERSITY OF TECHNOLOGY | SAP | CPSSoft accurate

Microsoft Imagine Academy

tableau | tiket.com

monsoon academy | DSU DONGSEO UNIVERSITY | Coventry University | Developer Academy

www.ciputra.ac.id/isb

What They Say About
INFORMATION SYSTEM
FOR BUSINESS Data Science

Priscilla Vanny Amelia
Senior IT Specialist PT Bank Central Asia Tbk
ISB Class of 2018

At BCA, i can feel firsthand that just being able to code is not enough for fresh graduates to compete in the job market in the information technology field. understanding ethics, business processes, and user-centric development are needed to produce market-fit solutions. unfortunately, these things are hard (if not impossible) to learn on our own form scratch, we need proper education, the right environment, and continous practice so that we are fluent in both technical logic and business logic. Studying information system for business major at ciputra university is a valuable provision that has helped a lot in my career. not only learning technical things like programming but here i was also taught to understand the business processes of a company. learning at ciputra university is not only theoretical but also practical. i was given some projects that helped me understand the material being taught. the learning environment at ISB is also very supportive, the aspirations and creativity of students are always well accommodated and well supported.

Let's explore with

UC360°

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CREATING WORLD CLASS ENTREPRENEURS

Entrepreneur | Plaza A | Plaza B | Corepreneur A | Corepreneur B | Student S

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UNIVERSITAS CIPUTRA
CREATING WORLD CLASS ENTREPRENEURS

INFORMATION SYSTEMS FOR BUSINESS
DATA SCIENCE

#LiveUp YourPassion

We are ready to become AI super developers
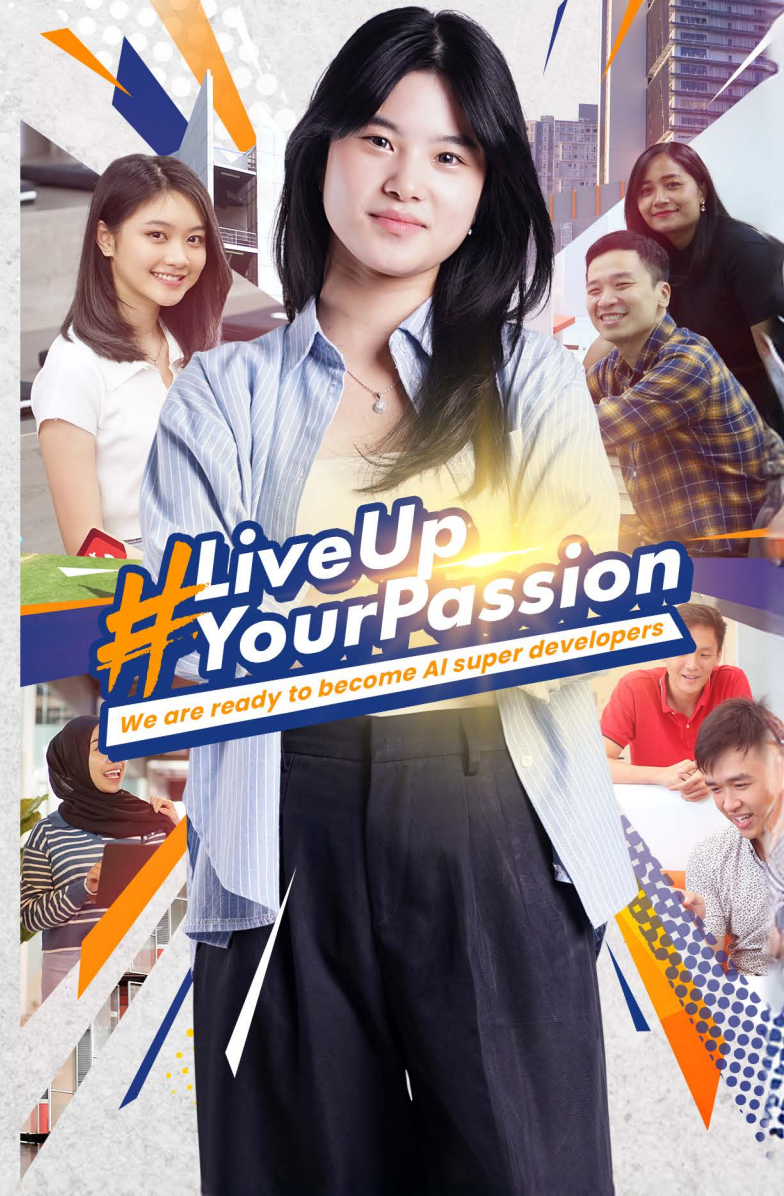
ABOUT ISB-DS

Menghasilkan lulusan yang memiliki kemampuan Sistem Informasi khususnya untuk Sains Data pada domain analisis bisnis dan siap menjawab kebutuhan revolusi industri 4.0 maupun society 5.0. serta era Artificial Intelligence (AI). Selama menjalani masa studi mahasiswa akan menempuh materi perkuliahan yang membentuk kompetensi sains data seperti data science, data analisis, data mining, dan business intelligence yang sesuai dengan standar industri dan bekerjasama dengan perusahaan IT berskala global sekaligus belajar kurikulum yang diadopsi dari. Pada tahun pertama dan kedua, mahasiswa akan mempelajari kompetensi dasar sistem informasi dan pengantar data science. Pada tahun ketiga dan keempat mahasiswa diberi kesempatan untuk mengambil mata kuliah pilihan dan menempuh Internship di area data science. Setelah menyelesaikan masa studinya lulusan akan memiliki kompetensi di bidang analisis bisnis untuk menjadi Data Scientist, Machine Learning Engineer, Business Data Analyst, Business Intelligence Analyst.

DEGREE

Sarjana Komputer
(S.Kom)

CURICULLUM

- Social Media Mining
- Mobile Computing
- Data Engineering
- Web Mining
- Data Privacy
- Ethics and Policy
- Emerging Technology

Graduate PROSPECT

- Data Scientist
- Machine Learning Enginner
- Business data analyst
- Business Intelligence Analyst

Major EXCELLENCE

- Pembelajaran yang melibatkan praktisi dari dunia industri dan kerjasama yang erat dengan penyedia dan pengguna data science pada domain analisis bisnis
- Kesempatan student exchange dengan universitas luar negeri di Korea Selatan, Malaysia, Australia, dan United Kingdom
- Berinteraksi dengan pakar dan praktisi level nasional maupun internasional yang menjadi dosen tamu di kegiatan perkuliahan
- Kesempatan mengikuti Apple Developer Academy @UC dan mendapatkan materi pembelajaran beserta fasilitas penunjang
- Kesempatan internship di perusahaan terkemuka di Indonesia seperti Bank Central Asia (BCA), Tiket.com, Tokopedia, Blu BCA Digital, dan berbagai program kampus Merdeka
- Kesempatan untuk mengikuti studi ekskursi dengan mengunjungi perusahaan berbasis teknologi terkemuka di Indonesia seperti BTPN Jenius, OCBC NISP, ESRI International, Blu BCA Digital untuk mendapatkan informasi teknologi terkini yang digunakan di dunia bisnis dan industri

FACILITIES

- High Performance Computing untuk perkuliahan terkait dengan big data processing dan data science for business
- Studio komputer untuk kegiatan praktikum
- Mini theater untuk kuliah tamu dari industri
- student lounge
- Lisensi perangkat lunak dari microsoft 365
- Penggunaan perangkat lunak yang sesuai dengan standar industry seperti amazon academy, Navicat, Jupyter Notebook, dan Tableau

Student ACHIEVEMENT

- 2nd Place International Digital Enterprise Competition UNJ
- 1st Call For Paper "Transformasi Ekonomi Digital Guna Mencapai Perubahan Berkelanjutan" Held by Himamen FEB Unikal
- 2nd Monsoon International Competition
- 1st National Business Model Competition by Metrodata Academy
- 1st Global University Esport Championship (GUEC 2023) University Technology Malaysia