UNIVERSITÉ TOULOUSE CAPITOLE
FACULTÉ D'INFORMATIQUE

Université Toulouse Capitole

Master of Information Technology Innovative Information Systems—2IS

The **2IS** Master program is designed for Bachelor students in IT aiming at expanding their knowledge on innovative information technologies. Innovative information technologies reinvent and transform businesses; Artificial Intelligence, Big Data and Web Services Orchestration drastically impact end-users since automation is at the heart of business processes.

2IS proposes a unique and broad perspective on innovation in a 2-year program:

- Innovative software solutions such as advanced programming, IoT, self service business intelligence, machine learning and distributed databases.
- Innovative software development methods such as agile management and collaborative design.
- Innovation and entrepreneurship in strategy and management.

At the Faculty of Information Technologies of University of Toulouse Capitole, we promote innovative teaching methods: capstone projects, flipped classrooms and serious games. We go beyond teaching hard skills, proposing training on soft skills like teamwork and communication skills classes.

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Main Courses and Structure

Year 1 - First Term (30 ECTS): Fundamentals
Data Analysis & Visualisation, Project Management, Object Oriented Programming, Advanced Databases, Software Design

Year 1 - Second Term (30 ECTS): From fundamentals to innovation
Business Intelligence, Business Process Intelligence, Web programming, Artificial intelligence, Marketing & Innovation

Year 2 - Third Term (30 ECTS): Innovation
Innovative Software Methods, Strategy, Innovative Data Management, Internet of Things, Sustainable Information Systems, Advanced Topics in Artificial Intelligence, Cybersecurity, User interface and user experience (UI/UX)

Year 2 - Fourth Term (30 ECTS): Innovation in action
5-month internship

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2IS is a **MIAGE** Master program (Méthodes Informatiques Appliquées à la Gestion des Entreprises), which is the reference Master in France for Information Technology. MIAGE programs are offered by more than 20 universities.

All MIAGE graduate students have a unique combination of technical and business skills, guaranteeing a **very high employability**. Typical jobs include business analyst, management and IT consultant, and software entrepreneur.

2IS is organised by researchers of **IRIT** (Institut de Recherche en Informatique de Toulouse), one of the major computer science institutes in France.
The university campus is conveniently located in the **city center**.

Teaching language
English for all courses

Required Bachelor in Information Technology or Information Systems

Studying in Toulouse

Tuiton fees: around 400€ for each year including health insurance

Toul'Box and **Welcome Desk** for an easy arrival in Toulouse

https://toulbox.univ-toulouse.fr/en/
http://en.univ-toulouse.fr/welcome-desk

Living costs around 700–800€ per month

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How to apply

Applications to be submitted via Campus France or University website according to your situation. All details available on the 2IS webpage: http://miage.ut-capitole.fr/2is

Campus France application period: from October to December.
eCandidatures: apply on March

Main documents CV, grade transcripts, cover letter, evidence of English proficiency (CEF level B2 is required)