



Université Toulouse I Capitole



# Master of Information Technology Innovative Information Systems—ZIS

The **ZIS** 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.

**ZIS** 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 I 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.

## Main Courses and Structure

**Year 1 - First Term (30 ECTS): Fundamentals** Business Intelligence, Project Management, Data analytics, Advanced Programming, Software Analysis and Design

**Year 1 - Second Term (30 ECTS): From fundamentals to innovation** Business Process Management, Web Services, Artificial intelligence, Entrepreneurship

**Year 2 - Third Term (30 ECTS): Innovation** Innovative Software Methods, Business Strategy and IT Innovation, Innovative Data Management, Internet of Things and Web Development, Sustainable Information Systems, Collective Intelligence, Cybersecurity, UX

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

Université Toulouse I Capitole  
Faculté d'Informatique

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## Teaching language

English for all courses

**Required** Bachelor in Information Technology or Information Systems

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# Master of Information Technology Innovative Information Systems—2IS

**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**,

## Studying in Toulouse

**Tuition fees:** 400€ for Y1 and around 400€ for Y2 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

## How to apply

**International students via Campus France: deadline on March 30**  
**Students holding French degrees: deadline on 1st June**

**Applications** to be submitted via Campus France or University web site, all details available on the 2IS webpage: <http://miage.ut-capitole.fr/2is>

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