



Université Toulouse 1 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, 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 1 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.

Université Toulouse 1 Capitole  
Faculté d'Informatique

[miage.ut-capitole.fr/2is](http://miage.ut-capitole.fr/2is)

+33 5.67.73.29.61 / +33 5. 61.12.87.78

[umberto.grandi@ut-capitole.fr](mailto:umberto.grandi@ut-capitole.fr)  
[laurent.perrussel@ut-capitole.fr](mailto:laurent.perrussel@ut-capitole.fr)

## Main Courses and Structure

**Year 1 - First Term (30 ECTS): Fundamentals** Business Intelligence, Project Management, Data Science, Advanced Programming,

**Year 1 - Second Term (30 ECTS): From fundamentals to innovation** Business Processes, Automation, Computational intelligence, Entrepreneurship

**Year 2 - Third Term (30 ECTS): Innovation** Innovative Software Methods, Business Strategy and IT Innovation, Innovative Data Management, Collective Intelligence

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



Université Toulouse 1 Capitole



# 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**,

## Teaching language

English for all courses

**Required** Bachelor in  
Information Technology

## Studying in Toulouse

**Tuition fees** around 600€ per academic 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 500-600€ per month

Université Toulouse 1 Capitole  
Faculté d'Informatique

miage.ut-  
capitole.fr/2is

+33 5.67.73.29.61 / +33 5. 61.12.87.78

umberto.grandi@ut-capitole.fr  
laurent.perrussel@ut-capitole.fr

## How to apply

**International students: deadline on 30 April**

**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)