What will you learn in the TWCAM Master?

Web Technologies
- Back-end front-end development
- Use of frameworks for both servers and clients
- Services development

Cloud Computing
- Learning and using cloud computing infrastructures
- Learning and using patterns for applications development
- Designing architectures based in microservices and containers

Mobile Applications
- Developing mobile applications
- Developing apps using augmented reality
- Distributing multimedia content

Who is it addressed to?

Students with degrees in the field of Information and Communication Technologies, such as:

- Degree in Informatics Engineering
- Degree in Multimedia Engineering
- Degree in Telematics Engineering
- Degrees with EURO-INF label of excellence
- Technical Engineer in Systems Data Processing
- Degree in Telecommunication Technologies and Services Engineering

The IT sector demands for highly specialised professionals able to work efficiently for infrastructures, clients and servers (full-stack development).

Accept the challenge.
## Curriculum

<table>
<thead>
<tr>
<th>Course</th>
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<th>M</th>
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<td>Data Centres and Virtualisation</td>
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<td>Resource Management and Automation of Operations</td>
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<td>Cloud Computing</td>
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<td>Server-Side Programming</td>
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<td>Distributed Component-Based and Service-Based Development</td>
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<td>Client-Side Programming and Visualisation</td>
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<td>Mobile Devices and Augmented Reality</td>
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<td>Relational and Non-Relational Data Persistence</td>
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<td>Web and Social Data Analysis</td>
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<td>Multimedia Content Management and Distribution</td>
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<td>Final Master’s Degree Project</td>
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## Master’s Degree in Web Technologies, Cloud Computing and Mobile Applications

1 year (60 ECTS)  
September — July  
24 places

**Study the TWCAM Master’s Degree in ETSE-UV**

- Highly practical training  
- Maximum of 24 students  
- Seminars taught by professionals  
- Experienced staff in teaching and transference  
- Educational and extracurricular internships in companies

**Career opportunities**

- Web applications development (back and front-end)  
- Mobile applications development  
- Design of cloud applications  
- Full-stack development of apps  
- Software projects management  
- Consulting

**Connection with doctoral studies**

Doctoral Programme in Information Technologies, Communications and Computing

- Cloud architecture and services  
- Data analysis and visualisation  
- Bioinformatics  
- Virtual reality (VR) and augmented reality (AR)