



University of Oum El Bouaghi

Master's degree in Computer Science & Information Systems

1. Speciality: * Distributed Architectures

2. Program Description:

The main objective of the Academic Master's "Distributed Architectures" is to complete the initial training acquired as part of the License course with more advanced fundamental knowledge in the field of distributed systems. In addition to meeting research needs as such, the training offered is therefore fundamental in order to train students who will be able to adapt to the constant evolution in the field of distributed computing systems in general, both in terms of hardware and software. The detailed program is given on the Table below.

3. Modules

Level	Semester	Subjects taught (modules)	
1 st year	S1	<ul style="list-style-type: none"> - Distributed software engineering - Artificial intelligence - Formal tools - Algorithmic methods 	<ul style="list-style-type: none"> - Foreign language (English) - Mini project - Communication
	S2	<ul style="list-style-type: none"> - TCP/IP networks - Distributed algorithms - Introduction to web application development - Modeling, simulation and performance evaluation 	<ul style="list-style-type: none"> - Constraint programming - Research methodology - Foreign language (English) - Entrepreneurship & Project Management
2 nd year	S3	<ul style="list-style-type: none"> - Multi-agents systems - Distributed architectures - Advanced Computer Security - Cloud Computing & Virtualization 	<ul style="list-style-type: none"> - Service-oriented architectures - Foreign language (English) - Legislation
	S4	<ul style="list-style-type: none"> - Final project 	