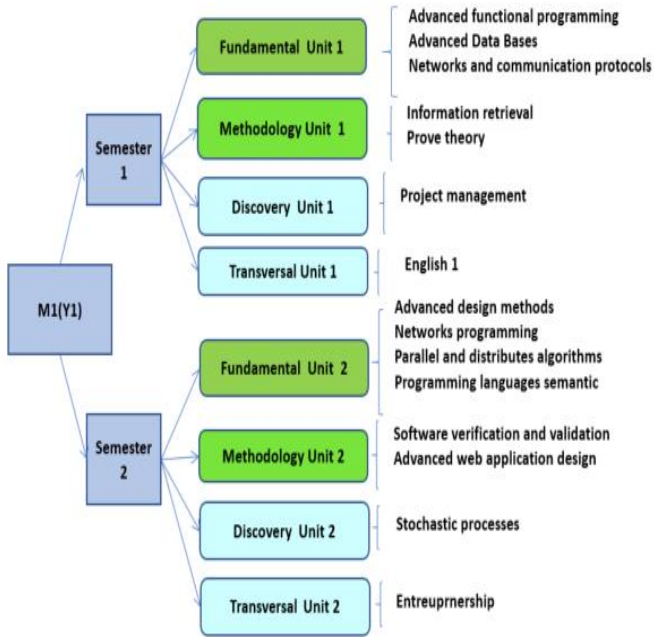


Master 1 The First year

The training program is based on



Purpose: skills corresponding to computer science, software engineering and information systems.

Areas of Activities covered:

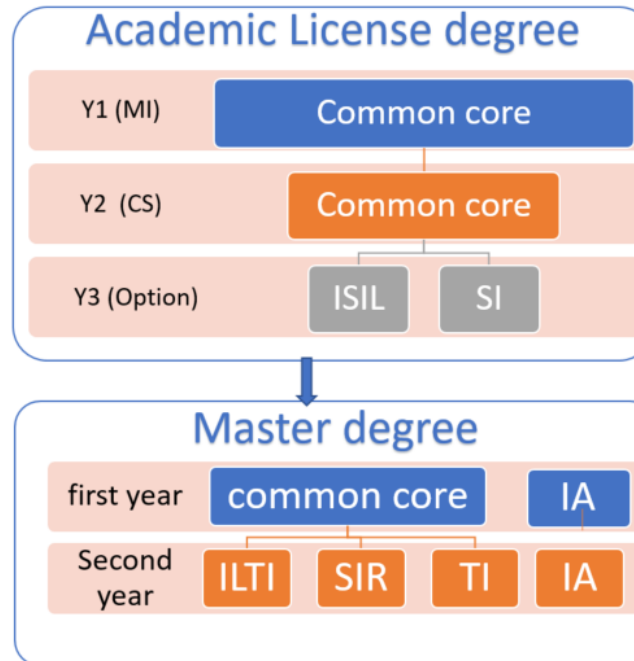
1. Analysts
2. Designers
3. Programmers
4. Testers
5. Computer application integrators

Master Level

Master: three programs

1. Information Technologies (TI)
2. Distributed Information Systems (SIR),
3. Software Engineering and Information Processing (ILTI)

Note: a new master program (AI) is being implemented.



<https://dpt-info.univ-boumerdes.dz/>
<https://fs.univ-boumerdes.dz/>



**SCIENCE FACULTY
COMPUTER SCIENCE
DEPARTMENT**

*The Computer Science Department
is located in faculty of sciences of
Boumerdes University .*

Applied Artificial Intelligence (I2A)

new master is being implemented

Prepares students for a wide variety of positions in IA based organizations.

Job opportunities:

1. Data Scientists,
2. Data Analysts,
3. Data Stewards,
4. Data Engineers,
5. Machine Learning Engineers,
6. AI Solution Architects

Master 1 Software Engineering and Information Processing (ILTI)

Academic master oriented more theory and research than industrial.

7. Design, update quality software
8. Integrate software taking into account the environment.
9. Software verification

Master 1 Information Technologies (IT)

The knowledge acquired by the holder of the Master will enable him to:

10. Lead a team of software developers,
11. Write, follow and apply the company's IT master plan
12. Lead the continuous training of the company's staff
13. Develop and/or maintain software.

Master (Y2) / Semester 3 courses			
	ILTI	SIR	TI
UEF1	-Software engineering formal methods -Advanced algorithms and complexity	-Distributed applications -Client – server architecture	-J2EE applications architecture and design -Components technologies
UEF2	-Distributed Information Systems -Logic and Data base	-Distributed Information Systems -Distributed Data bases	-XML application development -Database administration
UEM3	-Security -Datamining		
UED3	Collaborative platforms		
UET3	Research and ethics	English 2	

Master Distributed Information Systems (SIR)

Provides companies with competent executives with the abilities of managing workflows in a local or distributed environment:

Analysis and development of distributed applications. Team work management.

Software Engineering and Information Processing (ILTI)