



INFORMATICS ENGINEERING

MASTER OF SCIENCE

Department of Electrical and Computer Engineering (ECE)
School of Engineering
Hellenic Mediterranean University (HMU)

MEMORANDUM OF UNDERSTANDING
between
UNIVERSITY OF BURGUNDY (France)
and
HELLENIC MEDITERRANEAN UNIVERSITY (Greece)

It is agreed that both HMU and uB will award a Master degree to the candidate if the candidate fully meets the degree award criteria of both universities. The degrees for the candidates who successfully fulfil the requirements are as follows:

i) *M.Sc. Informatics Engineering programme – HMU*

and

ii) *M.Sc. Vision – uB*

Diplôme de master – Master Recherche

Domaine : Sciences et Techniques

Mention : Traitement du Signal et des Images (TSI)

Parcours : Computer Vision (VIBOT)

The students from HMU shall spend the 2 semesters of their first year at HMU to undertake the programme M.Sc. in Informatics Engineering. Then, if the uB M2 admission requirements are fulfilled, HMU students will come to uB during the third semester to continue their studies.

During the fourth semester, the student can either do an internship at HMU or uB or any other partner institution.

List of modules to be taken by students while at HMU:

Semester 1	
1 compulsory module	Project Management and Research Methodologies
+ 2 among	Advanced Software Engineering & Big Data Modelling Computational Intelligence Applied Mathematics
+ 1 among the rest of the modules	

Semester 2	
2 compulsory module	Data structures and Algorithms Advances on digital imaging and computer vision
+1 among	Advanced Topics in Artificial Intelligence Advanced Embedded Systems
+ 1 among the rest of the modules	



International Programme in **Vision & roBOTics**

Year	Semester	Modules	Teaching hours	ECTS
M1	S1	Software Engineering	46	5
		Introduction to Image Processing	46	6
		Applied Mathematics	46	6
		Digital Signal Processing	46	6
		Sensors and Digitization	46	5
		Local Culture	20	2
	S2	Probabilistic Robotics	46	6
		Autonomous Robotics	46	5
		Scene Segmentation and Interpretation	46	6
		Visual Perception	46	6
		Medical Image Analysis	46	5
		Local Culture	20	2
M2	S3	Advanced Image Analysis	50	6
		Multisensor fusion and tracking	50	6
		Real time imaging and control	50	6
		Robotics project	50	6
		Local culture and conferences	15	6
	S4	Research training (MSc thesis)	-	30
			715	120



Remarks:

Tuition fees for uB: 1500 €

Course semester in uB: **no** Erasmus scholarship

Final semester (Thesis): Erasmus scholarship

Health-AI

A 1-year Master degree on AI for Health
coordinated by the University of Bourgogne



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i) *M.Sc. Informatics Engineering programme – HMU*

and

ii) *M.Sc. Informatics – uB*
Diplôme de master – Master Recherche
Domaine : Sciences et Techniques
Mention : Informatique
Parcours : Intelligence-Artificielle-Santé



The minimum credit requirement for the award of the Master Double Degree:

- a. The minimum credit requirement for the HMU Master degree programme is 90 ECTS (considering that UB students should have obtained 60 ECTS at first university, and that those ECTS would be recognized at the second university as part of their Master programme).
- b. The minimum credit requirement for the uB Master degree programme is 120 ECTS over the two-year Master programme (considering that HMU students should have obtained 60 ECTS at first university, and that those ECTS would be recognized at the second university as part of their Master programme).

The students from HMU shall spend the 2 semesters of their first year at HMU to undertake the programme M.Sc. in Informatics Engineering. Then, if the uB M2 admission requirements are fulfilled, HMU students will come to uB during the third semester to continue their studies.

During the fourth semester, the student can either do an internship at HMU or uB or any other partner institution.

List of modules to be taken by students while at HMU:

Semester 1	
1 compulsory module	Project Management and Research Methodologies
+ 2 among	Advanced Software Engineering & Big Data Modelling Computational Intelligence Applied Mathematics
+ 1 among the rest of the modules	

Semester 2	
2 compulsory module	Data structures and Algorithms Advances on digital imaging and computer vision
+1 among	Advanced Topics in Artificial Intelligence Advanced topics in Biomedical Informatics
+ 1 among the rest of the modules	

List of modules to be taken by students while at UB:

Semester 3	
5 compulsory modules	Medical Imaging Image Processing Machine Learning and Deep Learning Cloud Computing and Cybersecurity Hybrid and Distributed AI



Remarks:

- Tuition fees for uB: No tuition
- Course semester in uB: Erasmus scholarship
- Final semester (Thesis): Erasmus scholarship