



FREDERICK UNIVERSITY

Annex 1

Programme Structure

Annex 1 – Programme Structure

PROGRAMME REQUIREMENTS	ECTS
Compulsory courses	40
Specialization Elective courses	20
Master Thesis	30
Total ECTS	90

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
1st Semester								
1.	Required	Computer Networks	WSS501	3	50'	13	39	10
2.	Required	Web Engineering	WSS502	3	50'	13	39	10
3.	Required	Ubiquitous Computing	WSS503	3	50'	13	39	10
2nd Semester								
4.	Required	Distributed and Cloud Computing	WSS504	3	50'	13	39	10
5.	Required/ Research	Master Thesis I – Research Methodology and Thesis Preparation	WSS589					10
6.	Specialization Elective	One (1) elective course from the list of electives						10
3rd Semester								
7.	Required	Master Thesis II – Thesis Implementation and Presentation	WSS590					20
8.	Specialization Elective	One (1) elective course from the list of electives						10

Specialization Electives:**Web Systems Specialization**

Num	Code	Course Name	ECTS
1.	WSS550	Interactive Design for Web Systems	10
2.	WSS551	Data Mining	10
3.	WSS552	Big Data Analytics	10
4.	WSS553	Software Reuse	10
5.	WSS554	Web Applications Security	10

Smart Systems Specialization

Num	Code	Course Name	ECTS
1.	WSS530	Communications for Smart Systems	10
2.	WSS531	Embedded Systems	10
3.	WSS532	Smart Sensors and Actuators	10
4.	WSS533	Network and System Security	10
5.	WSS534	Smart Systems Integration	10