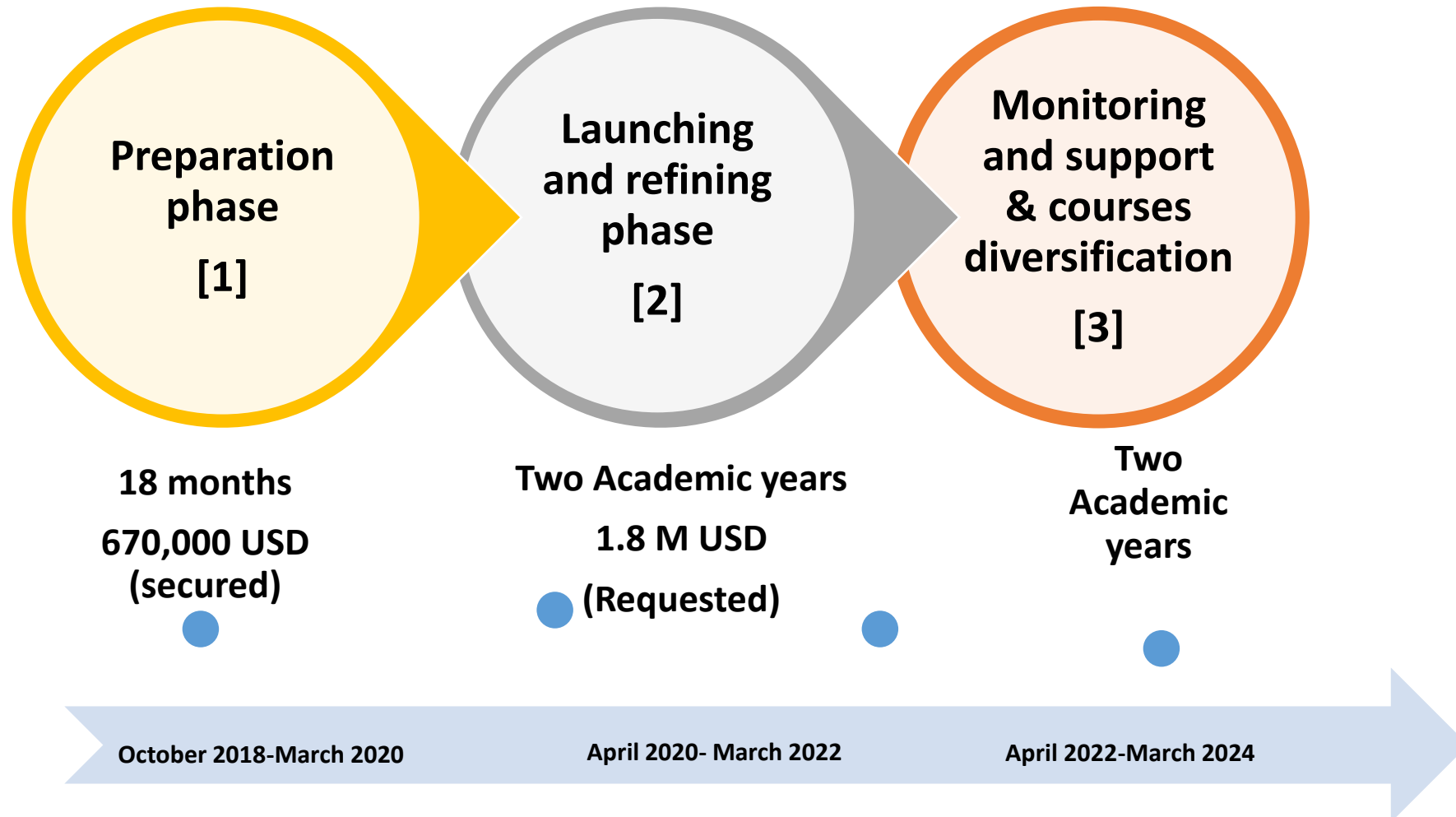










HUMANITARIAN WaSH (Water, Sanitation, and Hygiene) MSc. PROGRAM

School of Natural Resources Engineering and Management
German Jordanian University

PHASES OF MSc PROJECT/PROGRAM



KEY PARTNERS OF MSc PROJECT/PROGRAM

Partner	Identity	Role
	Donor	Funding (400 000 USD)
	Donor	Funding (270 000 USD)
	Hosting University	Academic Coordinator
	French NGO	Lead Coordinator
	French Professional Institute	Design and Develop WaSH related courses
	International cluster- Geneve	to strengthen technical capacity

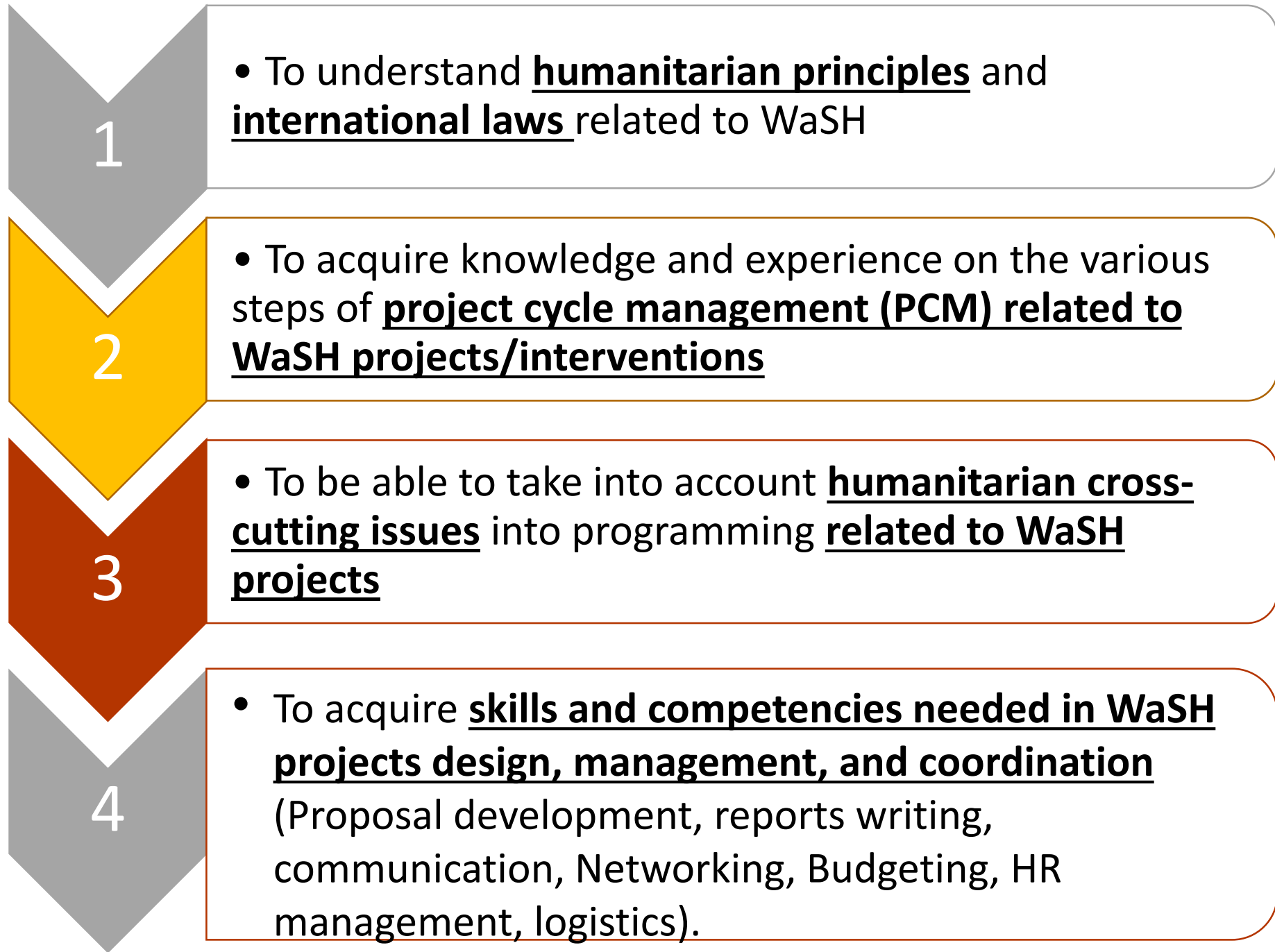


OBJECTIVES OF MSc PROGRAM

OVERALL OBJECTIVES

- **To promote humanitarian WaSH higher education to increase the possibilities of Middle East professionals to join the humanitarian sector, especially at more senior levels.**
- **To educate and train students to access position of WaSH program coordination by starting as Project Manager and to acquire enough knowledge/Hard and soft skills to evolve rapidly to a senior coordination position.**

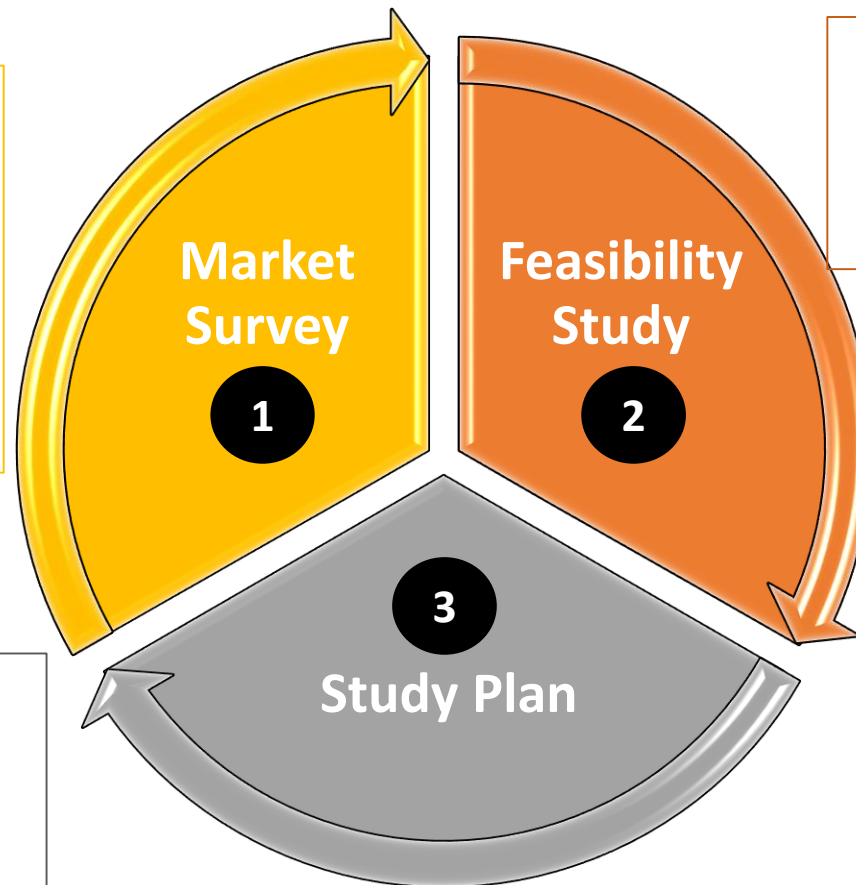
SPECIFIC OBJECTIVES



PROCESS TO DESIGN THE STUDY PLAN OF MSc PROGRAM

- Online survey
- Key interviews
- Job listings
- Competency framework

- Courses development based on key needed competencies
- HEAC requirements

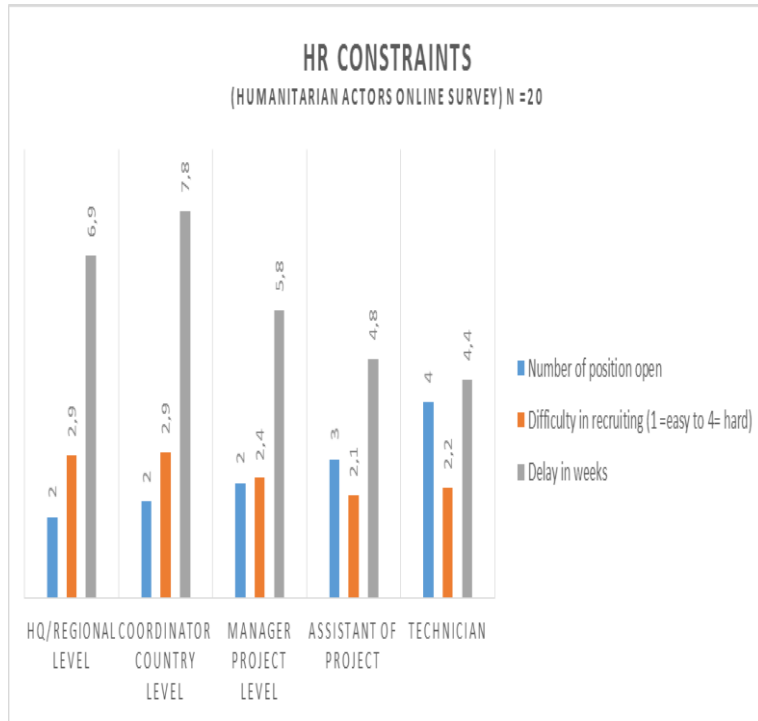


- Market Demand
- Cost and Funding
- Scholarships

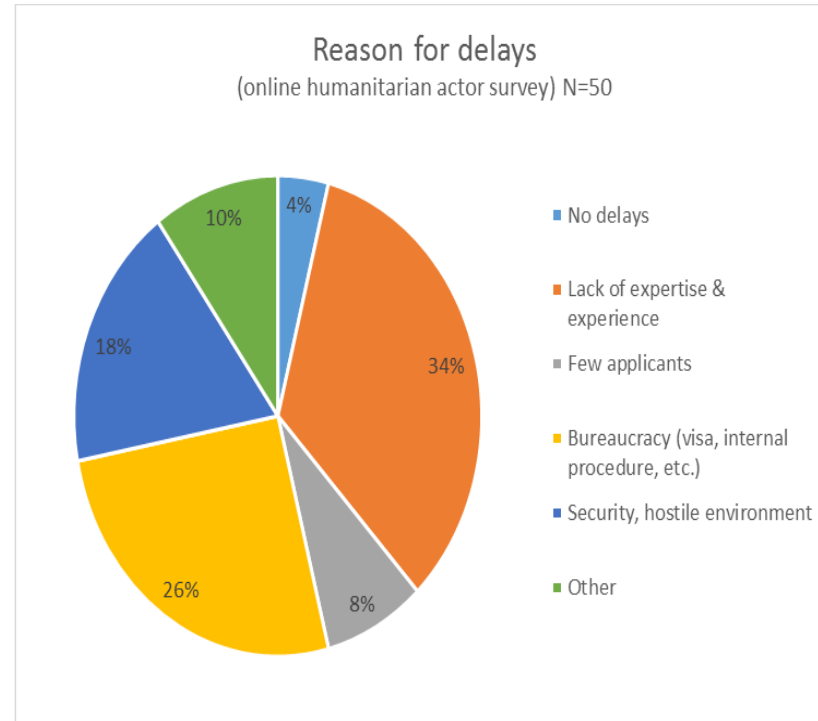
Market Survey Main Outcomes

Willingness of the sector to nationalise Senior WaSH position

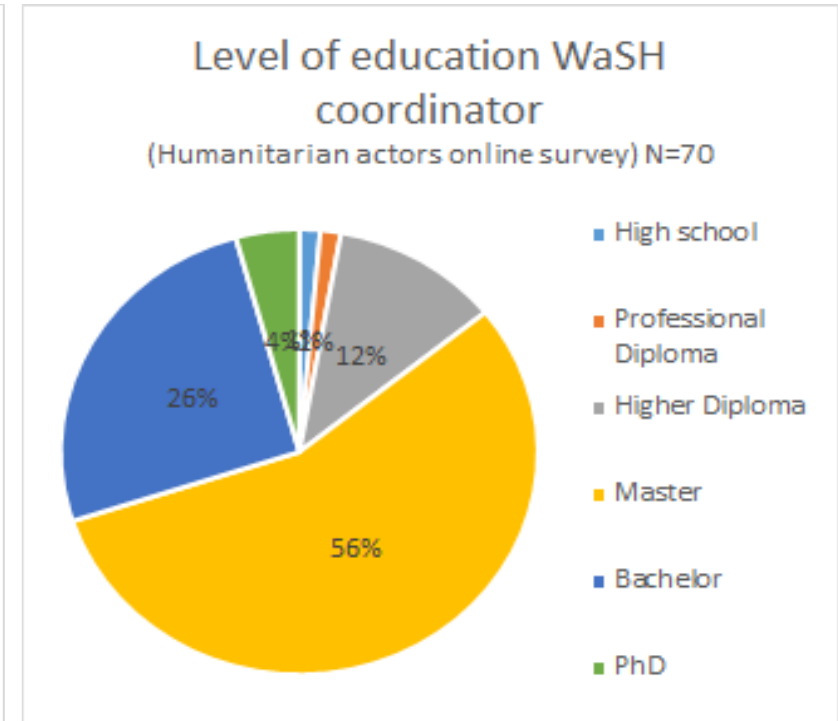
Delay and difficulty of recruitment



34 % lack of expertise



56 % requires master degree



Feasibility Study Main Outcomes

Market Demand

The program is the **first** of its kind **in the Middle East** and the **third worldwide** (One is offered in French)

Capacity building to bridge the gap between technical competencies and soft competencies

Difficulties of recruitment in WaSH sector

Cost

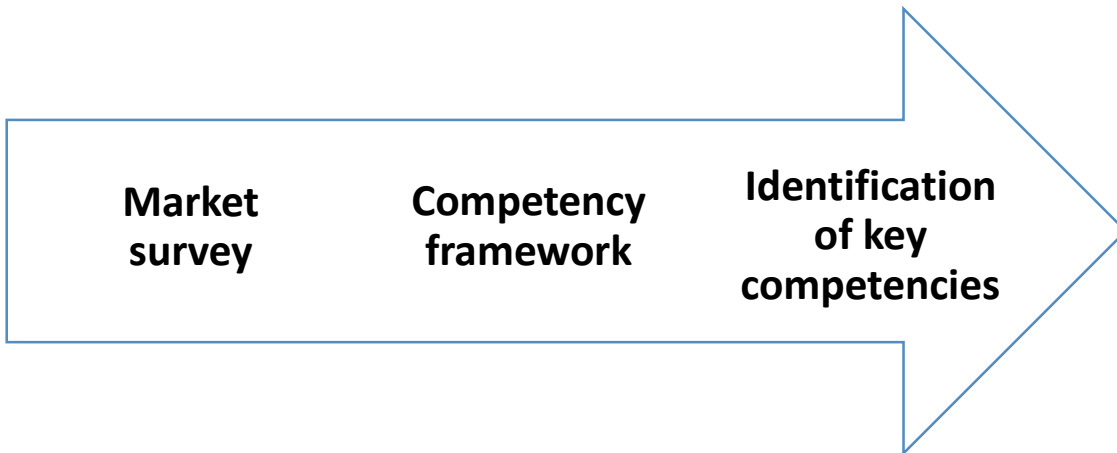
TUITION FEES	120 JD
PRACTICAL ACTIVITY FEES	65 JD
TOTAL	185 JD

Scholarships

Identification of 25 organizations

A plan to secure scholarships for three batches of students

Study plan design



	Competency Framework	Level of expertise needed
	Key Competencies identified	HIGH
1	Humanitarian infrastructure related to WaSH projects	
2	Cross-cutting programming in WaSH projects	
3	Project Cycle Management for WaSH projects/Interventions	
4	Management and coordination of WaSH projects	
5	Behaviour skills	



Study plan- Thesis track only

Classification	Credit Hours
Compulsory Requirements	20
Elective Requirements	4
Internship	3
Master's Thesis	9
Total	36

Compulsory courses (20 Credit Hours)

Course No.	Course Title	Cr. hrs.	Lecture	Lab	Prerequisite
HWaSH 711	Humanitarian System and concepts	3	2	3	
HWaSH 721	Technical essentials: Water and sanitation	4	3	3	
HWaSH 722	Technical essentials: Behaviour change in water, sanitation and hygiene practices	3	2	3	
HWaSH 731	Humanitarian WaSH Project Cycle Management 1	4	2	6	
HWaSH 732	Humanitarian WaSH Project Cycle Management 2	4	2	6	
HWaSH 741	Human Resources, logistics, security of humanitarian WaSH programs	2	1	3	
	Total	20			

Elective courses (4 Credit Hours)

Course No.	Course Title	Cr. hrs.	Lecture	Lab	Prerequisite
HWaSH 733	Budgeting, reporting, communication and partnership management essentials	2	1	0	
HWaSH 734	Budgeting, reporting, communication and partnership management lab	1	0	3	
HWaSH 761	Simulation exercise	1	0	3	
HWaSH 735	Advance cash base programming	3	0		
HWaSH 736	Disaster Risk Management	3	0		
ERE 742	Sustainability	3	0		
ERE 752	Water, Energy, and Environment Management				
ERE 743	Environmental Biotechnology and Bioenergy	3	0		
ERE 751	Advanced water and Wastewater Treatment	3	0		
ERE752	Water, Energy, and Environment Management	3	0		
ERE 734	Techno Economical Feasibility	3	0		
HWaSH 791	Special topics in Humanitarian WaSH	3	0		
	Total	4			



Thesis Requirements (9 Credit Hours)

Course No.	Course Title	Cr. hrs.
HWaSH 779 A	Master thesis	9
HWaSH 779 B	Master thesis	6
HWaSH 779 C	Master thesis	3
HWaSH 779 D	Master thesis	0
	Total Taken	9

Internship Requirements (3 Credit Hours)

Course No.	Course Title	Cr. hrs.
HWaSH 761	Internship	3
	Total	3



Students profile

Any student having a BSc in:

- Water Engineering
- Environmental Engineering
- Civil Engineering
- Sanitation Management
- Water management
- Public Health
- Epidemiology



Thank you