Human
Computer Interaction

Program Directory

Introduction:

As our daily lives in all its aspects are increasingly technologically based, it is important to consider how to develop and design the technology around the user (human) for which it has been found. This program is one of the modern disciplines of high value due to its emphasis on studying the development of information technology to provide the best services to the user (human). The importance of the program lies in its focus on the user first, which contributes to providing more successful, safe, and effective technical services. This program meets the needs of the country and society to contribute to achieving the goals of The Kingdom's Vision 2030 by qualifying Human-Computer Interaction specialists to support the knowledge economy and become a knowledge society.

Program's Mission :

The mission of the Human-Computer Interaction (HCI) program is to provide students with high-quality education to fully develop their professional qualities and skills as HCI specialists and contribute to the development of knowledge-based economy and community service, based on our Arabian and Islamic values.

Program's Goals:

- Provide the public and private sectors with highly competent HCI specialists.
- Provide graduates who demonstrate professionalism and a sense of societal and ethical responsibility in their endeavors.
- Provide graduates who continually improve their skills through professional or postgraduate education.
- Encourage interaction of the students with the community to solve its HCI-related problems.

Graduate Attributes

- Comprehensive (in-depth) knowledge and integrate understanding in HCI
- Creative Application of Knowledge
- Critical Thinking & Problem Solving
- Technical Skills
- Communication Skills
- Professionalism & Ethics
- Leadership & Teamwork
- Life-long learning
- Community service

Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours
Institution Requirements	Required	11	24
	Elective	3	6
College Requirements	Required	11	40
	Elective	0	0
Program Requirements	Required	24	78
	Elective	4	12
Capstone Course/Project		3	12
Field Experience/ Internship		1	8
Others		0	0
Total		57	180

Program Study Plan:

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Department)
1st Year						
Level 1	ELCE 1201	English Language 1	Required		4	Institution
	QR 1101	Holy Quran (1)	Required		2	Institution
	SE 1101	Computational Thinking & Problem Solving	Required		3	College
	MTH 1105	Calculus 1	Required		4	College
	CS 1101	Discrete Structures (1)	Required		4	College
Level 2	ELCE 1202	English Language 2	Required	ELCE 1201	4	College
	ICC 1201	Islamic Culture (1)	Required		2	Institution
	CS 1211	Computer Programming (1)	Required	SE 1101	3	College
	PHY 1110	General Physic (1)	Required		4	College
	MTH 1211	Linear Algebra (1)	Required	MTH 1105	4	College
Level 3	ELCE 1203	English Language 3	Required	ELCE 1202	4	College
	BA1901	Career Preparation Skills	Required		2	Institution
	CS 1312	Computer Programming (2)	Required	CS 1211	3	College
	DS 1302	Topics in Computing	Required		3	College
	MTH1501	Elementary of Statistics and Probability	Required		4	College
2nd Year						
Level 4	QR 2102	Holy Quran (2)	Required	QR 1101	2	Institution
	PSY 2101	Introduction to Psychology	Required		3	Department
	PSY 2102	Introduction to Human Cognition	Required		3	Department
	HCI 2101	Fundamentals of Human-Computer Interaction	Required		4	Department
	CS 2231	Database Fundamentals	Required	CS 1312	3	Department
Level 5	ICC 2202	Islamic Culture (2)	Required	ICC 1201	2	Institution
	HCI 2202	Foundations of User Experience	Required		3	Department
	CS 3251	Web Development Fundamentals	Required	CS2231	4	Department
	HCI 2203	Visual Design	Required		3	Department
	HCI 2204	User Research	Required	HCI 2101	3	Department
Level 6	ARS1601	Arabic Writing and Editing	Required		2	Institution
	HCI 2304	User Interface Design	Required	HCI 2203	4	Department
	SE 2102	Foundations of Software Engineering	Required	CS 1312	3	Department

	HCI 2305	Information Architecture	Required	HCI 2202	3	Department
	HCI 2306	Ethics for the Information Age	Required		3	Department

			3rd Year			
Level 7	HCI 3104	Design Systems	Required	HCI 2203	3	Department
	HCI 3105	Project Management	Required		3	Department
	HCI 3106	Inclusive Design	Required	HCI 2202	3	Department
	HCI 3107	Persuasion Techniques	Required	HCI 2304	3	Department
	HCI 3108	Prototyping Methods	Required	HCI 2304	3	Department
	QR 3103	Holy Quran (3)	Required	QR 2102	2	Institution
Level 8		University Elective (1)	Elective		2	Institution
	ICC 3203	Islamic Culture (3)	Required	ICC 2202	2	Institution
	HCI 3209	Usability Evaluation	Require	HCI 3108	4	Department
	HCI 3210	Designing Mobile Interfaces	Required	HCI 2304	4	Department
	HCI 3211	Voice User Interfaces	Required	HCI 3108	3	Department
Level 9	HCI 3333	Cooperative Training	Required		8	Department

			4th Year			
Level 10	QR 4104	Holy Quran (4)	Required	QR 3103	2	Institution
	HCI 4109	Web Development Frameworks	Required	CS 3251	4	Department
	HCI 4110	Graduation Project (1)	Required	HCI 3105 HCI 3209	4	Department
		University Elective (2)	Elective		2	Institution
		Specialization Elective (1)	Elective		3	Department
Level 11	HCI 4211	User Experience for Extended Reality	Required		3	Department
	HCI 4212	Data Visualization Design	Required	HCI 2203 CS 2231	3	Department
	HCI 4213	Graduation Project (2)	Required	HCI 4110	4	Department
	ICC 4204	Islamic Culture (4)	Required	ICC 3203	2	Institution
		Specialization Elective (2)	Elective		3	Department
Level 12		University Elective (3)	Elective		2	Institution
	HCI 4314	Portfolio Development	Required		3	Department
	HCI 4315	Graduation Project (3)	Required	HCI 4213	4	Department
		Specialization Elective (3)	Elective		3	Department
		Specialization Elective (4)	Elective		3	Department

Elective Courses

#	Course Code	Course Title	Credit Hours	Pre-Requisite Courses	Type of requirements (Institution, College, or Department)
1	HCI 4011	Computer Game Design	3	HCI 3107	Department
2	CS 4051	Mobile Applications	3	CS 2231 CS 3251 HCI 2304	Department
3	HCI 4013	Service Design	3	HCI 2304	Department
4	HCI 4014	Wearable Technologies	3		Department
5	HCI 4015	Human-Robot Interaction	3		Department
6	HCI 4016	Search Engine Optimization and User Experience	3	HCI 2202	Department
7	HCI 4017	Advanced Topics in Human-Computer Interaction	3		Department

Expected Careers

- User interface designer
- User experience designer
- Product manager
- Product designer
- Front-end developer
- User experience researcher
- Usability engineer
- User interaction designer

Program Committees:
(not yet confirmed by the department)

- Program Management Committee
- Committee Curriculum and Academic Planning
- Quality Assurance Committee
- Scheduling Committee
- Examination Committee
- Student Affairs and Guidance Committee
- Graduation Projects Committee
- Postgraduate Studies Committee
- Faculty Affairs Committee
- Student Training Committee
- Alumni Committee
- Coordination Committee

Program Members

List of Faculty Members:

Name	Qualification	Email

Students Number:

135 students are currently enrolled in the program

Departmental Facilities and Resources:

Laboratories-add details.
Any other facilities/resources.

Important Links and Resources:

University Level
Admission FAQs:
https://uqu.edu.sa/dadregis/App/GALLERY/153371?id=215167
The university guide
‫كتيب دليل الطالب‬.indd (uqu.edu.sa)
Ghali Centre for disabled
https://uqu.edu.sa/studaff/App/FAQ/124146
Student Guidance and Counseling Center
https://uqu.edu.sa/studaff/App/FAQ/124167
Department of Student Rights Protection and Disciplinary
https://uqu.edu.sa/studaff/App/FAQ/124286
Student Accommodation
https://uqu.edu.sa/studaff/App/FAQ/124293
Student Transportation Department
https://uqu.edu.sa/studaff/App/FAQ/124272
Regulations for study and examinations
https://drive.uqu.edu.sa/_/dadregis/files/44/LDWEJ442C.pdf
King Abdullah bin Abdulaziz Library.
‫إدارة المكتبات ـ وكالة الجامعة للدراسات العليا والبحث العلمي | جامعة أم القرى‬ (uqu.edu.sa)
Free Microsoft Office package for students
https://uqu.edu.sa/it/1075
University Medical Centre.
‫العيادة الطبية الجامعية ـ وكالة الجامعة | جامعة أم القرى‬ (uqu.edu.sa)

Collage Level for Students
https://uq.sa/7Cbn3M

College Level for Faculty Members
https://uqu.edu.sa/cis/114486