

### First: Determine the program and general (initial) information

1–Preliminary Studies Program specializing in Geography (annual system for four years)

2–The total number of hours is (110) hours, with (87) theoretical hours and (23) practical hours, and the average credit units are (45) units for each year necessary to complete the program.

3–The qualification (certificate) that the student obtains upon completion of the program: Bachelor’s degree in Geography

4–Details of the materials, their codes (subject codes) and the number of hours.

Educationa level	Name of the academic subject(Material symbol)	hour theoretical	hour practical	Number of weekly hours	Educational level	Name of the academic subject(Material symbol)	hour theoretic al	hour practi cal	
	Cartography and remote sensing(UOMEG101)	1	1	4		Industrial geography(UOMEG128)	2		6
	Science of Earth's surface shapes(UOMEG102)	1	1	4		Agricultural geography(UOMEG129)	2		6
	Weather and climate science(UOMEG103)	1	1	4		Geography of cities(UOMEG130)	2		6
	Regional geography of Africa and Australia(UOMEG104)	2		4		Regional Geography of the Americas(UOMEG131)	2		6
	Geography of the dry region(UOMEG105)	1	1	4		Statistics and modeling(UOMEG132)	1	1	6
	Biogeography(UOMEG106)	1	1	4		Geography of natural resource(sUOMEG133)	2		6
	English language level1(UOMEG107)	1		2		Geography of tourism(UOMEG134)	2		6

	The history of Iraq and the ancient Arab world(UOMEG108)	2		4		Detailed climatology(UOMEG135)	1	1	6
	Human rights and democracy(UOMEG109)	1		2		Soil geography(UOMEG136)	1	1	6
	Foundations of education(UOMEG110)	2		4		Geographical research method(sUOMEG137)	1	1	6
	General Arabic language(UOMEG111)	2		4		Curricula and teaching methods(UOMEG138)	2		6
	Computer principles(UOMEG112)	1	1	4		English language level(UOMEG139)3	1		3
	Educational psychology(UOMEG113)	2		4		Counseling and mental health(UOMEG140)	2		6
	Applied geomorphology(UOMEG114)	1	1	4		The history of Iraq and the contemporary Arab world(UOMEG141)	2		6
	Applied climatology(UOMEG115)	1	1	4		Geopolitics(UOMEG142)	2		6
	Population geography(UOMEG116)	2		4		Geographic thought(UOMEG143)	2		6
	Regional Geography of Eurasia(UOMEG117)	2		4		Geography of transport and trade(UOMEG144)	2		6
	Geographic techniques(UOMEG118)	1	1	4		Geographic Information SystemsUOMEG145)	1	1	6
	Thematic cartography(UOMEG119)	1	1	4		Regional geography of Iraq(UOMEG146)	2		6
	Geography of oil and energy(UOMEG120)	2		4		Regional geography of the Arab world(UOMEG147)	2		6
	Rural geography(UOMEG121)	2		4		Measurement and evaluation(UOMEG148)	2		6
	Hydrology(UOMEG122)	1	1	4		View and apply(UOMEG149)		2	6
	Geography of development and planning(UOMEG123)	2		4		English language level4(UOMEG150)	1		3
	History of the Arab Islamic State(UOMEG124)	2		4		Environmental geography and pollution(UOMEG151)	2		6
	English language level2(UOMEG125)	1		2		Social geography(UOMEG152)	2		6
	Educational psychology(UOMEG126)	2		4		Geography of services(UOMEG153)	2		6
	high school education(UOMEG127)	2		4		Geography of seas and oceans(UOMEG154)	2		6

						Graduation Project(UOMEG155)	2	1	3
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**Second A: Determine the program and general information(higher)**

- 1– **Postgraduate program specializing in geography (natural and human)(Semester system (courses) and a research year)**
- 2– **Total of Total units are (34) units, with (24) units for the preparatory year and (10) units for the dissertation**
- 3– **The qualification (certificate) that the student obtains upon completion of the program: Master's degree in physical or human geography.**
- 4– **Details of subjects, their codes, and number of hours:**

Subject Name(Material symbol)	number of units	Subject Name(Material symbol)	number of units
Geomorphological problems(UOMEG166)	2	Economic problems(UOMEG172)	2
Human problems(UOMEG167)	2	Climate problems(UOMEG173)	2
English texts(UOMEG168)	2	English texts(UOMEG174)	2
Quantitative research and analysis methodology(UOMEG169)	2	Geographic Information Systems(UOMEG175)	2
programming(UOMEG170)	2	Specialized materials(UOMEG176)	2
Teaching methods(UOMEG171)	2	Specialized materials(UOMEG177)	2
number of units	12	number of units	12

**Third: Identification of the program and general information(higher)**

- 1– **Postgraduate program specializing in geography teaching methods (Semester system (courses) and a research year)**

- 2- **Total of Total units are (34) units, with (24) units for the preparatory year and (10) units for the dissertation**
- 3- **The qualification (certificate) that the student obtains upon completion of the program: Master in Geography Teaching Methods.**
- 4- **Details of subjects, their codes, and number of hours:**

The first course	number of units	Production of computer maps(UOMEG161)	2
Subject Name(Material symbol)	2	Topographic maps(UOMEG162)	2
Rural land uses(UOMEG156)	2	Representation and graphical treatment(UOMEG163)	2
Remote Sensing(UOMEG157)	2	Location maps(UOMEG164)	2
Databas(eUOMEG158)	2	Urban land uses(UOMEG165)	2
Geographic information systems(UOMEG159)	2	number of units	10
Teaching methods(UOMEG160)	10	Production of computer maps(UOMEG161)	2
number of units	number of units	Topographic maps(UOMEG162)	2

**Fifth: Identification of the program and general information(higher)**

- 1- **The graduate program specializes in philosophy in natural or human geography (Semester system (courses) and two years of research)**
- 2- **Total of Total units are (60) units, with (36) units for the preparatory year and (24) units for the dissertation**
- 3- **The qualification (certificate) that the student obtains upon completion of the program: Doctor of Philosophy in Geography.**
- 4- **Details of subjects, their codes, and number of hours:**

Subject Name(To symbol the material)	number of units	Subject Name(Material symbol)	number of units
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Problems in economic geography(UOMEG190)	3	Philosophy of geography(UOMEG196)	3
Applied climate(UOMEG191)	3	Human problems(UOMEG197)	3
English texts(UOMEG192)	3	Geomorphological problems(UOMEG198)	3
Geographic Information Systems(UOMEG193)	3	Measurement and evaluation(UOMEG199)	3
Specialized materials(UOMEG194)	3	Specialized materials(UOMEG200)	3
Specialized materials(UOMEG195)	3	Specialized materials(UOMEG201)	3
number of units	18	Subject Name(Material symbol)	18