

Bachelor in Branch : geology

Speciality: Applied geology .

The goal of this training is:

- To provide interdisciplinary teaching in applied sciences, allowing the student to acquire the knowledge necessary for understanding and solving all problems related to soils and natural resources encountered in site development and preservation.
- To impart to the student the knowledge necessary for their practice in both design offices and laboratories.
- To ensure technical skills in the fields of geosciences, as well as the ability to express and organize for environmental problem management.

Field	Branch	Speciality
Eart and Univers sciences	<i>Geology</i>	Applied geology

First Semester

Teaching unit	Matter	Credit	Coefficient	Course	TD	TP	HV
Fundamental Unit	Geology 1	8	4	3h00	-	3h00	90h00
	Mathematics 1	4	2	1h30	1h30	-	45h00
	Physics 1	3	2	1h30	1h30	-	45h00
	Chemistry 1	4	2	1h30	1h30	-	45h00
Methodological unit	Biology 1	4	2	1h30	-	1h30	45h00
	Geomorphology	4	2	1h30	-	1h30	45h00
Transversale Unit	Informatics 1	2	2	1h30	-	1h30	45h00
	Technical expression 1	1	1	-	1h30	-	22h30

Second Semester 2

Teaching unit	Matter	Credit	Coefficient	Courses	TD	Practical Work	Volume (hour)
Fundamental Unit	Geology 2	8	4	3h00	-	3h00	90h00
	Mathematics 2	4	2	1h30	1h30	-	45h00
	Physics 2	3	2	1h30	1h30	-	45h00
	Chemistry 2	4	2	1h30	1h30	-	45h00
Methodological unit	Biology 2	4	2	1h30	-	1H30	45h00
	Introduction to the geological map	4	2	1h30	-	1H30	45h00
Transversale Unit	Informatics 2	2	2	1H30	-	1H30	45h00
	Technical expression 2	1	1	-	1h30	-	22h30

Third Semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	HV
Fundamental Unit	Crystallography	6	3	1h30	3h		67h30
	Mineralogy	6	3	1h30		3h00	67h30
	Tectonics 1	6	3	1h30		3h 00	67h30
Methodological unit	Stratigraphy	4	2	1h30	1h30		45h00
	Paleontology	5	3	1h30		2h30	60h00
Transversale Unit	Database management.	2	2	1h30		1h30	45h00
	English language 1	1	1		1h30		22h30

Fourth semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	HV
Fundamental Unit	Petrology of magmatic rocks	5	3	1h30		3h00	67h30
	Petrology of sedimentary rocks	5	3	1h30		03h00	67h30
	Tectonics 2	5	3	1h30		3h00	67h30
	Micropaleontology	5	3	1h30		3h00	67h30
Methodological unit	Geochemistry	4	2	1h30		2h30	60h00
	Field training	4	2				45h00
Discovery unit	Geophysics	2	2	1h30	1h30		45h00

Fifth semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	HV
Fundamental Unit	Petrology of metamorphic rocks	5	3	1h30		3h	67h30
	Sedimentology	7	4	3h		3h	90h
	Historical geology	4	2	3h			45h
	Regional geology	5	3	1h30		3h	67h30
Methodological unit	Geophysics	4	2	1h30	1h30	45h	
	geostatistics	4	2	1h30	1h30	45h	
Transversale Unit	Technical english	1	1	1h30			22h30

