

**Master in Branch *Geology***

**Speciality *Mining Geology***

**Brief**

Mining Geology at Khemis Miliana University is one of the most important speciality of Geology . it opens on the professional field of mining activities, training provides students with an understanding of the fundamental principles of Economic geology. At the Master's level, all students are required to follow three semesters of different courses in geological , gitological , metallogenic concepts and final project that will be defended at the end of the fourth semester.

Field	Branch	Speciality
<i>Earth and univers sciences</i>	<b>Geology</b>	<i>Mining Geology</i>

**First Semester**

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	Volume (hour)
<b>Fundamental Unit</b>	Exogenous gitology	6	3	1h30		3h00	67h30
	Useful substances	6	3	1h30		3h00	67h30
	Petrography and Geochemistry	6	3	1h30		1h30	45h00
<b>Methodological unit</b>	Geophysical prospection	5	3	1h30	1h30		45h00
	Geochemical prospection	4	2	1h30	1h30		45h00
<b>Discovery unit</b>	Study methods of mineral <u>deposit</u>	1	1	1h30	1h30		45h00
<b>Transversale Unit</b>	GIS and remote sensing	1	1	1h30	1h30		45h00
	Scientific english	1	1	1h30			22h30

## Second Semester 2

Teaching unit	Matter	Credit	Coefficient	Courses	TD	TP	Volume (hour)
<b>Fundamental Unit</b>	Endogenous geology	6	3	1h30		3h00	67h30
	Algerian geology	6	3	3h00		3h00	90h00
	Global tectonic and mineral resources	6	3	1h30		1h30	45h00
<b>Methodological Unit</b>	Analytical techniques	5	3	1h30	1h30		45h00
	Internship1	4	2				45h00
<b>Discovery unit</b>	Geostatistics	2	2	1h30	1h30		45h00
<b>Transversale Unit</b>	Numerical methods and applied computing	1	1	1h30	1h30		45h00

### Third Semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	Volume (hour)
<b>Fundamental Unit</b>	Mineral prospection and exploration	6	3	3h00	3h00		90h00
	Mining exploitation	6	3	3h00		3h00	90h00
	Impact of mining on the environment	6	3	3h00	1h30		67h30
<b>Methodological unit</b>	Entrepreneurship and Mining Project Management	5	3	1h30	1h30		45h00
	Intership 2	4	2				45h00
<b>Discovery unit</b>	Mining economy	2	2	1h30			22h30
<b>Transversale Unit</b>	Introduction to documentary research	1	1	1h30			22h30

### Semester 4

Internship in a company sanctioned by a thesis and a defense.

	VHS	Coeff	Crédits
Personal Work	250	12	20
Internship in a company	125	05	10
Seminars			
Other (Supervision)			
<b>Total Semester 4</b>	<b>375</b>	<b>17</b>	<b>30</b>