

## General information

Attendance required  
Schedule: 0900-15.00 h  
Places available: 25  
Course length: 18 months  
Credits: 90 ECTS  
Language of instruction: Spanish & English  
Approximate Fees: 36.25 €/credit  
Location: Faculty of Geology

## Entry requirements

Official degree in Spain or in any higher education institution of a member state of the European Union

Access profile: Geological Engineering, Mining Engineering, Civil Urban Engineering, Civil Engineering, Environmental Sciences, Marine Science or Geography.



## Career opportunities

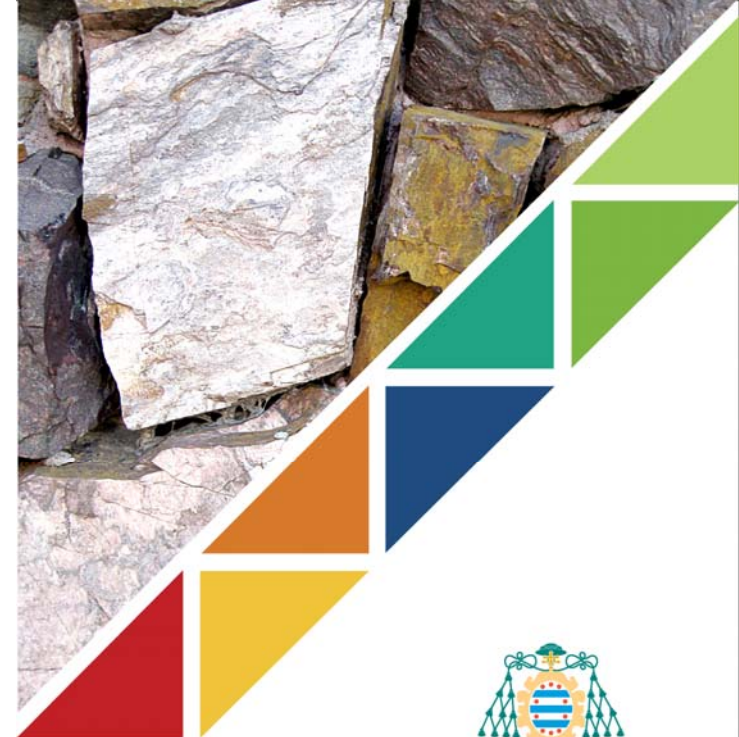
Access to PhD programmes  
Education  
Professional fields: infrastructures, exploration and exploitation of geological resources, the environment, geological hazards, development cooperation, etc.

## Pre-registration and registration

Pre-registration period: from 3 April to 6 June 2018

Complete the registration: from 6 August to 3 September 2018

<http://cei.uniovi.es/postgrado/masteres/>



University of Oviedo  
Department of Geology

Master's degree in  
**GEOLOGICAL RESOURCES &  
ENGINEERING GEOLOGY**

<http://geologia.uniovi.es/infoacademica/murgig>

[master@geol.uniovi.es](mailto:master@geol.uniovi.es)

+34 985109550

2018/2019

<b>METHODOLOGY MODULE</b>	⇒ Methods in Geology (9 ECTS)	<ul style="list-style-type: none"> <li>• Multidisciplinary fieldwork</li> <li>• Digital Cartography and Geographic Information Systems</li> <li>• Quality Control, Documentation, Implementation and Legislation in Geology</li> </ul>	<b>INTERNSHIP</b> (6 ECTS)
<b>COMPULSORY MODULE</b>	⇒ Foundations of Geological Resources (15 ECTS)	<ul style="list-style-type: none"> <li>• Applied Geophysics</li> <li>• Water Geochemistry</li> <li>• Modelling of Mineral Resources</li> <li>• Geomorphological indicators: Use and Applications</li> <li>• Tectonics – Sedimentation Relationships</li> </ul>	
	⇒ Geological Engineering (15 ECTS)	<ul style="list-style-type: none"> <li>• Geology Applied to Civil Engineering</li> <li>• Geotechnology for Linear Underground Works</li> <li>• Geotechnology for Linear Surface Works</li> <li>• Soil and rock Mechanics</li> <li>• Geotechnology for Construction</li> </ul>	<b>MASTER'S THESIS</b> (18 ECTS)
<b>OPTIONAL MODULES</b>	⇒ Geological Hazards and dynamics of the relief (12 ECTS)	<ul style="list-style-type: none"> <li>• Dynamics and Sedimentation Applied to Coastal Management</li> <li>• Applied Geomorphology and Soils</li> <li>• Seismic and Volcanic Hazards</li> <li>• External Geological Hazards</li> </ul>	
	⇒ Fossil Fuels (12 ECTS)	<ul style="list-style-type: none"> <li>• Coal and Oil</li> <li>• Sedimentary and Reservoir Systems</li> <li>• Applied Micro-palaeontology (practical subject)</li> <li>• Structural Studies in Hydrocarbons Exploration</li> </ul>	
	⇒ Subsoil structure and Geophysics (12 ECTS)	<ul style="list-style-type: none"> <li>• Analysis of folding</li> <li>• Microtectonics</li> <li>• Construction and Validation of Structural Interpretations</li> <li>• Structural discontinuities</li> </ul>	
	⇒ Deposit Characterization and Exploration (12 ECTS)	<ul style="list-style-type: none"> <li>• Deposit Characterization Techniques</li> <li>• Geological Survey Applied to Mining</li> <li>• Ornamental Rocks: Durability and Conservation</li> <li>• Applied Petrogeny</li> </ul>	
	⇒ Water and Environment (12 ECTS)	<ul style="list-style-type: none"> <li>• Deep Geological Storage and Environmental Impact Assessment</li> <li>• Climate Change</li> <li>• Applied Hydrogeology</li> <li>• Mineralogy and Applied Geochemistry and Environmental Mineralogy</li> </ul>	
			<b>Master 90 ECTS</b> = <b>Methodology Mod.</b> + <b>Compulsory Mod.</b> + <b>27 ECTS Optional Modules</b> + <b>Internship</b> + <b>Master's Thesis</b>