

# MSc Environmental Sciences

## Specialisation in: Environmental Monitoring and Pollution Assessment (ES I)

1. Semester winter semester	2. Semester summer semester		3. Semester winter semester	4. Semester summer semester
<b>EAS</b> 5 CP Environmental System Analysis MA6ES001	<b>CH4</b> 5 CP Environmental Chemistry MA6ES010	<b>EAC</b> 5 CP Environ. analytical Chemistry MA6ES011	<b>EP</b> 5 CP Ecotoxic Effects of Environm. Pollutants MA6ES014	<b>RP</b> Research Project MA6ES003 <small>(also available in summer semester)</small>
<b>S2</b> 5 CP Multivar. Statistics (II) MA6ES002	<b>MWQ</b> 5 CP Aquatic Pollution Assessment MA6ES012	<b>RBP</b> 5 CP Regional Biomonitoring Project MA6ES013	<b>10 CP</b>	
<b>NEW</b> 5 CP <small>(Switched with EMS)</small> Introduction to Geoinformatics MA6ES000	<b>SBF</b> 5 CP Soil Biology & Soil Functioning MA6ES028	<b>FE6</b> 5 CP Advanced RS Data Processing & Analysis MA6ES016	<b>GEOS</b> 5 CP Geo statistics MA6ES033	<b>MAS</b> Master Thesis MA6ES004
<b>FE5</b> 5 CP Fundamentals of Environm. Rem.Sens. MA6ES006	<b>EXC</b> 5 CP Interdis. Excursion or Field Project MA6ES029	<b>SPM</b> 5 CP Phys. Monitoring of Litho- & Hydrosphere MA6ES030	<b>FST</b> 5 CP Fluvial Systems MA6ES034	
<b>ABL</b> 5 CP Atmospheric Boundary Layer MA6ES007	<b>PSR</b> 5 CP Polluted Site Remediation MA6ES025	<b>LSI</b> 5 CP Landsurface Atmosphere Interactions MA6ES022	<b>SUM</b> 5 CP Soil Use & Sustainable Management MA6ES027	
<b>GHM</b> 5 CP Geological Hazards and Management MA6ES008	<b>VE</b> 5 CP Vegetation Ecology MA6ES031	<b>SC</b> 5 CP Sustainable Chemistry MA6ES032	<b>PEC</b> 5 CP Paleoclimate & Palaeoenvironment MA6ES035	
<b>BK5</b> 5 CP Advanced Aspects of Environ. Soil Science MA6ES009	<b>VE</b> 5 CP Vegetation Ecology MA6ES031	<b>SC</b> 5 CP Sustainable Chemistry MA6ES032	<b>NEW SH</b> 5 CP <b>Socio Hydrology</b> MA6ES000	
<b>20 CP</b>	<b>GCC</b> 5 CP Global Climate Change & Energy Resources MA6ES036	<b>10 CP</b>	<b>EMS</b> 5 CP Environmental Monitoring Strategies MA6ES005	
<b>Sum</b> 30 CP	<b>30 CP</b>	<b>30 CP</b>	<b>15 CP</b>	<b>30 CP</b>

 Compulsory Modules

 Optional Modules of 1st semester


 Optional Modules


 interdisciplinary Module

# MSc Environmental Sciences

## Specialisation in: Environmental Remote Sensing and Modelling (ES II)

1. Semester winter semester	2. Semester summer semester	3. Semester winter semester	4. Semester summer semester
<p><b>EAS</b> 5 CP Environmental System Analysis MA6ES001</p> <p><b>S2</b> 5 CP Multivar Statistics (II) MA6ES002</p>	<p>10 CP</p> <p><b>GSDA</b> Geospatial Data Analysis MA6ES015</p> <p>20 CP</p>	<p><b>FE6</b> 5 CP Advanced RS Data Processing &amp; Analysis MA6ES016</p> <p><b>NEU</b> 5 CP Remote Sensing of Global Change Processes MA6ES017</p> <p><b>ERM</b> 5 CP Ecosystem Rem. Sens. &amp; Modelling Concepts Terrestrial Forest Inventory Strategies MA6ES018</p> <p>Remote Sensing Data Analysis and Integration</p> <p>20 CP</p>	<p>10 CP</p> <p><b>RP</b> Research Project MA6ES003 (also available in summer semester)</p> <p>30 CP</p>
<p><b>NEW</b> 5 CP (Switched with EMS) Introduction to Geoinformatics MA6ES000</p> <p><b>FE5</b> 5 CP Fundamentals of Environm. Rem. Sens. MA6ES006</p> <p><b>ABL</b> 5 CP Atmospheric Boundary Layer MA6ES007</p> <p><b>GHM</b> 5 CP Geological Hazards and Management MA6ES008</p> <p><b>BK5</b> 5 CP Advanced Aspects of Environ. Soil Science MA6ES009</p> <p>20 CP</p>	<p><b>TSA</b> 5 CP Satellite Time Series Analysis MA6ES019</p> <p><b>RSM</b> 5 CP Monitoring &amp; Rem. Sens. in Meteorology MA6ES021</p> <p><b>LSI</b> 5 CP Landsurface Atmosphere Interactions MA6ES022</p> <p><b>AVS</b> 5 CP Vegetation Ecology MA6ES031</p> <p><b>EXC</b> 5 CP Interdis. Excursion or Field Project MA6ES029</p> <p><b>M2</b> 5 CP Numeric for Geoscientists MA6ES037</p>	<p><b>NNM</b> 5 CP Numerical Modelling in Meteorology Dynamics MA6ES020</p> <p><b>SVT</b> 5 CP SVAT-Models &amp; Integr. of RS Data MA6ES023</p> <p><b>EMRE</b> 5 CP Envir. Management &amp; Resource Economics MA6ES026</p> <p><b>SUM</b> 5 CP Soil Use &amp; Sustainable Management MA6ES027</p> <p><b>GEOS</b> 5 CP Geo Statistics MA6ES033</p> <p>10 CP</p>	<p>10 CP</p> <p><b>RP</b> Research Project MA6ES003</p> <p><b>MAS</b> Master Thesis MA6ES034</p> <p>20 CP</p>
	<p><b>Environmental Remote Sensing</b></p> <p>20 CP</p>	<p><b>Environmental Meteorology</b></p> <p>20 CP</p>	
	<p><b>Optional Modules</b></p> <p>10 CP</p>	<p><b>Optional Modules</b></p> <p>10 CP</p>	
<p>Summe 30 CP</p>	<p>30 CP 20 Pflicht</p>	<p>30 CP 20 Pflicht</p>	<p>30 CP</p>

 Compulsory Modules

 Compulsory Modules Environmental Remote Sensing  
 Compulsory Modules Environmental Meteorology

 Optional Modules

 interdisciplinary Module

# MSc Environmental Sciences


## Specialisation in: Environmental Conservation and Restoration Management (ES III)

1. Semester winter semester	2. Semester summer semester	3. Semester winter semester	4. Semester summer semester
<p><b>EAS</b> 5 CP Environmental System Analysis MA6ES001</p> <p><b>S2</b> 5 CP Multivar Statistics (II) MA6ES002</p>	<p><b>NC</b> 5 CP Nature Conservation, Restoration &amp; Protection MA6ES024</p> <p><b>PSR</b> 5 CP Polluted Site Remediation MA6ES025</p>	<p>5 CP <b>EMRE</b> 5 CP Envir. Management &amp; Resource Economics MA6ES026</p> <p><b>SUM</b> 5 CP Soil Use &amp; Sustainable Management MA6ES027</p>	<p>10 CP <b>RP</b> Research Project MA6ES003 (also available in summer semester)</p> <p>30 CP</p>
<p><b>NEW</b> 5 CP (Switched with EMS) Introduction to Geoinformatics MA6ES000</p> <p><b>FE5</b> 5 CP Fundamentals of Environm. Rem.Sens. MA6E*006</p> <p><b>ABL</b> 5 CP Atmospheric Boundary Layer MA6ES007</p> <p><b>GHM</b> 5 CP Geological Hazards and Management MA6ES008</p> <p><b>BK5</b> 5 CP Advanced Aspects of Environ. Soil Science MA6ES009</p> <p><b>20 CP</b></p>	<p><b>VE</b> 5 CP Vegetation Ecology MA6ES031</p> <p><b>SC</b> 5 CP Sustainable Chemistry MA6ES032</p> <p><b>MWQ</b> 5 CP Aquatic Pollution Assessment MA6ES012</p> <p><b>FE6</b> 5 CP Advanced RS Data Processing &amp; Interpret. MA6ES016</p> <p><b>EAC</b> 5 CP Environ. analytical Chemistry MA6ES011</p> <p><b>SPM</b> 5 CP Phys. Monitoring of Litho- &amp; Hydrosphere MA6ES030</p> <p><b>15 CP</b></p>	<p><b>GCC</b> 5 CP Global Climate Change &amp; Energy Resources MA6ES036</p> <p><b>SBF</b> 5 CP Soil Biology &amp; Soil Functioning MA6ES028</p> <p>5 CP <b>ERM</b> 5 CP Ecosystem Remote Sensing &amp; Modelling Concepts MA6ES018 Remote Sensing Data Analysis and Integration</p> <p><b>CH4</b> 5 CP Environmental Chemistry MA6ES012</p> <p><b>EXC</b> 5 CP Interdis. Excursion or Field Project MA6ES029</p> <p><b>10 CP</b></p>	<p><b>EP</b> 5 CP Ecotoxic Effects of Environm. Pollutants MA6ES014</p> <p><b>NEW</b> 5 CP <b>SH</b> Socio Hydrology MA6ES000</p> <p><b>EL</b> 5 CP European Environmental Law MA6ES039</p> <p><b>10 CP</b></p> <p><b>GEOS</b> 5 CP Geo Statistics MA6ES033</p> <p><b>EMS</b> 5 CP Environmental Monitoring Strategies MA6ES005</p> <p><b>BGW</b> 5 CP Bodenerosion unter globalem Wandel (deutsch) MA6ES040</p> <p><b>MAS</b> Master Thesis MA6ES004</p>
<p>Summe 30 CP</p>	<p>30 CP</p>	<p>30 CP</p>	<p>30 CP</p>

 Compulsory Modules

 Optional Modules of 1<sup>st</sup> sem.

 Optional Modules

 interdisciplinary Module