

## Suggested learning paths Specialisation B - Meteorology and Air Quality

### Weather and Climate Dynamics (thesis MAQ - Meteorology)

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
<b>MO</b>	YWU-30306 Interdisciplinary Topics in Earth and Environment	MAT-20306 Advanced Statistics <b>OR</b> INF-22306 Programming in Python <b>OR</b> MAQ-32306 Boundary-Layer Meteorology	HWM-33806 Water and Air Flow Numerical Techniques  <b>OR</b>	MAQ-30306 Atmospheric Practical <b>OR</b> MAQ-35806 Earth System Modelling	MAQ-31806 Atmospheric Modelling	YMC-60809 Academic Consultancy Training
<b>AF</b>		YWU-30806 Environmental Data Collection and Analysis				

Compulsory course
Specialisation courses RO 1 (at least one)
Specialisation courses RO 2 (at least one)
Specialisation courses RO 3 (at least one)
Recommended free choice course

### Urban meteorology and air quality (thesis MAQ - Meteorology or Air Quality and Atmospheric composition)

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
<b>MO</b>	YWU-30306 Interdisciplinary Topics in Earth and Environment	INF-33806 Big Data <b>OR</b> INF-22306 Programming in Python	HWM-33806 Water and Air Flow Numerical Techniques <b>OR</b> MAQ-36306 Clouds in Present and Changing Climate	MAQ-35306 Urban Hydrometeorology	MAQ-31806 Atmospheric Modelling	SOC-40806 Field training Soil-Vegetation- Atmosphere Interactions
<b>AF</b>		MAQ-32306 Boundary-Layer Meteorology	ENP-36806 Governance for Sustainable Cities <b>OR</b> YMS-31403 Metropolitan Data			
	YWU-30806 Environmental Data Collection and Analysis	MAQ-34806 Atmospheric Composition and Air Quality <b>OR</b> MAQ-32806 Atmospheric Dynamics				

### Atmospheric chemistry and air quality (thesis MAQ - Air Quality and Atmospheric composition)

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
<b>MO</b>	YWU-30306 Interdisciplinary Topics in Earth and Environment	INF-33806 Big Data <b>OR</b> INF-22306 Programming in Python	HWM-33806 Water and Air Flow Numerical Techniques <b>OR</b>	MAQ-35806 Earth System Modelling	MAQ-31806 Atmospheric Modelling <b>OR</b>	YMC-60809 Academic Consultancy Training
<b>AF</b>		MAQ-32306 Boundary-Layer Meteorology	SOC-33806 Environmental Analytical Techniques			
	YWU-30806 Environmental Data Collection and Analysis	MAQ-34806 Atmospheric Composition and Air Quality				

### Boundary-layer meteorology and land-atmosphere interactions (thesis MAQ - Meteorology)

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
MO	YWU-30306 Interdisciplinary Topics in Earth and Environment	INF-33806 Big Data <b>OR</b> INF-22306 Programming in Python <b>OR</b> MAQ-32306 Boundary-Layer Meteorology	HWM-33806 Water and Air Flow Numerical Techniques  <b>OR</b>	MAQ-35306 Urban Hydrometeorology  <b>OR</b>	MAQ-31806 Atmospheric Modelling	SOC-40806 Field training Soil-Vegetation- Atmosphere Interactions
AF	YWU-30806 Environmental Data Collection and Analysis	MAQ-32806 Atmospheric Dynamics	MAQ-36306 Clouds in Present and Changing Climate	FTE-35306 Machine Learning	WSG-60812 Design of Climate Change Mitigation and Adaptation Strategies	