Suggested learning paths Specialisation B - Meteorology and Air Quality

Weather and Climate Dynamics

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
MO	YWU-30306 Interdisciplinary Topics in Earth and Environment	MAT-20306 Advanced Statistics **OR** INF-22306 Programming in Python **OR** MAQ-32306 Boundary-layer Processes	HWM-33806 Water and Air Flow Numerical Techniques **OR** MAQ-51306 Clouds in Present and Changing Climate	MAQ-30306 Atmospheric Practical **OR** MAQ-35806 Earth System Modelling	MAQ-31806 Atmospheric Modelling	YMC-60809 Academic Consultancy Training
AF	YWU-30806 Environmental Data Collection and Analysis	MAQ-32806 Atmospheric Dynamics			INF-32306 Software Engineering **OR** GRS-32306 Advanced Earth Observation	

Compulsory course
Specialization-specific courses
Track specific courses
Recommended free choice course

Urban meteorology and air quality

	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 **OR** INF-22306 Programming in Python **OR** MAQ-32306 Boundary-layer Processes	HWM-33806 Water and Air Flow Numerical Techniques **OR** MAQ-51306 Clouds in Present and Changing Climate **OR** ENP-36806 Governance for Sustainable Cities **OR** YMS-31403 Metropolitan Data	MAQ-35306 Urban Hydrometeorology	MAQ-31806 Atmospheric Modelling	SOC-35806 Field training Land-Atmosphere Interactions
AF	YWU-30806 Environmental Data Collection and Analysis	MAQ-34806 Atmospheric Composition and Air Quality **OR** MAQ-32806 Atmospheric Dynamics			WSG-60812 Design of Climate Change Mitigation and Adaptation Strategies	

Atmospheric chemistry and air quality

	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 **OR** INF-22306 Programming in Python **OR** MAQ-32306 Boundary-layer Processes	HWM-33806 Water and Air Flow Numerical Techniques **OR** SOC-33806 Environmental Analytical Techniques	MAQ-35806 Earth System Modelling	MAQ-31806 Atmospheric Modelling	Free choice
AF	YWU-30806 Environmental Data Collection and Analysis	MAQ-34806 Atmospheric Composition and Air Quality			WSG-60812 Design of Climate Change Mitigation and Adaptation Strategies	

Boundary-layer meteorology and land-atmosphere interactions

	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 **OR** INF-22306 Programming in Python **OR** MAQ-32306 Boundary-layer Processes	HWM-33806 Water and Air Flow Numerical Techniques **OR**	MAQ-35306 Urban Hydrometeorology **OR**	MAQ-31806 Atmospheric Modelling	SOC-35806 Field training Land-Atmosphere Interactions
AF	YWU-30806 Environmental Data Collection and Analysis	MAQ-32806 Atmospheric Dynamics	MAQ-51306 Clouds in Present and Changing Climate	FTE-35306 Machine Learning	WSG-60812 Design of Climate Change Mitigation and Adaptation Strategies	