Year One

Compulsory Courses (40 credits):

- Seismology
- Seismics
- Physics of Seismic Instruments
- Theory of Seismic Waves
- Seismic Modelling
- Inversion and Tomography

Soft Skills (4 credits):

- Scientific Writing
- Presentation Skills
- Project Management
- Languages

Optional courses (16 credits):

- Full-Waveform Inversion
- Seismic Data Processing
- Geological Hazard and Risk
- InSAR processing for earthquake source analysis
- In-situ: 3D land seismics
- In-situ: Summer School on Physical Volcanology in the Eifel
- Array Techniques in Seismology
- The Earthquake Deformation Cycle
- In-situ: Observatory course
- ...

Year Two

- Scientific Seminars (4 credits)
- Scientific Focusing Phase (10 credits)
- Introduction to Scientific Practice (16 credits)
- Master’s Thesis (30 credits)