GEOPHYSICS (SEPTEMBER START) (MSc/PgDip/PgCert) 57F660B1/61F660VX/62F660VZ

Duration: 12 months full time (MSc); 9 months full time (PgDip); 4 months full time (PgCert)

Content: All candidates must take the following compulsory courses:

GEOPHYSICS PATHWAY

Stage 1

PD5006 Getting Started at the University of Aberdeen (0 credit points)
GL500A Seismic Reflection Acquisition and Processing (15 credit points)
GL5036 Earth Physics, Structure and Processes (15 credit points)
GL5059 Near Surface and Environmental Geophysics (15 credit points)
GL5069 Borehole Geophysics and Petrophysics (15 credit points)

Stage 2

GL5573 Field Geophysical Data Acquisition and Digital Subsurface Mapping (15 credit points)
GL5575 Seismology and Earth Imaging (15 credit points)
PX5509 Machine Learning (15 credit points)
PX5510 Statistics and Time Series Analysis (15 credit points)

Stage 3

GL5910 Project in Geophysics (60 credit points)

ENERGY RESOURCES PATHWAY

Stage 1

PD5006 Getting Started at the University of Aberdeen (0 credit points)
GL500A Seismic Reflection Acquisition and Processing (15 credit points)
GL5011 Geophysics and Petrophysics (30 credit points)
GL5059 Near Surface and Environmental Geophysics (15 credit points)

Stage 2

GL5572 Subsurface Storage and Sequestration (15 credit points)
GL5573 Field Geophysical Data Acquisition and Digital Subsurface Mapping (15 credit points)
GL5584 Geoscience for Energy Transition (15 credit points)
PX5509 Machine Learning (15 credit points)

Stage 3

GL5910 Project in Geophysics (60 credit points)

PLEASE SEE OVER →

ENVIRONMENTAL SUSTAINABILITY PATHWAY

Stage 1

PD5006 Getting Started at the University of Aberdeen (0 credit points)
GG5065 Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)
GL5036 Earth Physics, Structure and Processes (15 credit points)
GL5059 Near Surface and Environmental Geophysics (15 credit points)
GL5069 Borehole Geophysics and Petrophysics (15 credit points)

Stage 2

GG5559 UAV Remote Sensing, Monitoring and Mapping (15 credit points)
GL5573 Field Geophysical Data Acquisition and Digital Subsurface Mapping (15 credit points)
PX5509 Machine Learning (15 credit points)
SS5508 Land Remediation (15 credit points)

Stage 3

GL5910 Project in Geophysics (60 credit points)

Assessment: By written examination and course work as prescribed for each course. In addition, MSc candidates must submit a dissertation on their project.