

## HEALTH DATA SCIENCE (MSc/PgDip/PgCert)

57B9ISB1/61B9ISVX/62B9ISVZ

### Full time route

#### First session (Sept – December)

Students must take the following compulsory courses:

PD5006 Getting Started at the University of Aberdeen (0 credit points)  
PU5017 Applied Statistics (15 credits)  
PU5063 Introduction to Health Data Science (15 credits)

Plus two from:

PU5030 Epidemiology (15 credits)  
CS5097 Database systems and big data (15 credits)  
PU5052 Fundamentals of Research Design (15 credits)  
PU5032 Health Economics (15 credits)  
PU5068 Designing Real World Trials

#### Second session (January – March)

Students must take the following compulsory courses:

PU5565 Health Informatics (15 credits)  
PU5567 Machine Learning for Healthcare (15 credits)

Plus two from:

BU5594 Health systems and policy research (15 credits)  
CS5703 Data Science: From Data to Insight (15 credits)  
PU5526 Systematic Reviewing (15 credits)  
PU5548 Work-based placement in Applied Health Sciences (15 credits)  
PU5569 Understanding and applying regression models (15 credits)

#### Third session (April – August)

PU5922 Masters Research Project (60 credits)

OR

PU5923 Extended Work-Based Placement in Applied Health Science (30 credits)  
PU5925 Evaluating Policy Effects in Practice (30 credits)

**PLEASE SEE OVER →**

## **Part Time Route**

During taught courses semester students will take a maximum of 30 credit per semester

### Year 1

#### First session (Sept – December)

Students must take the following compulsory courses:

PD5006 Getting Started at the University of Aberdeen (0 credit points)

Plus at least one from the following (a maximum of two):

PU5017 Applied Statistics (15 credits)

PU5063 Introduction to Health Data Science (15 credits)

Plus up to one from:

PU5030 Epidemiology (15 credits)

CS5097 Database Systems and big data (15 credits)

PU5052 Fundamentals of Research Design (15 credits)

PU5032 Health Economics (15 credits)

#### Second session (January – March)

Plus at least one from the following (a maximum of two):

PU5565 Health Informatics (15 credits)

PU5567 Machine Learning for Healthcare (15 credits)

Plus up to one from:

CS5703 Data Science: From Data to Insight (15 credits)

PU5526 Systematic Reviewing (15 credits)

PU5548 Work-based placement in Applied Health Sciences (15 credits)

PU5559 Understanding and applying regression models (15 credits)

BU5594 Health systems and policy research (15 credits)

#### Third session 1st year (April – July)

If taking a 60 credit project, or a 60 credit work placement,, students do not need to select anything in this semester.

OR

PU5925 Evaluating Policy Effects in Practice (30 credits)

**PLEASE SEE OVER →**

## Year 2

### First session (Sept – December)

Students must complete any of the two compulsory course which they did not take in the first year:

- PU5017 Applied Statistics (15 credits)
- PU5063 Introduction to Health Data Science (15 credits)

Plus up to two from:

- PU5030 Epidemiology (15 credits)
- CS5097 Database Systems and big data (15 credits)
- PU5052 Fundamentals of Research Design (15 credits)
- PU5032 Health Economics (15 credits)

### Second session (January – March)

Students must complete any of the two compulsory course which they did not take in the first year:

- PU5565 Health Informatics (15 credits) (on campus)
- PU5567 Machine Learning for Healthcare (15 credits) (on campus)

Plus up to one from:

- CS5703 Data Science: From Data to Insight (15 credits)
- PU5526 Systematic Reviewing (15 credits)
- PU5548 Work-based placement in Applied Health Sciences (15 credits)
- PU5559 Understanding and applying regression models (15 credits)
- BU5594 Health systems and policy research (15 credits)

### Third session 2<sup>nd</sup> year (April – July)

- PU5922 Masters Research Project (60 credits)

*OR*

- PU5923 Extended Work-Based Placement in Applied Health Science (30 credits)
- PU5925 Evaluating Policy Effects in Practice (30 credits)