# Curriculum BSc Mathematics

## YEAR 1

### Period 1
- Single variable calculus (6EC)
- Fourier analysis (6EC)
- Linear algebra (6EC)
- Probability theory (6EC)
- Linear algebra (6EC)
- Probability theory (6EC)

### Period 2
- Basic concepts in mathematics (6EC)
- Discrete mathematics (6EC)
- Introduction to mathematical modelling (6EC)
- Mathematical analysis (6EC)
- Mathematics of computer science (6EC)
- Mathematics of computer science (6EC)

### Period 3
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)

### Period 4
- Single variable calculus (6EC)
- Fourier analysis (6EC)
- Linear algebra (6EC)
- Probability theory (6EC)
- Linear algebra (6EC)
- Probability theory (6EC)

### Period 5
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)

### Period 6
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)
- Minor Mathematics: Trackspecific constrained choice (4 x 6EC)

## YEAR 2

### Period 1
- Statistics (6EC)
- Numerical methods (6EC)
- Fourier analysis (6EC)
- Stochastic systems (6EC)
- Basic concepts in mathematics (6EC)
- Probability theory (6EC)

### Period 2
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)

### Period 3
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)

### Period 4
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)
- Mathematical modelling of dynamical systems (6EC)

### Period 5
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)
- Mathematical modelling of fluid dynamics (6EC)

### Period 6
- Project Pure Mathematics (incl. Study and Career) (6EC)