

SCHOOL OF MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE

School Website: [www.kent.ac.uk/smsas](http://www.kent.ac.uk/smsas)

Please refer to the online **Module Catalogue** for full details of all modules:  
[www.kent.ac.uk/courses/modules](http://www.kent.ac.uk/courses/modules)

**Note: It is ultimately your responsibility to ensure that you are registered for the correct modules for your programme.**

**Please select a link below to view the Stage 2+ requirements for your programme:**

- [Actuarial Science: BSc](#)
- [Actuarial Science with a Foundation Year: BSc](#)
- [Actuarial Science with a Year in Industry: BSc](#)
- [Financial Mathematics: BSc](#)
- [Financial Mathematics with a Year in Industry: BSc](#)
- [Mathematics: BSc](#)
- [Mathematics with a Foundation Year: BSc](#)
- [Mathematics: MMATH](#)
- [Mathematics with a Year in Industry: BSc](#)
- [Mathematics with a Year in Industry: MMATH](#)
- [Mathematics and Accounting & Finance: BA](#)
- [Mathematics and Accounting & Finance: BSc](#)
- [Mathematics and Accounting & Finance with a Year in Industry: BA](#)
- [Mathematics and Accounting & Finance with a Year in Industry: BSc](#)
- [Mathematics and Statistics: BSc](#)
- [Mathematics and Statistics with a Year in Industry: BSc](#)
- [Mathematics with Secondary Education: BSc](#)

*The information contained herein is correct at the time of publication. Please note, however, that if a module recruits fewer than 8 students it is possible that it will not run. In this event, you will be contacted and asked to select an alternative module. **The University cannot guarantee whether all options will be available, or how they will be delivered, if Government Covid restrictions continue.***

**ACTUARIAL SCIENCE****ACTUARIAL SCIENCE WITH A FOUNDATION YEAR****ACTUARIAL SCIENCE WITH A YEAR IN INDUSTRY**

Single Honours

**STAGE 2 - 120 credits****You must take the following compulsory modules (120 credits)\*:**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MACT5160	Actuarial Mathematics 1	15	Autumn	5	MA516
MACT5270	Corporate Finance for Actuaries	15	Spring	5	MA527
MACT5280	Financial Reports and Their Analysis	15	Spring	5	MA528
MAST5001	Applied Statistical Modelling 1	15	Spring	5	MA5501
MAST5005	Linear Partial Differential Equations	15	Autumn	5	MA5505
MAST5007	Mathematical Statistics	15	Autumn	5	MA5507
MAST5010	Statistics for Insurance	15	Spring	5	MA501
MAST5011	Optimisation with Financial Applications	15	Autumn	5	MA5511

**ACTSCI:BSC****UASC0001X1BS-F****ACTSCI-F-4:BSC****UASC0001F1BS-F****ACTSCI-S:BSC****UASC0001P1BS-F****ACTUARIAL SCIENCE WITH A YEAR IN INDUSTRY**

Single Honours

**STAGE S - 120 credits****You must take the following compulsory modules (120 credits):**

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MAST5801*	Industrial Placement Experience	90	Autumn, Spring & Summer	5	MA5801
MAST5802*	Industrial Placement (Report and Presentation)	30	Autumn, Spring & Summer	5	MA5802

\*This module cannot be compensated, trailed or condoned.

**ACTSCI-S:BSC****UASC0001P1BS-F****ACTUARIAL SCIENCE****ACTUARIAL SCIENCE WITH A FOUNDATION YEAR**

Single Honours

**STAGE 3 - 120 credits****You must take the following compulsory modules (120 credits)\*:**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MACT5250	Survival Analysis	15	Autumn	6	MA525
MACT5330	Actuarial Mathematics 2 ( <i>version 2</i> )	15	Spring	6	MA533
MACT5350	Financial Economics and Assets and Liability Modelling ( <i>version 2</i> )	15	Autumn	6	MA535
MACT5370	Mathematics of Financial Derivatives	15	Spring	6	MA537
MACT5390	Financial Modelling	15	Spring	6	MA539
MACT6013	Actuarial Practice 2	15	Autumn	6	MA6513
MAST6360	Stochastic Processes	15	Autumn	6	MA636
MAST6390	Time Series Modelling and Simulation	15	Spring	6	MA639

**ACTSCI:BSC****UASC0001X1BS-F****ACTSCI-F-4:BSC****UASC0001F1BS-F**

**STAGE 3 - 120 credits – for study in 2021/22 if on the ACTSCI-S:BSc course**

**You must take the following compulsory modules (120 credits)\*:**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MACT5090</a>	Actuarial Practice	30	Autumn & Spring	6	<i>MA509</i>
<a href="#">MACT5250</a>	Survival Models	15	Autumn	6	<i>MA525</i>
<a href="#">MACT5330</a>	Contingencies 2 ( <i>version 1</i> )	15	Spring	6	<i>MA533</i>
<a href="#">MACT5350</a>	Portfolio Theory and Asset Pricing Models ( <i>version 1</i> )	15	Autumn	6	<i>MA535</i>
<a href="#">MACT5370</a>	Mathematics of Financial Derivatives	15	Spring	6	<i>MA537</i>
<a href="#">MACT5390</a>	Financial Modelling	15	Spring	6	<i>MA539</i>
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	<i>MA636</i>

**FINANCIAL MATHEMATICS****FINMATHS:BSC  
UFIM0001X1BS-F  
FINMATHS-S:BSC  
UFIM0001P1BS-F****FINANCIAL MATHEMATICS WITH A YEAR IN INDUSTRY**

Single Honours

**STAGE 2 - 120 credits**

You must take the following compulsory modules (90 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MAST5001	Applied Statistical Modelling 1	15	Spring	5	MA5501
MAST5005	Linear Partial Differential Equations	15	Autumn	5	MA5505
MAST5006	Macroeconomics for Financial Mathematics	15	Autumn	5	MA5506
MAST5007	Mathematical Statistics	15	Autumn	5	MA5507
MAST5009	Numerical Methods	15	Spring	5	MA5509
MAST5011	Optimisation with Financial Applications	15	Autumn	5	MA5511

PLUS 30 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MAST5010	Statistics for Insurance	15	Spring	5	MA501
MAST5012	Ordinary Differential Equations	15	Spring	5	MA5512
MAST5170	Corporate Finance for Financial Mathematics	15	Spring	5	MA517

**FINANCIAL MATHEMATICS WITH A YEAR IN INDUSTRY**

Single Honours

**FINMATHS-S:BSC  
UFIM0001P1BS-F****STAGE S - 120 credits**

You must take the following compulsory modules (120 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
MAST5801*	Industrial Placement Experience	90	Autumn, Spring & Summer	5	MA5801
MAST5802*	Industrial Placement (Report and Presentation)	30	Autumn, Spring & Summer	5	MA5802

\*This module cannot be compensated, trailed or condoned.

**FINANCIAL MATHEMATICS**

Single Honours

**FINMATHS:BSC****UFIM0001X1BS-F****STAGE 3 - 120 credits****You must take the following compulsory modules (75 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MACT5350</a>	Financial Economics and Assets and Liability Modelling ( <i>version 2</i> )	15	Autumn	6	MA535
<a href="#">MAST6029</a>	Statistical Learning	15	Spring	6	MA6529
<a href="#">MAST6034</a>	Derivative Markets	15	Autumn	6	MA6534
<a href="#">MAST6040</a>	Financial Econometrics	15	Spring	6	MA6540
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	MA636

**PLUS 45 credits from the following optional modules:**

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MACT5370</a>	Mathematics of Financial Derivatives	15	Spring	6	MA537
<a href="#">MAST5380</a>	Applied Bayesian Modelling	15	Autumn	6	MA538
<a href="#">MAST5870</a>	Numerical Solution of Differential Equations	15	Autumn	6	MA587
<a href="#">MAST5950</a>	Graphs and Combinatorics	15	Spring	6	MA595
<a href="#">MAST6012</a>	Applied Statistical Modelling 2	15	Spring	6	MA6512
<a href="#">MAST6018</a>	Games and Strategy	15	Spring	6	MA6518
<a href="#">MAST6703†</a>	Communicating Mathematics	15	Autumn	6	MA6503
<a href="#">MAST6704†</a>	Discovering and Communicating Mathematics	30	Autumn & Spring	6	MA6504
<a href="#">MAST7710</a>	Computational Statistics	15	Spring	6	MA771

† Only one of these modules may be taken.

**FINANCIAL MATHEMATICS WITH A YEAR IN INDUSTRY**

Single Honours

**FINMATHS-S:BSC****UFIM0001P1BS-F****STAGE 3 - 120 credits – for study in 2021/22 if on the FINMATHS-S:BSc course****You must take the following compulsory modules (75 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MACT5350</a>	Portfolio Theory and Asset Pricing Models ( <i>version 1</i> )	15	Autumn	6	MA535
<a href="#">MAST6029</a>	Statistical Learning	15	Spring	6	MA6529
<a href="#">MAST6034</a>	Derivative Markets	15	Autumn	6	MA6534
<a href="#">MAST6040</a>	Financial Econometrics	15	Spring	6	MA6540
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	MA636

**PLUS 45 credits from the following optional modules:**

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MACT5370</a>	Mathematics of Financial Derivatives	15	Spring	6	MA537
<a href="#">MAST5380</a>	Applied Bayesian Modelling	15	Autumn	6	MA538
<a href="#">MAST5870</a>	Numerical Solution of Differential Equations	15	Autumn	6	MA587
<a href="#">MAST5950</a>	Graphs and Combinatorics	15	Spring	6	MA595
<a href="#">MAST6012</a>	Applied Statistical Modelling 2	15	Spring	6	MA6512
<a href="#">MAST6018</a>	Games and Strategy	15	Spring	6	MA6518
<a href="#">MAST6703†</a>	Communicating Mathematics	15	Autumn	6	MA6503
<a href="#">MAST6704†</a>	Discovering and Communicating Mathematics	30	Autumn & Spring	6	MA6504
<a href="#">MAST7710</a>	Computational Statistics	15	Spring	6	MA771

† Only one of these modules may be taken.

**MATHEMATICS****MATHS:BSC****MATHEMATICS WITH A FOUNDATION YEAR****UMTH0001X1BS-F****MATHS-F-4:BSC****MATHEMATICS WITH A YEAR IN INDUSTRY****UMTH0001F1BS-F****MATHS-S:BSC****MATHEMATICS** (4 year programme)**UMTH0001P1BS-F****MATHS-4:MMATH****MATHEMATICS WITH A YEAR IN INDUSTRY** (5 year programme)**UMTH0001X1MM-F****MATHS-4-S:MMATH**

Single Honours

**STAGE 2 - 120 credits**

You must take the following compulsory modules (45 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5003</a>	Groups and Symmetries	15	Autumn	5	<i>MA5503</i>
<a href="#">MAST5005</a>	Linear Partial Differential Equations	15	Autumn	5	<i>MA5505</i>
<a href="#">MAST5013</a>	Real Analysis 2	15	Autumn	5	<i>MA5513</i>

PLUS 75 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5001</a>	Applied Statistical Modelling 1	15	Spring	5	<i>MA5501</i>
<a href="#">MAST5002</a>	Curves and Surfaces	15	Spring	5	<i>MA5502</i>
<a href="#">MAST5004</a>	Lagrangian and Hamiltonian Dynamics	15	Spring	5	<i>MA5504</i>
<a href="#">MAST5007</a>	Mathematical Statistics	15	Autumn	5	<i>MA5507</i>
<a href="#">MAST5009</a>	Numerical Methods	15	Spring	5	<i>MA5509</i>
<a href="#">MAST5012</a>	Ordinary Differential Equations	15	Spring	5	<i>MA5512</i>
<a href="#">MAST5014</a>	Rings and Fields	15	Spring	5	<i>MA5514</i>
<a href="#">MAST5660</a>	Number Theory	15	Autumn	5	<i>MA566</i>

**MATHEMATICS WITH A YEAR IN INDUSTRY****MATHS-S:BSC****MATHEMATICS WITH A YEAR IN INDUSTRY** (5 year programme)**UMTH0001P1BS-F****MATHS-4-S:MMATH**

Single Honours

**STAGE S - 120 credits**

You must take the following compulsory modules (120 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5801*</a>	Industrial Placement Experience	90	Autumn, Spring & Summer	5	<i>MA5801</i>
<a href="#">MAST5802*</a>	Industrial Placement (Report and Presentation)	30	Autumn, Spring & Summer	5	<i>MA5802</i>

\*This module cannot be compensated, trailed or condoned.

**MATHEMATICS****MATHEMATICS WITH A FOUNDATION YEAR****MATHEMATICS WITH A YEAR IN INDUSTRY****MATHEMATICS** (4 year programme)**MATHEMATICS WITH A YEAR IN INDUSTRY** (5 year programme)  
Single Honours

**MATHS:BSC**  
**UMTH0001X1BS-F**  
**MATHS-F-4:BSC**  
**UMTH0001F1BS-F**  
**MATHS-S:BSC**  
**UMTH0001P1BS-F**  
**MATHS-4:MMATH**  
**UMTH0001X1MM-F**  
**MATHS-4-S:MMATH**

**STAGE 3 - 120 credits**

Across Stages 3 & 4 you may select up to 60 credits in total from the optional statistics modules:

Those available in Stage 3 are:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5380</a>	Applied Bayesian Modelling	15	Autumn	6	MA538
<a href="#">MAST6012</a>	Applied Statistical Modelling 2	15	Spring	6	MA6512
<a href="#">MAST6028</a>	Principles of Data Collection	15	Autumn	6	MA6528
<a href="#">MAST6029</a>	Statistical Learning	15	Spring	6	MA6529
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	MA636
<a href="#">MAST6390</a>	Time Series Modelling and Simulation	15	Spring	6	MA639
<a href="#">MAST7710</a>	Computational Statistics	15	Spring	6	MA771

The remaining credits should be chosen from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5004</a>	Lagrangian and Hamilton Dynamics	15	Spring	5	MA5504
<a href="#">MAST5670</a>	Topology	15	Autumn	6	MA567
<a href="#">MAST5680</a>	Orthogonal Polynomials and Special Functions	15	Spring	6	MA568
<a href="#">MAST5740</a>	Polynomials in Several Variables	15	Autumn	6	MA574
<a href="#">MAST5870</a>	Numerical Solution of Differential Equations	15	Autumn	6	MA587
<a href="#">MAST5950</a>	Graphs and Combinatorics	15	Spring	6	MA595
<a href="#">MAST6002</a>	Linear and Nonlinear Waves	15	Autumn	6	MA691
<a href="#">MAST6017</a>	Functions of a Complex Variable	15	Autumn	6	MA6517
<a href="#">MAST6018</a>	Games and Strategy	15	Spring	6	MA6518
<a href="#">MAST6024</a>	Metric and Normed Spaces	15	Spring	6	MA6524
<a href="#">MAST6091</a>	Mathematics in the World of Finance	15	Autumn	6	MA6591
<a href="#">MAST6703†</a>	Communicating Mathematics	15	Autumn	6	MA6503
<a href="#">MAST6704†*</a>	Discovering and Communicating Mathematics	30	Autumn & Spring	6	MA6504

† Only one of these modules may be taken.

\*Available to only the BSC courses (Not to MMATH)

**MATHEMATICS** (4 year programme)

**MATHS-4:MMATH**  
**UMTH0001X1MM-F**  
**MATHS-4-S:MMATH**

**MATHEMATICS WITH A YEAR IN INDUSTRY** (5 year programme)  
Single Honours

**STAGE 4 - 120 credits**

You must take the following compulsory module (45 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST7020</a>	Dissertation for MMath Mathematics	45	Autumn & Spring	7	<i>MA702</i>

**PLUS**, across Stages 3 and 4 you may select up to 60 credits in total from the optional statistics modules:  
Those available in Stage 4 are:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	Office Use Only
<a href="#">MAST7012</a>	Applied Statistical Modelling (Professional Skills for Statisticians)	15	Spring	7	<i>MA7512</i>
<a href="#">MAST7029</a>	Statistical Learning	15	Spring	7	<i>MA7529</i>
<a href="#">MAST8580</a>	Computational Statistics	15	Spring	7	<i>MA858</i>
<a href="#">MAST8830</a>	Bayesian Statistics	15	Autumn	7	<i>MA883</i>
<a href="#">MAST8840</a>	Principles of Data Collection	15	Autumn	7	<i>MA884</i>

The remaining credits should be chosen from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST7002</a>	Linear and Nonlinear Waves	15	Autumn	7	<i>MA791</i>
<a href="#">MAST7024</a>	Metric and Normed Spaces	15	Spring	7	<i>MA7524</i>
<a href="#">MAST7026</a>	Orthogonal Polynomials and Special Functions	15	Spring	7	<i>MA7526</i>
<a href="#">MAST7027</a>	Polynomials in Several Variables	15	Autumn	7	<i>MA7527</i>
<a href="#">MAST7032</a>	Topology	15	Autumn	7	<i>MA7532</i>
<a href="#">MAST7703‡</a>	Communicating Mathematics	15	Autumn	7	<i>MA7503</i>
<a href="#">MAST9640</a>	Applied Algebraic Topology	15	Spring	7	<i>MA964</i>
<a href="#">MAST9950</a>	Graphs and Combinatorics	15	Spring	7	<i>MA995</i>

‡ This module **must** be taken in Stage 4 if MA6503 not taken in Stage 3



**MATHEMATICS AND ACCOUNTING & FINANCE**

**MATHS-ACCF:BA**

**MATHEMATICS AND ACCOUNTING & FINANCE**

**UMTHACF2X1BA-F**

**MATHS-ACCF:BSC**

**UMTHACF2X1BS-F**

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

**MATHS-ACCF-S:BA**

**UMTHACF2P1BA-F**

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS-ACCF-S:BSC**

**UMTHACF2P1BS-F**

**STAGE 2 - 120 credits**

**You must take the following compulsory modules (60 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">ACCT5230</a>	Principles of Finance	30	Autumn & Spring	5	<i>AC523</i>
<a href="#">MAST5005</a>	Linear Partial Differential Equations	15	Autumn	5	<i>MA5505</i>
<a href="#">MAST5006</a>	Macroeconomics for Financial Mathematicians	15	Autumn	5	<i>MA5506</i>

**PLUS 60 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5001</a>	Applied Statistical Modelling 1	15	Spring	5	<i>MA5501</i>
<a href="#">MAST5007</a>	Mathematical Statistics	15	Autumn	5	<i>MA5507</i>
<a href="#">MAST5009</a>	Numerical Methods	15	Spring	5	<i>MA5509</i>
<a href="#">MAST5010</a>	Statistics for Insurance	15	Spring	5	<i>MA501</i>
<a href="#">MAST5011</a>	Optimisations with Financial Applications	15	Autumn	5	<i>MA5511</i>
<a href="#">MAST5012</a>	Ordinary Differential Equations	15	Spring	5	<i>MA5512</i>
<a href="#">MAST5660</a>	Number Theory	15	Autumn	5	<i>MA566</i>

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

**MATHS-ACCF-S:BA**

**UMTHACF2P1BA-F**

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS-ACCF-S:BSC**

**UMTHACF2P1BS-F**

**STAGE S - 120 credits**

**You must take the following compulsory modules (120 credits):**

<b>Compulsory module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5801*</a>	Industrial Placement Experience	90	Autumn, Spring & Summer	5	<i>MA5801</i>
<a href="#">MAST5802*</a>	Industrial Placement (Report and Presentation)	30	Autumn, Spring & Summer	5	<i>MA5802</i>

\*This module cannot be compensated, trailed or condoned.

**MATHEMATICS AND ACCOUNTING & FINANCE**

**MATHS-ACCF:BA**

**MATHEMATICS AND ACCOUNTING & FINANCE**

**UMTHACF2X1BA-F**

**MATHS-ACCF:BSC**

**UMTHACF2X1BS-F**

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

**MATHS-ACCF-S:BA**

**UMTHACF2P1BA-F**

**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS-ACCF-S:BSC**

**UMTHACF2P1BS-F**

**STAGE 3 - 120 credits**

**You must take the following compulsory module (30 credits):**

<b>Compulsory module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">ACCT5240</a>	Financial Accounting II	30	Autumn & Spring	5	<i>AC524</i>

**PLUS 30 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">ACCT5020</a>	Business Finance	30	Autumn & Spring	6	<i>AC502</i>
<a href="#">ACCT5040</a>	Auditing	30	Autumn & Spring	6	<i>AC504</i>
<a href="#">BUSN5130</a>	Taxation	30	Autumn & Spring	6	<i>CB513</i>
<a href="#">BUSN6110</a>	Futures and Options Markets	30	Autumn & Spring	6	<i>CB611</i>

**The remaining 60 credits should be taken from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5380</a>	Applied Bayesian Modelling	15	Autumn	6	<i>MA538</i>
<a href="#">MAST5870</a>	Numerical Solution of Differential Equations	15	Autumn	6	<i>MA587</i>
<a href="#">MAST5950</a>	Graphs and Combinatorics	15	Spring	6	<i>MA595</i>
<a href="#">MAST6002</a>	Linear and Nonlinear Waves	15	Autumn	6	<i>MA691</i>
<a href="#">MAST6018</a>	Games and Strategy	15	Spring	6	<i>MA6518</i>
<a href="#">MAST6028</a>	Principles of data collection	15	Autumn	6	<i>MA6528</i>
<a href="#">MAST6029</a>	Statistical Learning	15	Spring	6	<i>MA6529</i>
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	<i>MA636</i>
<a href="#">MAST6390</a>	Time Series Modelling and Simulation	15	Spring	6	<i>MA639</i>
<a href="#">MAST6703</a>	Communicating Mathematics	15	Autumn	6	<i>MA6503</i>
<a href="#">MAST7710</a>	Computational Statistics	15	Spring	6	<i>MA771</i>

**MATHEMATICS AND STATISTICS****MATHS-STATS:BSC  
UMAS0001X1BS-F  
MATHS-STATS-S:BSC  
UMAS0001P1BS-F****MATHEMATICS AND STATISTICS WITH A YEAR IN INDUSTRY**

Single Honours

STAGE 2 - 120 credits

You must take the following compulsory modules (75 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5001</a>	Applied Statistical Modelling 1	15	Spring	5	MA5501
<a href="#">MAST5003</a>	Groups and Symmetries	15	Autumn	5	MA5503
<a href="#">MAST5005</a>	Linear Partial Differential Equations	15	Autumn	5	MA5505
<a href="#">MAST5007</a>	Mathematical Statistics	15	Autumn	5	MA5507
<a href="#">MAST5013</a>	Real Analysis 2	15	Autumn	5	MA5513

PLUS 45 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5002</a>	Curves and Surfaces	15	Spring	5	MA5502
<a href="#">MAST5004</a>	Lagrangian and Hamiltonian Dynamics	15	Spring	5	MA5504
<a href="#">MAST5010</a>	Statistics for Insurance	15	Spring	5	MA5010
<a href="#">MAST5012</a>	Ordinary Differential Equations	15	Spring	5	MA5512
<a href="#">MAST5014</a>	Rings and Fields	15	Spring	5	MA5514

**MATHEMATICS AND STATISTICS WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS-STATS-S:BSC  
UMAS0001P1BS-F**

STAGE S - 120 credits

You must take the following compulsory modules (120 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OMR CODE
<a href="#">MAST5801*</a>	Industrial Placement Experience	90	Autumn, Spring & Summer	5	MA5801
<a href="#">MAST5802*</a>	Industrial Placement (Report and Presentation)	30	Autumn, Spring & Summer	5	MA5802

\*This module cannot be compensated, trailed or condoned.

**MATHEMATICS AND STATISTICS****MATHEMATICS AND STATISTICS WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS-STATS:BSC****UMAS0001X1BS-F****MATHS-STATS-S:BSC****UMAS0001P1BS-F****STAGE 3 - 120 credits****You must take the following compulsory modules (30 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST6012</a>	Applied Statistical Modelling 2	15	Spring	6	<i>MA6512</i>
<a href="#">MAST6028</a>	Principles of Data Collection	15	Autumn	6	<i>MA6528</i>

**PLUS at least 30 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5380</a>	Applied Bayesian Modelling	15	Autumn	6	<i>MA538</i>
<a href="#">MAST6029</a>	Statistical Learning	15	Spring	6	<i>MA6529</i>
<a href="#">MAST6360</a>	Stochastic Processes	15	Autumn	6	<i>MA636</i>
<a href="#">MAST6390</a>	Time Series Modelling and Simulation	15	Spring	6	<i>MA639</i>
<a href="#">MAST7710</a>	Computational Statistics	15	Spring	6	<i>MA771</i>

**The remaining credits should be taken from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5670</a>	Topology	15	Autumn	6	<i>MA567</i>
<a href="#">MAST5680</a>	Orthogonal Polynomials and Special Functions	15	Spring	6	<i>MA568</i>
<a href="#">MAST5740</a>	Polynomials in Several Variables	15	Autumn	6	<i>MA574</i>
<a href="#">MAST5950</a>	Graphs and Combinatorics	15	Spring	6	<i>MA595</i>
<a href="#">MAST6002</a>	Linear and Nonlinear Waves	15	Autumn	6	<i>MA691</i>
<a href="#">MAST6017</a>	Functions of a Complex Variable	15	Autumn	6	<i>MA6517</i>
<a href="#">MAST6018</a>	Games and Strategy	15	Spring	6	<i>MA6518</i>
<a href="#">MAST6091</a>	Mathematics in the World of Finance	15	Autumn	6	<i>MA6591</i>
<a href="#">MAST6703†</a>	Communicating Mathematics	15	Autumn	6	<i>MA6503</i>
<a href="#">MAST6704†</a>	Discovering and Communicating Mathematics	30	Autumn & Spring	6	<i>MA6504</i>

† Only one of these modules may be taken.

**MATHEMATICS WITH SECONDARY EDUCATION**

Single Honours

**MATHS-EDU:BSC****UMTS0001X1BS-F****STAGE 2 - 120 credits****You must take the following compulsory modules (60 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAED1000</a>	School Practice	30	Autumn & Spring	5	<i>MAE100</i>
<a href="#">MAST5001</a>	Applied Statistical Modelling 1	15	Spring	5	<i>MA5501</i>
<a href="#">MAST5003</a>	Groups and Symmetries	15	Autumn	5	<i>MA5503</i>

**PLUS 60 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAST5004</a>	Lagrangian and Hamiltonian Dynamics	15	Spring	5	<i>MA5504</i>
<a href="#">MAST5005</a>	Linear Partial Differential Equations	15	Autumn	5	<i>MA5505</i>
<a href="#">MAST5007</a>	Mathematical Statistics	15	Autumn	5	<i>MA5507</i>
<a href="#">MAST5009</a>	Numerical Methods	15	Spring	5	<i>MA5509</i>
<a href="#">MAST5012</a>	Ordinary Differential Equations	15	Spring	5	<i>MA5512</i>
<a href="#">MAST5014</a>	Rings and Fields	15	Spring	5	<i>MA5514</i>
<a href="#">MAST5660</a>	Number Theory	15	Autumn	5	<i>MA566</i>

**MATHEMATICS WITH SECONDARY EDUCATION**

Single Honours

**MATHS-EDU:BSC****UMTS0001X1BS-F****STAGE 3 - 120 credits****You must take the following compulsory modules (120 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OMR CODE</b>
<a href="#">MAED1010</a>	Curriculum Studies: Mathematics	40	Year Long	6	<i>MAE101</i>
<a href="#">MAED1020</a>	Professional Placement 1	10	Autumn & Spring	6	<i>MAE102</i>
<a href="#">MAED1030</a>	Professional Placement 2	20	Autumn	6	<i>MAE103</i>
<a href="#">MAED1040</a>	Professional Studies	20	Year Long	6	<i>MAE104</i>
<a href="#">MAST6010</a>	Individual Project in Mathematics	30	Autumn & Spring	6	<i>MA601</i>