DIVISION OF COMPUTING, ENGINEERING AND MATHEMATICAL SCIENCES

School of Computing

School Website: www.cs.kent.ac.uk

Please refer to the online Module Catalogue for full details of all modules:
www.kent.ac.uk/courses/modules

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

Please select a link below to view the requirements for your course:

- Advanced Computer Science
- Advanced Computer Science with an Industrial Placement
- Advanced Computer Science with International Integrated Masters
- Advanced Computer Science – Epitech Students
- Artificial Intelligence
- Artificial Intelligence with an Industrial Placement
- Artificial Intelligence with International Integrated Masters
- Artificial Intelligence - Epitech Students
- Computer Science
- Computer Science with an Industrial Placement
- Computer Science with International Integrated Masters
- Computer Science (Artificial Intelligence)
- Computer Science (Artificial Intelligence) with an Industrial Placement
- Computer Science (Artificial Intelligence) with International Integrated Masters
- Computer Science (Cyber Security)
- Computer Science (Cyber Security) with an Industrial Placement
- Computer Science (Cyber Security) with International Integrated Masters
- Cyber Security
- Cyber Security with an Industrial Placement
- Cyber Security- Epitech Students

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.

INDUSTRIAL PLACEMENTS

Students can opt to undertake an industrial placement as part of their MSc course. Courses with an industrial placement are only available on a full-time basis. Placements normally commence after the project has been completed (September) and typically last between 12 and 50 weeks, extending the MSc course up to 24 months. The timing and duration varies depend on the employer.

This is a two stage program. Students need to pass the taught component (Stage 1) in order to proceed to the project component (Stage 2). Stage 2 includes the placement for students who have secured an industrial placement. Commencement of the placement is conditional on satisfactory progress in the taught component, as determined at the interim examination board in June. A student with resits amounting to more than 30 credits will normally be required to retrieve the credit before beginning a placement.

The Industrial Placement Co-ordinators (email placements@kent.ac.uk) will support you in finding a suitable placement but the search effort is primarily down to you. To help with this there will be employer presentations and specific skills talks.

The University does not guarantee every student will find a placement. Students who have not secured a placement by 31st July of the year in which the placement is due to commence will be transferred to the corresponding MSc course without a placement.

Additional modules used for courses with an industrial placement are as follows:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP9020	Industrial Placement Report	15	Autumn & Spring	7
COMP9180	Industrial Placement Experience (12 Months)	105	Year Long	7

The Industrial Placement modules cannot be compensated, condoned or repeated. However, the examination board may permit resubmission of an Industrial Placement Report if the failure was due to shortcomings in the report itself rather than in the work undertaken during the placement.

Any student who fails either of the placement modules (with the above exception) will be transferred to the corresponding MSc course without an Industrial Placement.

EPITECH STUDENTS

Epitech students may only register for the following courses:

- MSc Advanced Computer Science
- MSc Artificial Intelligence
- MSc Cyber Security
- MSc Networks and Security

Some adjustments apply to students from Epitech who are attending an MSc course at Kent under the partnership arrangement between the two institutions. Epitech students should therefore view their own version of the requirements in this document when considering their module choices. Details of these adjustments are as follows:

Epitech students who have previously studied Java as part of their course at Epitech do not take modules from either of the programming streams (COMP8710/8810/8820). They must select an additional 15-credit option for the Autumn term instead.

Epitech students who have not previously studied Java may select the advanced programming stream (COMP8710) if they wish to learn Java. However, please be aware you will have encountered many of the concepts it covers in your courses at Epitech.

KENT GRADUATES

Students who undertook a previous degree at Kent are not permitted to repeat any module from their earlier course as part of these postgraduate courses. If you have taken a compulsory module before then please contact the course director for advice. Typically, when this situation arises a suitable alternative module will be substituted.

ADVANCED COMPUTER SCIENCE **PADC0001X3MS-F**
ADVANCED COMPUTER SCIENCE WITH AN INDUSTRIAL PLACEMENT **PADC0001P3MS-F**
ADVANCED COMPUTER SCIENCE WITH INTERNATIONAL INTEGRATED MASTERS
PADC0001X9MS-F / PADC0001Z9MS-F

STAGE 1 – 125 credits – 60 credits per term

You must take EITHER COMP8710 OR both COMP8810 AND COMP8820 depending on your prior experience of programming (15-30 credits):

COMP8710 is compulsory for students with substantial prior experience of programming.
COMP8810 & COMP8820 are compulsory for students with limited or no prior experience of programming.

Compulsory module(s):	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8710	Advanced Java for Programmers	15	Autumn	7
OR				
COMP8810	Object-Oriented Programming	15	Autumn	7
COMP8820	Advanced Object-Oriented Programming	15	Autumn	7

PLUS 30 - 45 Autumn term credits and 60 Spring term credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5450	Functional Programming	15	Spring	5
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160	eHealth	15	Autumn	7
COMP8220	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8240	Privacy	15	Autumn	7
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8260	AI Systems Implementation	15	Spring	7
COMP8270	Programming for Artificial Intelligence	15	Autumn	7
COMP8320	Data Mining and Knowledge Discovery	15	Spring	7
COMP8340	Information Security Management	15	Spring	7
COMP8362	Machine Learning Algorithms	15	Autumn	7
COMP8370	Natural Computation	15	Autumn	7
COMP8380	Internet of Things and Mobile Devices	15	Spring	7
COMP8410	Cyber Law	15	Autumn	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8685	Deep Learning	15	Spring	7
COMP8740	Networks and Network Security	15	Autumn	7
COMP8760	Computer Security	15	Autumn	7
COMP8920	Advanced Network Security	15	Spring	7
COMP8990	Advanced Topics in Cyber Security	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

*This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800 *	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

ADVANCED COMPUTER SCIENCE – EPITECH STUDENTS PADC0001S2MS-F

STAGE 1 – 125 credits – 60 credits per term

You must take 60 Autumn term credits and 60 Spring term credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5450	Functional Programming	15	Spring	5
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160	eHealth	15	Autumn	7
COMP8220	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8240	Privacy	15	Autumn	7
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8260	AI Systems Implementation	15	Spring	7
COMP8270 †	Programming for Artificial Intelligence	15	Autumn	7
COMP8320	Data Mining and Knowledge Discovery	15	Spring	7
COMP8340	Information Security Management	15	Spring	7
COMP8362	Machine Learning Algorithms	15	Autumn	7
COMP8370	Natural Computation	15	Autumn	7
COMP8380	Internet of Things and Mobile Devices	15	Spring	7
COMP8410	Cyber Law	15	Autumn	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8685	Deep Learning	15	Spring	7
COMP8710 †	Advanced Java for Programmers	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7
COMP8760	Computer Security	15	Autumn	7
COMP8920	Advanced Network Security	15	Spring	7
COMP8990	Advanced Topics in Cyber Security	15	Spring	7

† Intended for those students who have not previously studied Java (COMP8710) or Python (COMP8270). Please be aware that many of the concepts will have been covered by the courses at Epitech.

PLUS the following non-contributory compulsory modules:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

*This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800*	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

ARTIFICIAL INTELLIGENCE **PARI0001X2MS-F**
ARTIFICIAL INTELLIGENCE WITH AN INDUSTRIAL PLACEMENT **PARI0001P2MS-F**
ARTIFICIAL INTELLIGENCE WITH INTERNATIONAL INTEGRATED MASTERS
PARI0001X9MS-F / PARI0001Z9MS-F

STAGE 1 – 125 credits – 60 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8260	AI Systems Implementation	15	Spring	7
COMP8270	Programming for Artificial Intelligence	15	Autumn	7
COMP8320 ‡	Data Mining and Knowledge Discovery	15	Spring	7
COMP8362 ‡	Machine Learning Algorithms	15	Autumn	7
COMP8370 ‡	Natural Computation	15	Autumn	7
COMP8685	Deep Learning	15	Spring	7

‡ At least 30 credits of these modules must be passed without compensation or condonement.

PLUS 15 Autumn credits and 15 Spring credits from the optional modules below:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5450	Functional Programming	15	Spring	5
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8230	Introduction to Digital Forensics	15	Spring	7
COMP8240	Privacy	15	Autumn	7
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8340	Information Security Management	15	Spring	7
COMP8380	Internet of Things and Mobile Devices	15	Spring	7
COMP8410	Cyber Law	15	Autumn	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8740	Networks and Network Security	15	Autumn	7
COMP8760	Computer Security	15	Autumn	7
COMP8920	Advanced Network Security	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing –Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800 *	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

ARTIFICIAL INTELLIGENCE – EPITECH STUDENTS PARI0001S2MS-F

STAGE 1 – 125 credits – 60 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8260	AI Systems Implementation	15	Spring	7
COMP8320 ‡	Data Mining and Knowledge Discovery	15	Spring	7
COMP8362 ‡	Machine Learning Algorithms	15	Autumn	7
COMP8370 ‡	Natural Computation	15	Autumn	7
COMP8685	Deep Learning	15	Spring	7

‡ At least 30 credits of these modules must be passed without compensation or condonement.

PLUS 30 Autumn term credits and 15 Spring term credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSC.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5450	Functional Programming	15	Spring	5
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8230	Introduction to Digital Forensics	15	Spring	7
COMP8240	Privacy	15	Autumn	7
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8270 †	Programming for Artificial Intelligence	15	Autumn	7
COMP8340	Information Security Management	15	Spring	7
COMP8380	Internet of Things and Mobile Devices	15	Spring	7
COMP8410	Cyber Law	15	Autumn	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8710 †	Advanced Java for Programmers	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7
COMP8760	Computer Security	15	Autumn	7
COMP8920	Advanced Network Security	15	Spring	7
COMP8990	Advanced Topics in Cyber Security	15	Spring	7

† Intended for those students who have not previously studied Java. (COMP8710) or Python (COMP8270). Please be aware that many of the concepts will have been covered by the courses at Epitech.

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800*	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

COMPUTER SCIENCE **PCSC0001X3MS-F**
COMPUTER SCIENCE WITH AN INDUSTRIAL PLACEMENT **PCSC0001P3MS-F**
COMPUTER SCIENCE WITH INTERNATIONAL INTEGRATED MASTERS
PCSC0001X9MS-F / PCSC0001X8MS-F / PCSC0001Z9MS-F

STAGE 1 – 125 credits – 60 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8830	Systems Architecture	15	Autumn	7
COMP8840	Algorithms and Logic	15	Spring	7
COMP8860	Software Engineering	15	Spring	7
COMP8870	Web-Based Information Systems Development	15	Spring	7

You must take EITHER COMP8710 OR both COMP8810 AND COMP8820 depending on your prior experience of programming (15-30 credits):

COMP8710 is for students with substantial prior experience of programming.
COMP8810 & COMP8820 are for students with limited or no prior experience of programming.

Compulsory module(s):	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8710	Advanced Java for Programmers	15	Autumn	7
OR				
COMP8810	Object-Oriented Programming	15	Autumn	7
COMP8820	Advanced Object-Oriented Programming	15	Autumn	7

If you take COMP8810 and COMP8820, you must take 15 credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5820	Computer Interaction and User Experience	15	Autumn	5
COMP8362	Machine Learning Algorithms	15	Autumn	7
COMP8370	Natural Computation	15	Autumn	7
COMP8410	Cyber Law	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7

If you take COMP8710 you must take 30 credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5820	Computer Interaction and User Experience	15	Autumn	5
COMP8160	eHealth	15	Autumn	7
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8362	Machine Learning Algorithms	15	Autumn	7
COMP8370	Natural Computation	15	Autumn	7
COMP8410	Cyber Law	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7

The remaining 15 credits can be taken from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6

COMP8320	Data Mining and Knowledge Discovery	15	Spring	7
COMP8340	Information Security Management	15	Spring	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8685	Deep Learning	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800*	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) PCAI0001X2MS-F
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH AN INDUSTRIAL PLACEMENT PCAI0001P2MS-F
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH INTERNATIONAL INTEGRATED MASTERS PCAI0001X9MS-F / PCAI0001Z9MS-F

STAGE 1 – 125 credits – 60 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8260	AI Systems Implementation	15	Spring	7
COMP8270	Programming for Artificial Intelligence	15	Autumn	7
COMP8320	Data Mining and Knowledge Discovery	15	Spring	7
COMP8370	Natural Computation	15	Autumn	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8830	Systems Architecture	15	Autumn	7

If you have NOT studied programming before, you must take COMP8810 as a compulsory module:
COMP8810 is for students with limited or no prior experience of programming, students should contact the Director of Studies or cemsugandpgt@kent.ac.uk if they are unsure whether they need to take this module.

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8810	Object-Oriented Programming	15	Autumn	7

If you DO NOT need to take COMP8810, you must take 15 credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5820	Computer Interaction and User Experience	15	Autumn	5
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8362	Machine Learning Algorithms	15	Autumn	7

The remaining 15 credits can be taken from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6590	Computational Creativity	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8685	Deep Learning	15	Spring	7
COMP8840	Algorithms and Logic	15	Spring	7
COMP8860	Software Engineering	15	Spring	7
COMP8870	Web-Based Information Systems Development	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800*	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

COMPUTER SCIENCE (CYBER SECURITY) PCYB0001X4MS-F
COMPUTER SCIENCE (CYBER SECURITY) WITH AN INDUSTRIAL PLACEMENT PCYB0001P4MS-F
COMPUTER SCIENCE (CYBER SECURITY) WITH INTERNATIONAL INTEGRATED MASTERS PCYB0001X9MS-F / PCYB0001Z9MS-F

STAGE 1 – 125 credits – 60 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8230	Introduction to Digital Forensics	15	Spring	7
COMP8340	Information Security Management	15	Spring	7
COMP8830	Systems Architecture	15	Autumn	7

You must take EITHER COMP8710 OR both COMP8810 AND COMP8820 depending on your prior experience of programming (15-30 credits):

COMP8710 is for students with substantial prior experience of programming.
COMP8810 & COMP8820 are for students with limited or no prior experience of programming.

Compulsory module(s):	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8710	Advanced Java for Programmers	15	Autumn	7
OR				
COMP8810	Object-Oriented Programming	15	Autumn	7
COMP8820	Advanced Object-Oriented Programming	15	Autumn	7

If you take COMP8810 and COMP8820, you must take 15 credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during the MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8410	Cyber Law	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7
SOCI7600	Technology, Control and Cyber Crime	15	Autumn	6

If you take COMP8710, you must take 30 credits from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5820	Computer Interaction and User Experience	15	Autumn	5
COMP8250	Introduction to Artificial Intelligence	15	Autumn	7
COMP8410	Cyber Law	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7
SOCI7600	Technology, Control and Cyber Crime	15	Autumn	6

The remaining 30 credits can be taken from the following optional modules:

Students may not choose more than 30 credits of Level 5 or 6 modules in total during their MSc.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6690	Cognitive Robotics	15	Spring	6
COMP8320	Data Mining and Knowledge Discovery	15	Spring	7
COMP8380	Internet of Things and Mobile Devices	15	Spring	7
COMP8481	Solving Problems with Data and Text	15	Spring	7
COMP8840	Algorithms and Logic	15	Spring	7
COMP8860	Software Engineering	15	Spring	7
COMP8870	Web-Based Information Systems Development	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800*	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned

CYBER SECURITY **PCYB0001X3MS-F**
CYBER SECURITY WITH AN INDUSTRIAL PLACEMENT **PCYB0001P3MS-F**
CYBER SECURITY (EPITECH VERSION) **PCYB0001S3MS-F**

STAGE 1 – 125 credits – 60 credits per term

You must take the following compulsory modules (105 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8240	Privacy	15	Autumn	7
COMP8340	Information Security Management	15	Spring	7
COMP8410	Cyber Law	15	Autumn	7
COMP8740	Networks and Network Security	15	Autumn	7
COMP8760	Computer Security	15	Autumn	7
COMP8920	Advanced Network Security	15	Spring	7
COMP8990	Advanced Topics in Cyber Security	15	Spring	7

The remaining 15 credits can be taken from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8220	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8230	Introduction to Digital Forensics	15	Spring	7

PLUS the following non-contributory compulsory modules:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8805 *	Project Methods	5	Spring	7
WCOMP104	PGT Additional Content	0	Autumn & Spring	W

* This module cannot be trailed or condoned.

All students can also take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP004	Computing Industrial Practice - Masters	0	Autumn & Spring	W

STAGE 2 – 60 credits

You must take the following compulsory module (60 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP8800 *	Project and Dissertation	60	Year-long	7

*Module cannot be compensated or condoned