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 Stage 2+ requirements for your course:

- Business Information Technology
- Business Information Technology with a Year in Industry
- Computer Science
- Computer Science with a Year in Industry
- Artificial Intelligence
- Artificial intelligence with a Year in Industry
- Computer Science (Artificial Intelligence)
- Computer Science (Artificial Intelligence) with a Year in Industry
- Computer Science (Cyber Security)
- Computer Science (Cyber Security) with a Year in Industry
- Computer Science (Networks)
- Computer Science (Networks) with a Year in Industry
- Computer Science for Health
- Computer Science for Health with a Year in Industry
- Computing
- Computing with a Year in Industry
- Software Engineering
- Software Engineering with a Year in Industry

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.

BUSINESS INFORMATION TECHNOLOGY   UBIT0001X2BS-F
BUSINESS-INFO:BSC
BUSINESS INFORMATION TECHNOLOGY WITH A YEAR IN INDUSTRY
BUSINESS-INFO-S:BSC   UBIT0001P2BS-F

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
BUSN6770	Financial Management for Decision Making and Control	15	Spring	5
BUSN7500	Project Management	15	Spring	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5390	Web Development	15	Autumn	5
COMP5570	Computer Systems	15	Autumn	5
COMP5590	Software Development	15	Spring	5

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice - Stage 2	0	Autumn & Spring	5

BUSINESS INFORMATION TECHNOLOGY WITH A YEAR IN INDUSTRY   UBIT0001P2BS-F
BUSINESS-INFO-S:BSC

Single Honours

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

BUSINESS INFORMATION TECHNOLOGY   UBIT0001X2BS-F
BUSINESS-INFO:BSC
BUSINESS INFORMATION TECHNOLOGY WITH A YEAR IN INDUSTRY   UBIT0001P2BS-F
BUSINESS-INFO-S:BSC

Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6

*Module cannot be compensated or condoned.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

PLUS at least 30 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6100	Video Games Development	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6590 §	Computational Creativity	15	Spring	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP8160▲	eHealth	15	Autumn	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7

‡ Acceptance on this module is subject to interview.
§ You must demonstrate the relevant level of programming skills to the convenor before selecting COMP6590.
▲COMP8160 and COMP8320 have a pass mark of 50%

PLUS at least 30 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN5013	Human Resource Management	15	Autumn	5
BUSN5200	Service Management	15	Spring	6
BUSN6130	Entrepreneurship	15	Spring	6
BUSN6780	Contemporary Management Challenges	15	Spring	6
BUSN7330	Business Ethics and Sustainable Management	15	Autumn	5
BUSN7440	Creativity & Innovation in Organisations	15	Autumn	5
BUSN7510	Psychology of the Contemporary Workplace	15	Spring	6
BUSN7860	Operations Management	15	Autumn	5
BUSN7880	Technology-Driven Business Innovation	15	Autumn	6

The remaining 30 credits can be taken from any of the optional modules above.

COMPUTER SCIENCE
COMPSCI:BSC
COMPUTER SCIENCE WITH A YEAR IN INDUSTRY
COMPSCI-S:BSC

UCSC0001X1BS-F

UCSC0001P1BS-F

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5450	Functional Programming	15	Spring	5
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

PLUS ONE of the following optional modules (15 credits):

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5190	Theory of Computing	15	Autumn	5
COMP5390	Web Development	15	Autumn	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice – Stage 2	0	Autumn & Spring	5

COMPUTER SCIENCE WITH A YEAR IN INDUSTRY
COMPSCI-S:BSC

UCSC0001P1BS-F

Single Honours

STAGE S – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned.

COMPUTER SCIENCE
COMPSCI:BSC
COMPUTER SCIENCE WITH A YEAR IN INDUSTRY
COMPSCI-S:BSC

UCSC0001X1BS-F

UCSC0001P1BS-F

Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

*Module cannot be compensated or condoned.
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

The remaining 90 credits should be taken from the optional modules below:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
COMP6100	Video Games Development	15	Autumn	6
COMP6330	Computer Networks and Communications	15	Spring	6
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6370*	Natural Computation	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6442	Semantic Technologies and Graph Analytics	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560*	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6580	Programming Language Implementation	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6610	Theory and Practice of Concurrency	15	Autumn	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6630	Programming Languages: Applications and Design	15	Autumn	6
COMP6644	Information Security Management	15	Spring	6
COMP6685 +	Deep Learning	15	Spring	6

COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8220▲	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
EENG5610	Image Analysis & Applications	15	Spring	5
EENG6670	Embedded Computer Systems	15	Autumn & Spring	6
PHIL5830	Philosophy of Cognitive Science and Artificial Intelligence	30	Spring	6

‡ Acceptance onto this module is subject to interview
▲ COMP8160, COMP8220 and COMP8320 have a pass mark of 50%
* You can only pick *either* COMP6370 *or* COMP6560 as the content of the modules have lots of similarity
+ You must also choose COMP6360 in order to select COMP6685

ARTIFICIAL INTELLIGENCE   **UARI0001X1BS-F**
ARTIFCLINTEL:BSC
ARTIFICIAL INTELLIGENCE WITH A YEAR IN INDUSTRY
ARTIFCLINTEL-S:BSC   **UARI0001P1BS-F**

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP3830	Problem Solving with Algorithms	15	Spring	4
COMP5190	Theory of Computing	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5390	Web Development	15	Autumn	5
COMP5570	Computer Systems	15	Autumn	5
COMP5590	Software Development	15	Spring	5
COMP5850	AI Systems Implementation	15	Spring	5

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice- Stage 2	0	Autumn & Spring	5

ARTIFICIAL INTELLIGENCE WITH A YEAR IN INDUSTRY
ARTIFCLINTEL-S:BSC   **UARI0001P1BS-F**

Single Honours

STAGE S – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

ARTIFICIAL INTELLIGENCE   **UARI0001X1BS-F**
ARTIFCLINTEL:BSC
ARTIFICIAL INTELLIGENCE WITH A YEAR IN INDUSTRY
ARTIFCLINTEL-S:BSC   **UARI0001P1BS-F**
Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

*This module cannot be compensated or condoned
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following 15 credit compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6360	Cognitive Neural Networks	15	Autumn	6

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

PLUS 75 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6130	Entrepreneurship	15	Spring	6
COMP6100	Video Games Development	15	Autumn	6
COMP6370 *	Natural Computation	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6442	Semantic Technologies and Graph Analytics	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560 *	Computational Intelligence in Business, Economics and Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6590	Computational Creativity	15	Spring	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6685	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8220	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
EENG5610	Image Analysis and Applications	15	Spring	5
EENG6670	Embedded Computer Systems	15	Autumn & Spring	6
PHIL5830	Philosophy of Cognitive Science and Artificial Intelligence	30	Spring	6

‡ Acceptance onto this module is subject to interview

▲ COMP8160 and COMP8320 has a pass mark of 50%

* You can only pick *either* COMP6370 *or* COMP6560 as the content of the modules have lots of similarity

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)   UCAI0001X1BS-F
COMPSCI(AI):BSC
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH A YEAR IN INDUSTRY
COMPSCI(AI)-S:BSC   **UCAI0001P1BS-F**

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5450	Functional Programming	15	Spring	5
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

PLUS ONE of the following optional modules (15 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5190	Theory of Computing	15	Autumn	5
COMP5390	Web Development	15	Autumn	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice- Stage 2	0	Autumn & Spring	5

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH A YEAR IN INDUSTRY
COMPSCI(AI)-S:BSC   **UCAI0001P1BS-F**

Single Honours

STAGE S – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)   UCAI0001X1BS-F
COMPSCI(AI):BSC
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH A YEAR IN INDUSTRY
COMPSCI(AI)-S:BSC   UCAI0001P1BS-F
Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6370*	Natural Computation	15	Autumn	6

PLUS ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

* Module cannot be compensated or condoned
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

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

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
COMP6100	Video Games Development	15	Autumn	6
COMP6330	Computer Networks and Communications	15	Spring	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6442	Semantic Technologies and Graph Analytics	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6610	Theory and Practice of Concurrency	15	Autumn	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6685	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8220▲	Introduction to Quantum Computing and Quantum Cryptography	15	Spring	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
EENG5610	Image Analysis & Applications	15	Spring	5
PHIL5830	Philosophy of Cognitive Science and Artificial Intelligence	30	Spring	6

‡ Acceptance onto this module is subject to interview

▲ COMP8160, COMP8320 and COMP8220 have a pass mark of 50

COMPUTER SCIENCE (CYBER SECURITY)   UCYB0001X1BS-F
CYBSEC :BSC
COMPUTER SCIENCE (CYBER SECURITY) WITH A YEAR IN INDUSTRY   UCYB0001P1BS-F
CYBSEC-S:BSC

Single Honours

STAGE 2 – 120 credits – 60 in each

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5390	Web Development	15	Autumn	5
COMP5450	Functional Programming	15	Spring	5
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice- Stage 2	0	Autumn & Spring	5

COMPUTER SCIENCE (CYBER SECURITY) WITH A YEAR IN INDUSTRY   UCYB0001P1BS-F
CYBSEC-S:BSC

Single Honours

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

COMPUTER SCIENCE (CYBER SECURITY) UCYB0001X1BS-F
CYBSEC:BSC
COMPUTER SCIENCE (CYBER SECURITY) WITH A YEAR IN INDUSTRY UCYB0001P1BS-F
CYBSEC-S:BSC
Single Honours

STAGE 3 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6330	Computer Networks and Communications	15	Spring	6
COMP6640	Language-based security	15	Autumn	6
COMP6644	Information Security Management	15	Spring	6
COMP6650	Cyber Security Project	30	Autumn & Spring	6

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

PLUS 45 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
COMP5190	Theory of Computing	15	Autumn	5
COMP6100	Video Games Development	15	Autumn	6
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6370*	Natural Computation	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6442	Semantic Technologies and Graph Analytics	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560*	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6580	Programming Language Implementation	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6610	Theory and Practice of Concurrency	15	Autumn	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6630	Programming Languages: Applications and Design	15	Autumn	6
COMP6685 +	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8220▲	Introduction to Quantum Computing & Quantum Cryptography	15	Spring	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
EENG5610	Image Analysis & Applications	15	Spring	5
EENG6670	Embedded Computer Systems	15	Autumn & Spring	6

‡ Acceptance on this module is subject to interview

▲ COMP8160, COMP8220 and COMP8320 have a pass mark of 50%

* You can only take *either* COMP6370 *or* COMP6560 as the content of the modules have lots of similarity

+ Students must also choose COMP6360 before selecting COMP6685

COMPUTER SCIENCE (NETWORKS)   UCSN0001X1BS-F
COMPSCI(NET):BSC
COMPUTER SCIENCE (NETWORKS) WITH A YEAR IN INDUSTRY   UCSN0001P1BS-F
COMPSCI(NET)-S:BSC

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5450	Functional Programming	15	Spring	5
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice - Stage 2	0	Autumn & Spring	5

PLUS ONE of the following optional modules (15 credits):

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5190	Theory of Computing	15	Autumn	5
COMP5390	Web Development	15	Autumn	5

COMPUTER SCIENCE (NETWORKS) WITH A YEAR IN INDUSTRY   UCSN0001P1BS-F
COMPSCI(NET)-S:BSC

Single Honours

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

COMPUTER SCIENCE (NETWORKS)   UCSN0001X1BS-F
COMPSCI(NET):BSC
COMPUTER SCIENCE (NETWORKS) WITH A YEAR IN INDUSTRY   UCSN0001P1BS-F
COMPSCI(NET)-S:BSC

Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take the following compulsory module (15 credits):

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6330	Computer Networks and Communications	15	Spring	6

PLUS ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

* Module cannot be compensated or condoned
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

The remaining 75 credits should be taken from the optional modules below:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
COMP6100	Video Games Development	15	Autumn	6
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6370*	Natural Computation	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560*	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6580	Programming Language Implementation	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6610	Theory and Practice of Concurrency	15	Autumn	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6644	Information Security Management	15	Spring	6

COMP6685 +	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8220▲	Introduction to Quantum Computing and Quantum Cryptography	15	Spring	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7

‡ Acceptance on this module is subject to interview
▲ COMP8160, COMP8320 and COMP8220 have a pass mark of 50%
* You can only pick *either* COMP6370 *or* COMP6560 as the content of the modules have lots of similarity
+ Students must also choose COMP6360 if they would like to take COMP6685

COMPUTER SCIENCE FOR HEALTH WITH A YEAR IN INDUSTRY   UCSH0001P2BS-F
COMPSCIHEALTH-S:BSC

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

COMPUTER SCIENCE FOR HEALTH   UCSH0001X2BS-F
COMPSCIHEALTH:BSC
COMPUTER SCIENCE FOR HEALTH WITH A YEAR IN INDUSTRY   UCSH0001P2BS-F
COMPSCIHEALTH-S:BSC

Joint Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP8160▲	eHealth	15	Autumn	7

▲ COMP8160 has a pass mark of 50%

PLUS ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

* Module cannot be compensated or condoned
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

PLUS 60 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6130	Entrepreneurship	15	Spring	6
COMP6100	Video Games Development	15	Autumn	6
COMP6360	Cognitive Neural Networks	15	Autumn	6

COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6685 +	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
SPOR5270	Exercise for Special Populations	15	Autumn & Spring	5

‡ Acceptance on this module is subject to interview

▲ COMP8320 has a pass mark of 50%

+ Students must also choose COMP6360 if they would like to take COMP6685

COMPUTING UCMP0001X2BS-F
COMPUTING:BSC
COMPUTING WITH A YEAR IN INDUSTRY UCMP0001P2BS-F
COMPUTING-S:BSC

Single Honours

STAGE 2 – 120 credits – up to 75 credits in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5390	Web Development	15	Autumn	5
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

You must take one of the following compulsory modules (15 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6120	New Enterprise Development	15	Autumn	5
COMP5550	Software Project	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice - Stage 2	0	Autumn & Spring	5

COMPUTING WITH A YEAR IN INDUSTRY UCMP0001P2BS-F
COMPUTING-S:BSC

Single Honours

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

COMPUTING   **UCMP0001X2BS-F**
COMPUTING:BSC
COMPUTING WITH A YEAR IN INDUSTRY   **UCMP0001P2BS-F**
COMPUTING-S:BSC

Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

You must take ONE of the following compulsory modules (30 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Autumn & Spring	6
COMP6200* †	Research Project	30	Autumn & Spring	6

*Module cannot be compensated or condoned
† All students will be registered to COMP6000 automatically. Students wishing to take COMP6200 need to have an average of 60%+ in stage 2 and should contact cemsugandpgt@kent.ac.uk to ask for details of how to apply.

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

PLUS 90 credits from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6130	Entrepreneurship	15	Spring	6
COMP6100	Video Games Development	15	Autumn	6
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560	Computational Intelligence in Business, Economics and Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6644	Information Security Management	15	Spring	6
COMP6685 +	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7
PHIL5830	Philosophy of Cognitive Science and Artificial Intelligence	30	Spring	6

‡ Acceptance on this module is subject to interview

▲ COMP8160 and COMP8320 has a pass mark of 50%

+ Students must also choose COMP6360 if they would like to take COMP6685

SOFTWARE ENGINEERING   USWE0001X2BS-F
SOFTWAREENG:BSC
SOFTWARE ENGINEERING WITH A YEAR IN INDUSTRY   USWE0001P2BS-F
SOFTWAREENG-S:BSC

Single Honours

STAGE 2 – 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP5180	Algorithms, Correctness and Efficiency	15	Autumn	5
COMP5280	Introduction to Artificial Intelligence	15	Autumn	5
COMP5320	Database Systems	15	Spring	5
COMP5390	Web Development	15	Autumn	5
COMP5550	Software Project	15	Spring	6
COMP5570	Computer Systems	15	Autumn	5
COMP5580	Introduction to Cyber Security	15	Spring	5
COMP5590	Software Development	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP102	Stage 2 Additional Content	0	Autumn & Spring	5

Students on a Year in Industry will also take the following non-contributory compulsory module. This can also be taken by students who are not on the Year in Industry version as an optional, non-contributory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP001	Computing Industrial Practice- Stage 2	0	Autumn & Spring	5

SOFTWARE ENGINEERING WITH A YEAR IN INDUSTRY   USWE0001P2BS-F
SOFTWAREENG-S:BSC

Single Honours

STAGE S – 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP7920*	Industrial Placement Experience	90	Autumn & Spring	5
COMP7930*	Industrial Placement Report	30	Autumn & Spring	5

*Module cannot be compensated or condoned

SOFTWARE ENGINEERING

USWE0001X2BS-F

SOFTWAREENG:BSC

SOFTWARE ENGINEERING WITH A YEAR IN INDUSTRY

USWE0001P2BS-F

SOFTWAREENG-S:BSC

Single Honours

STAGE 3 – 120 credits – 60 in each term (at least 90 credits must be taken at Level 6)

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
COMP6000*	Group Project	30	Year-long	6

*Module cannot be compensated or condoned

PLUS the following non-contributory compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP103	Stage 3 Additional Content	0	Autumn & Spring	6

All students, whether they are on a Year in Industry course or not, can choose to take the following non-contributory optional module:

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
WCOMP003	Computing Industrial Practice – Stage 3	0	Autumn & Spring	6

The remaining 90 credits should be taken from the following optional modules:

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
BUSN6130 ~	Entrepreneurship	15	Spring	6
BUSN6770 ~	Financial Management for Decision Making and Control	15	Spring	5
COMP6100	Video Games Development	15	Autumn	6
COMP6360	Cognitive Neural Networks	15	Autumn	6
COMP6430	Computing Law and Professional Responsibility	15	Autumn	6
COMP6442	Semantic Technologies and Graph Analytics	15	Autumn	6
COMP6460 ‡	Computing in the Classroom	15	Spring	6
COMP6481	Solving Problems with Data and Text	15	Spring	6
COMP6560	Computational Intelligence in Business, Economics & Finance	15	Autumn	6
COMP6570	Internet of Things	15	Autumn	6
COMP6575	Blockchain Systems	15	Spring	6
COMP6590	Computational Creativity	15	Spring	6
COMP6620	Signal Analysis for Computing	15	Autumn	6
COMP6644	Information Security Management	15	Spring	6
COMP6685 +	Deep Learning	15	Spring	6
COMP6690	Cognitive Robotics	15	Spring	6
COMP8160▲	eHealth	15	Autumn	7
COMP8320▲	Data Mining and Knowledge Discovery	15	Spring	7

~ Only one of these modules may be selected

‡ Acceptance on this module is subject to interview

▲ COMP8160 and COMP8320 have a pass mark of 50%

+ Students must also choose COMP6360 if they would like to take COMP6685