



PART 1: COURSE SUMMARY INFORMATION

Course summary		
Final award	BSc(Hons) European Computing/DEST Informatique	
Intermediate award	BSc Computing, CertHE Computing, DipHE Computing	
Course status	Validated	
Awarding body	University of Brighton	
School	Computing Engineering and Mathematics	
Location of study/ campus	Moulsecoomb	
Partner institution(s)		
<i>Name of institution</i>	<i>Host department</i>	<i>Course status</i>
1. Université Paris Descartes	IUT	Joint Honours
2.		
Admissions		
Admissions agency	UCAS	
Entry requirements <i>Include any progression opportunities into the course.</i>	<p><i>Check the University's website for current entry requirements.</i></p> <p>A-levels or BTEC Entry requirements are in the range of A-level BCC–CCC (104–96 UCAS Tariff points), or BTEC Extended Diploma DMM–MMM. Our conditional offers typically fall within this range. Must include AS-level French or equivalent. We will generally make you an offer if your predicted grades are at the top of this range. If your predicted grades are towards the lower end of this range we may still make you an offer if you have a good GCSE (or equivalent) profile or relevant non-academic achievements.</p> <p>International Baccalaureate 27 points, with three subjects at Higher level. Must include French.</p> <p>Access to HE Diploma Pass with 60 credits overall. At least 45 credits at level 3, with 24 credits at merit or above. AS-level French, or equivalent, required.</p> <p>GCSE A minimum of five GCSEs, subjects must include English language and maths at grade 4.</p> <p>Foundation degree/HND May enable you to start the course in year 2 and 3.</p> <p>For non-native speakers of English IELTS 6.0 overall, with 6.0 in writing and a minimum of 5.5 in the other elements</p>	

Start date (mmm-yy) <i>Normally September</i>	Sept-17		
Mode of study			
Mode of study	Duration of study (standard)	Maximum registration period	
Full-time	3 years	Select 8 Years	
Part-time	Other: 6 Years	Select 8 Years	
Sandwich	4 years	Select 8 Years	
Distance	Select	Select	
Course codes/categories			
UCAS code	G560		
Contacts			
Course Leader (or Course Development Leader)	Jane Challenger Gillitt (Course Leader)		
Admissions Tutor	Ali Hamie		
Examination and Assessment			
External Examiner(s)	Name	Place of work	Date tenure expires
	Dr Petra Leimich	Edinburgh Napier University	30 September 2020
Examination Board(s) (AEB/CEB)	AEB / CEB		
Approval and review			
	Approval date	Review date	
Validation	May 2003 ¹	April 2015 ²	
Programme Specification	Jan 2017 ³	2017-2018 ⁴	
Professional, Statutory and Regulatory Body 1 (if applicable): British Computer Society (BCS)	May 2015	May 2020	
Professional, Statutory and Regulatory Body 2 (if applicable):			
Professional, Statutory and Regulatory Body 3 (if applicable):			

¹ Date of original validation.

² Date of most recent periodic review (normally academic year of validation + 5 years).

³ Month and year this version of the programme specification was approved (normally September).

⁴ Date programme specification will be reviewed (normally approval date + 1 year). If programme specification is applicable to a particular cohort, please state here.

⁵ Date of most recent review by accrediting/ approving external body.

PART 2: COURSE DETAILS

AIMS AND LEARNING OUTCOMES

Aims

The aims of the course are:

- To produce graduates able to design and develop distributed and interactive information systems in a European business context.
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- To produce graduates familiar with specific current ICTs, but with the understanding of underlying principles to allow them to adapt their skills to future demands.
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- To develop computing professionals who have a broad range of knowledge from a mixture of computing specialisms.
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- To enable students to develop the abilities expected of any graduate, including the abilities:
 - to think logically and imaginatively
 - to research effectively using a range of methods and sources
 - to communicate clearly through a variety of media, including both spoken and written English and French, and via electronic communication technologies.
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- To instill a professionalism characterized by:
 - the competent practice of appropriate professional skills
 - an understanding of the theories and models that underpin the application of those skills
 - the identification of appropriate technologies and methods necessary to deliver products and services, related to current information and communication technologies (ICTs), that satisfy client needs
- an understanding of the context, including the ethical and legal imperatives, in which professional activities are undertaken.

Learning outcomes

The outcomes of the main award provide information about how the primary aims are demonstrated by students following the course. These are mapped to external reference points where appropriate⁶.

Knowledge and theory

- On successful completion of the course the graduate should be able to:
1. Understand the structure of information systems in an organizational context including an internet environment, database design and implementation in organisations
 2. Understand constituent technologies of business systems and the applications and strategic use of ICT
 3. Function as an Information Systems professional, with understanding of professional, legal and ethical issues
 4. Apply the principles of human-computer interaction in a user-centred design process, to create accessible user experiences
 5. Understand standard system development life-cycles and project management techniques for the development of software

⁶ Please refer to *Course Development and Review Handbook* or QAA website for details.

<p>Skills</p> <p>Includes intellectual skills (i.e. generic skills relating to academic study, problem solving, evaluation, research etc.) and professional/practical skills.</p>	<p>Intellectual skills</p> <ol style="list-style-type: none"> 6. Research and analyse problem situations; model the requirements of possible solutions before implementation 7. Evaluate the extent to which technological and organisational solutions, processes and techniques are effective 8. Learn and apply new technologies, tools and methods 9. Reflect on learning and communicate effectively to a range of audiences through writing, speaking and presentation media 10. Identify ethical issues in the exploitation of technologies and work within professional, ethical and legal constraints <p>Professional and practical skills</p> <ol style="list-style-type: none"> 11. Work effectively in teams, plan projects and manage time 12. Analyse Information Systems requirements and match ICT solutions to requirements 13. Design, specify and implement ICT solutions which address the business problems and requirements 14. Effectively manage the development process 15. Design business applications to support business and organisational objectives in a distributed environment 16. Design creative solutions to solve problems in a business context 17. Model business systems and solutions using standard tools and techniques
<p>QAA subject benchmark statement (where applicable)⁷</p>	<p>The QAA benchmark for computing, 2007 - http://www.qaa.ac.uk/academicinfrastructure/benchmark/statements/computing07.pdf</p>

PROFESSIONAL, STATUTORY AND REGULATORY BODIES (where applicable)	
<p>Where a course is accredited by a PSRB, full details of how the course meets external requirements, and what students are required to undertake, are included.</p>	

LEARNING AND TEACHING	
<p>Learning and teaching methods</p> <p>This section sets out the primary learning and teaching methods, including total learning hours and any specific requirements in terms of practical/ clinical-based learning. The indicative list of learning and teaching methods includes information on the proportion of the course delivered by each method and details where a particular method relates to a particular element of the course.</p>	
<p><i>The information included in this section complements that found in the Key Information Set (KIS), with the programme specification providing further information about the learning and teaching methods used on the course.</i></p> <p>Learning and teaching strategy and primary learning and teaching methods</p> <p>Full-time students normally study 60 CATS points each semester. The standard model of weekly teaching for a module is a one hour lecture outlining the scope of the subject and a one hour tutorial or practical class. Some modules are taught in two hours of studio classes, combining formal teaching with demonstrations and practice. Other modules are undertaken through mainly independent learning, directed through occasional lectures, tutorials and seminars.</p> <p>Students learn independently during the academic year, through guided activities such as reading, practical skills development and completion of assessed coursework. For each module, they are expected to spend on average five hours per week on independent study.</p>	

⁷ Please refer to the QAA website for details.

At level 4, in semester 1, module CI153 is taught through small group tutorials (6-10 students) facilitated by the students' personal tutor. Students are supported through the induction process for the course, acquire the study skills necessary for succeeding as an undergraduate and practice professional skills relevant to their award.

At level 6, the individual project Brighton accounts for 30 CATS points and the individual project Paris accounts for 20 CATS points. Students work independently and are supported by a supervisor who they meet regularly to discuss issues relating to their project. The project enables students to extend and deepen their knowledge and skills within the field of their award and to practice the self-management of a major intellectual and practical challenge.

Work-related learning

The optional placement for full-time students is undertaken between Levels 5 and 6 and normally lasts for 48 weeks. Part-time students do not normally take the placement. Module CI282 is used to assess the placement year and is composed of reflection on the placement and in particular how it has helped the student to develop professionally.

E-Learning

Most modules require significant use of ICT by both students and staff. Extensive use is made of the University's VLE for all modules. In addition, some modules make use of a range of e-learning tools such as wikis and blogs that are hosted on the divisions servers. On-line assessment is used where appropriate.

Professional accreditation

Faculty sustainable development plan

The University of Brighton is committed to the principles of sustainable development. The products of the business information systems are largely intangible, but require material and energy in the form of computers and data networks for their storage and activation. Greater impact on ecological sustainability may be made by the informational content of business information systems, through their support for increased efficiency in utilisation of natural resources, or conversely by encouraging increased consumption.

The University Sustainability Policy's Key Principles are inherent in the topics covered and the teaching approach adopted on this course. Open technologies and standards are used where appropriate; the principles of universal and accessible design are built into the course. The capabilities described in these principles are developed in students *i.e.*

- critical thinking and problem solving
- a participatory, value-driven and inter-disciplinary approach
- understanding local situations and global implications
- action-orientation

These are all required attributes for working as reflective, ethical business information systems professional.

ASSESSMENT

Assessment methods

This section sets out the summative assessment methods on the course and includes details on where

to find further information on the criteria used in assessing coursework. It also provides an assessment matrix which reflects the variety of modes of assessment, and the volume of assessment in the course.

The information included in this section complements that found in the Key Information Set (KIS), with the programme specification providing further information about how the course is assessed.

The course contains some compulsory assessments not included in the breakdown provided on the KIS because they cannot be directly linked to credit. For example a pass/fail skills test included in one of the modules or as a course requirement. Full details of assessments within a module can be found on the University's VLE, student central.

All modules conform to the school assessment policy.

In particular, a variety of assessment methods to assess students knowledge and skills. These methods include:

- *Examinations:*
demonstration of knowledge and analytical skills.
- *Projects:*
research skills, problem analysis and problem solving, solution building and evaluation.
- *Portfolios:*
demonstration of the ability to apply knowledge, problem analysis and problem solving, integration of techniques to carry out tasks.
- *Reports:*
demonstration of analytical and communication skills.
- *Web-pages:*
as for reports, but also skills in information design and presentation.
- *Presentations:*
knowledge and communication skills
- *Computer based assessment* (particularly in the early programming work): knowledge and problem solving skills
- *Tests* (short, usually in class): knowledge and understanding.

The coursework schedules are published at the start of the academic year to ensure that student will be able to plan their time to facilitate the orderly completion of course work.

Assessment matrix

Award Learning outcomes	Assessment Methods	Modules	Number of credits
1. Understand the structure of information systems in an organizational context including an internet environment, database design and implementation in organisations	Group presentation, test, exam, project, portfolio, report	CI136, CI153, CI203, CI204, CI206	80
2. Understand constituent technologies of business systems and the applications and strategic use of ICT	Portfolio, test, report, exam, group report, presentation	CI118, CI135, CI136, CI143, CI153, CI225, CI233, CI381	100
3. Function as an Information Systems professional, with understanding of professional, legal and ethical issues	Project, report, group report, presentation	CI233, CI302, CI381	70
4. Apply the principles of human-computer interaction in a user-centred design process, to create accessible user experiences	Portfolio, exam, design task, analysis task, test	CI135, CI141, CI203	50

5. Understand standard system development life-cycles and project management techniques for the development of software	Portfolio, exam, group report, test, project	CI206, CI222, CI302, CI341	90
6. Research and analyse problem situations; model the requirements of possible solutions before implementation	Portfolio, test, report, presentation, essay, project, exam	CI113, CI143, CI153, CI226, CI302, CI381	110
7. Evaluate the extent to which technological and organisational solutions, processes and techniques are effective	Portfolio, report, exam, presentation, essay, group presentation	CI113, CI153, CI206, CI226, IT230, CI381, CI341	120
8. Learn and apply new technologies, tools and methods	Portfolio, exam, test, design task	CI118, CI102, CI203, CI225	60
9. Reflect on learning and communicate effectively to a range of audiences through writing, speaking and presentation media	Report, presentation, group report, test, group presentation, essay, project	CI136, CI153, CI222, CI233, CI226, CI302	110
10. Identify ethical issues in the exploitation of technologies and work within professional, ethical and legal constraints	Presentation, essay, portfolio, project	CI226, CI302, CI381	70
11. Work effectively in teams, plan projects and manage time	Portfolio, group presentation, design task, analysis task, exam, group report, test, individual report, group presentation	CI113, CI136, CI141, CI206, CI222, CI233	80
12. Analyse Information Systems requirements and match ICT solutions to requirements	Portfolio, test, exam, project	CI143, CI206, CI225, CI302, CI381	100
13. Design, specify and implement ICT solutions which address the business problems and requirements	Portfolio, exam, test, project,	CI113, CI135, CI203, CI204, CI206	100
14. Effectively manage the development process	Group report, test, individual report, group presentation, project, exam	CI222, CI233, CI302, CI341	80

15. Design business applications to support business and organisational objectives in a distributed environment	Test, exam, project, group report, individual report, group presentation	CI203, CI204, CI233	50
16. Design creative solutions to solve problems in a business context	Test, design task, exam, project, group presentation	CI102, CI204, CI233, IT230, CI381	90
17. Model business systems and solutions using standard tools and techniques	Test, design task, portfolio, exam	CI102, CI143, CI204, CI206	70
18. effective communication in oral French and English in technical, business and everyday environments		L5 - Language modules (French) plus CI modules (English)	
19. effective co-operative working in an international environment		All modules	

SUPPORT AND INFORMATION	
Institutional/ University	<p>All students benefit from:</p> <ul style="list-style-type: none"> University induction week Student Handbook: the University and you Course Handbook Extensive library facilities Computer pool rooms E-mail address Welfare service Personal tutor for advice and guidance
Course-specific Additional support, specifically where courses have non-traditional patterns of delivery (e.g. distance learning and work-based learning) include:	<p>In addition, students on this course benefit from:</p> <ul style="list-style-type: none"> • The school's Student Support and Guidance Tutor provides support throughout level 4 and in exceptional circumstances for level 5 and 6 students • School, division, course and module specific areas on Student Central • Optional paid placement of 1 year between level 5 and 6 supported by the Faculty placement unit and individual tutors

PART 3: COURSE SPECIFIC REGULATIONS

COURSE STRUCTURE

This section includes an outline of the structure of the programme, including stages of study and progression points. Course Leaders may choose to include a structure diagram here.

The BSc (Hons) European Computing/DEST Informatique award enables students to develop the skills required to design technical solutions for business-related problems; solutions which often involve interaction with a variety of departments and third-parties.

Course content and curriculum

All modules in level 4 and level 5 are compulsory. In level 6, students study 3 compulsory modules as well as the mandatory individual project (CI302). The final Semester of the course is spent studying 4 compulsory modules and the mandatory individual project at the IUT, Université Rene Descartes.

Optional industry placement

Students are encouraged to take the placement year between levels 5 and 6. The main driving force behind the placement process is the Faculty Placement Unit which starts the process of helping students find a placement by an induction week placement day in level 5.

Students undertaking the placement year study CI282 which allows them to gain 20 CATS point of credit for successfully completing the placement and undertaking coursework to reflect on and document their experiences during the placement year.

Each student is visited at their placement location by their academic supervisor at least once during the placement period.

Course structure diagram

Normal point of entry – **LEVEL 4**

Semester 1	Semester 2
CI118 Intro to Application Development	
CI102 Introduction to databases	
CI135 Introduction to web development	
CI143 Introduction to requirements analysis	CI113 Introduction to organisations
CI153 Perspectives on Computing	CI136 Digital Technologies
	CI141 Human-computer interaction

Progress to **LEVEL 5**

Possible direct entry from Foundation degree

Semester 1	Semester 2
CI203 Web based application development	
CI204 Databases II	
CI206 System analysis and design	
IT230 Information systems management	
CI222 Project planning and control	CI233 Integrated group project
CI225 Networking technologies	CI226 Socio-technical approaches to information systems
French Language Module	French language Module

CI282 Placement learning – for students doing an optional year working in industry

Progress to **LEVEL 6**

Possible direct entry from Foundation degree

Semester 1	Semester 2: modules taken at Université Paris Descartes
CI302 Individual project	Europe et entreprises
CI341 Software Project Management	Conception et gestion des systèmes d'information
CI381 Deriving Business Value from ICT	Systèmes distribués. Modèles de comportement
CI338 Usability Evaluation	Langues, communication et culture générale en Informatique
	Projet

Subject benchmark statement

The Computing Benchmark Statement was used as the input to the design process for the course, when it was validated and reviewed. At that time this award was one of a number of awards in the Computing Undergraduate Programme, which shared a common level 4 first semester. The benchmark statement is available at:

<http://www.qaa.ac.uk/academicinfrastructure/benchmark/statements/computing07.pdf>

Modules				
Status:				
M = Mandatory (modules which must be taken and passed to be eligible for the award)				
C = Compulsory (modules which must be taken to be eligible for the award)				
O = Optional (optional modules)*				
A = Additional (modules which must be taken to be eligible for an award accredited by a professional, statutory or regulatory body, including any non-credit bearing modules)				
All modules labelled C or M are compulsory for both awards (BIS and BCS) unless otherwise indicated.				
<i>*Optional modules listed are indicative only and may be subject to change, depending on timetabling and staff availability</i>				
Level⁸	Module code	Status	Module title	Credit
4	CI118	C	Introduction to Application Development	10
4	CI102	C	Introduction to databases	20
4	CI113	C	Introduction to organisations	20
4	CI135	C	Introduction to website development	20
4	CI136	C	Digital Technologies	10
4	CI141	C	Human computer interaction	10
4	CI143	C	Introduction to requirements analysis	10
4	CI153	C	Perspectives on Computing	20
5	CI203	C	Web based application development	20
5	CI204	C	Databases II	20
5	CI206	C	Systems analysis and design	20
5	CI222	C	Project planning and control	10
5	CI225	C	Networking technologies	10
5	CI226	C	Socio-technical approaches to information systems	10
5	CI233	C	Integrated group project	10
5	IT230	C	Information systems management	20
5	CI282	O	Placement learning	20
6	CI302	M	The individual project	30
6	CI338	C	Usability evaluation	10
6	CI341	C	Software Project management	10
6	CI381	C	Deriving Business Value from I CT	10
6	n/a	C	Pathway credit to the value of 60 credits based on modules studied at Université Paris Descartes	60

⁸ All modules have learning outcomes commensurate with the FHEQ levels 0, 4, 5, 6, 7 and 8. List the level which corresponds with the learning outcomes of each module.

AWARD AND CLASSIFICATION							
Award type	Award*	Title	Level	Eligibility for award		Classification of award	
				Total credits ⁹	Minimum credits ¹⁰	Ratio of marks ¹¹ :	Class of award
Final	BSc	BSc (Hons) European Computing/DEST Informatique	6	Total credit 360	Minimum credit at level of award 120	Levels 5 and 6 (25:75)	Honours degree
Final	BSc	BSc Computing	6	Total credit 300	Minimum credit at level of award 60	Select	Not applicable
Intermediate	DipHE	Computing	5	Total credit 240	Minimum credit at level of award 60	Select	Not applicable
Intermediate	CertHE	Computing	4	Total credit 120	Minimum credit at level of award 60	Select	Not applicable
Select			Select	Total credit Select	Minimum credit at level of award Select	Select	Select
*Foundation degrees only		Progression routes from award:					
Award classifications		Mark/ band %	Foundation degree	Honours degree		Postgraduate¹² degree (excludes PGCE and BM BS)	
		70% - 100%	Distinction	First (1)		Distinction	
		60% - 69.99%	Merit	Upper second (2:1)		Merit	
		50% - 59.99%	Pass	Lower second (2:2)		Pass	
		40% - 49.99%		Third (3)			

⁹ Total number of credits required to be eligible for the award.

¹⁰ Minimum number of credits required, at level of award, to be eligible for the award.

¹¹ Algorithm used to determine the classification of the final award (all marks are credit-weighted). For a Masters degree, the mark for the final element (e.g. dissertation) must be in the corresponding class of award.

¹² Refers to taught provision: PG Cert, PG Dip, Masters.

EXAMINATION AND ASSESSMENT REGULATIONS

Please refer to the *Course Approval and Review Handbook* when completing this section.

The examination and assessment regulations for the course should be in accordance with the University's General Examination and Assessment Regulations for Taught Courses (available from staffcentral or studentcentral).

<p>Specific regulations which materially affect assessment, progression and award on the course</p> <p>e.g. Where referrals or repeat of modules are not permitted in line with the University's <i>General Examination and Assessment Regulations for Taught Courses</i>.</p>	<ol style="list-style-type: none">1. The course regulations are in accordance with the University's General Examination and Assessment Regulations (available from the school office, website or the Registry) and the undergraduate modular framework CEM undergraduate framework.2. Students who meet the University requirements for an ordinary award will be awarded a BSc Computing.
<p>Exceptions required by PSRB</p> <p>These require the approval of the Chair of the Academic Board</p>	<p>N/A</p>