University of Bedfordshire

Course Information Form

This Course Information Form provides the definitive record of the designated course

Section A: General Course Information

Course Title	FdSc Building Technology
Final Award	FdSc
Route Code	FDBLDAAF
Intermediate Qualification(s)	
FHEQ Level	5
Location of Delivery	University Square Campus, Luton
Mode(s) and length of study	Two years Full Time (FT) – Three years Part Time (PT)
Standard intake points (months)	October
External Reference Points as applicable including Subject Benchmark	QAA SBS Land, Construction, Real Estate and Surveying (2019) QAA Foundation Degree Characteristics Statement (2015) FHEQ (2014) SEEC Credit Descriptors for HE (2016)
Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	n/a

HECoS code(s)	100584
UCAS Course Code	K211

Course Aims	The composition of this course is structured around the key attributes that an effective employee or graduate should have once in industry: • Developed personal skills with both the confidence and ability to express creativity, both individually and as part of a team; • Gained the ability to promote a responsible, professional attitude towards the selection and use of both data and skills, within team based contexts; • Established an in-depth understanding of building technology, and developed a critical awareness of new emerging solutions and technologies; • Developed a comprehensive awareness of the wider cultural, social, political, economic and ethical implications of projects within the construction industry; • Applied appropriate knowledge and skills to a piece of work on building technology through the Honours Project, which reflects the programme being studied. In addition to the broad aims of the course, the specific qualities built into the curriculum ensure that students will gain a systemic understanding of new developments and application. Students will also develop the capacity to analyse, assess and recommend high-level strategies for materials, structures and methods. The specific objectives of this course, therefore, are to provide students with the skills and knowledge of key subject areas, which relate to sustainability at operational, tactical and strategic levels for modern building technologies. The course will equip students with: • The aptitude to solve problems within various settings; • The competence to develop concepts and apply them in pragmatic ways; • Advanced analytical skills that can be used within organisations; • A perceptive insight into technology-related issues; • The ability to understand policies within local and global contexts, and the capability to identify emerging legislation; • A good understanding of how the design of a construction project can impact on the success and implementation of that project; • The aptitude to think and plan strategically in the design of construction projects; • A good understanding of the societal implications of emerging technologies in construction; • The aptitude to analyse, synthesise, critique and evaluate various means of building technologies, their deployment and leading-edge ideas.

Course Learning Outcomes

Upon successful completion of your course you should meet the appropriate learning outcomes for your award shown in the table below

	Outcome	Award
1	A critical understanding of building technology and awareness of new and emerging solutions and technologies	FdSc Building Technology
2	Developed a detailed awareness of the wider cultural, social, political, economic and ethical implications affecting projects within the construction industry	FdSc Building Technology
3	Evaluated and applied the appropriate knowledge and skills to your work, which reflect the requirements of building technology-orientated professions	FdSc Building Technology
4	The ability to promote a responsible, professional attitude towards the evaluation and application of construction project data, tools and technologies, and skills within team-based contexts	FdSc Building Technology
5	Developed personal skills with the confidence and ability to express creativity in the development of technical and graphical construction project solutions, both individually and as part of a team	FdSc Building Technology

Teaching, learning and assessment strategies	The learning and teaching strategy is focused on the explanation of theoretical concepts, accompanied by tutor-supported practical activity to reinforce understanding. This is accomplished through a combination of lectures, tutorials, moderated discussions/debates, peer group discussions/support, directed practical activity with dedicated online technical support, and a database of reading materials. This strategy shall often be delivered as combined lectures/discussion/practical research in one session, with academic and demonstrator support. Additionally, there will be self-directed research and work-based practical activity, which can be assisted by the use of teaching packs, online technical indexes, and internet/government publications. The particular form of support will be module specific; however, all are characterised by tutor support and a pragmatic approach to activity. All teaching sources are available within the BREO Virtual Learning Environment (VLE), which includes references and links, general unit and course information, discussion groups, tests and assessments. The VLE is available outside of the University to enrolled students. Students entering on the course are already likely to have some experience of using computers and their operation. Therefore the approach to teaching and learning begins with student-centred methods and progresses towards independent learning. As the teaching is centred on students, the course structure aims to build their confidence by providing timely and informative feedback under the guidance of their lecturer/tutor. Project supervision involves regular tutorial contact between groups/individuals and their supervisor. The project is integral to the Honours-nature of student study and is seen, both within the University and outside, as an indication of the overall ability and performance of the student. A range of assessment methods are used throughout the course. The types of assessment used range from practical work, which assesses the practical application of knowledge and concepts gained in lectures, seminars, and also from learning acquired during self-study, through to presentation and report based assessments. Time controlled in-class tests are also utilised to allow the students to experience and adjust to industry requirements. Assessment submissions will be made via the BREO VLE online portal. Please note that the system may ‘timeout’ if the period of upload is excessive due to overly-large files. Students are therefore encouraged to submit file sizes of less than 20MB. Should you wish to submit larger files, please leave sufficient time to test the submission/discuss with the Unit tutor, prior to the assessment deadline.
Learning support	The University’s comprehensive student support service includes: Student Information Desk, a one-stop shop for any initial enquiries; Student Support team advising and supporting those with physical or learning needs or more general student well being; Study Hub team providing academic skills guidance; Personal Academic Tutoring system; a student managed Peer-Assisted Learning scheme; support from your lecturers

Admissions Criteria	https://www.beds.ac.uk/entryrequirements **Approved Variations and Additions to Standard Admission** n/a
Assessment Regulations	https://www.beds.ac.uk/about-us/our-university/academic-information **Note: Be aware that our regulations change every year** **Approved Variations and Additions to Standard Assessment Regulations'** n/a

Section B: Course Structure

The Units which make up the course are listed below. Each unit contributes to the achievement of the course learning outcomes either through teaching (T), general development of skills and knowledge (D) or in your assessments (A).

Unit	Unit Name	Level	Credits	Core or Option	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CBF014-1	Sustainability, Environment And Construction Technology	4	30	Core	T1 T2	T2	T1 T2	T1 T2	T1 T2										
CBF015-1	Design Principles And Structural Detailing	4	30	Core	T2	T1	T1 T2	T1 T2	T1 T2										
CBF016-1	Academic and Computer Skills, Health and Safety	4	30	Core	T1 T2		T1 T2	T1 T2	T1 T2										
CBF020-1	Work Based Learning A – Surveying Learning and Practical Skills for Construction	4	30	Core	T1 T2	T1	T1 T2	T1 T2	T1 T2										
CBF009-2	Human Resource Management and Career Development	5	15	Core		DA1 2	DA1 2		DA1 2										
CBF012-2	Work Based Learning B - Building Structures, Services And Control	5	30	Core	DA 1	DA1	DA1 2	DA1	DA1 2										
CBF013-2	Building Services And Smart Homes	5	30	Core	DA 1	DA1	DA1 2	DA1 2	DA1 2										
CBF020-2	Construction Contracts, Measurements and Processes	5	15	Core	DA 1	DA1	DA1 2	DA1 2	DA1 2										
CBF021-2	Building Technology	5	30	Core	DA 1	DA1	DA1 2	DA1 2	DA1 2										

Section C: Assessment Plan

The course is assessed as follows :

FDBLDAAF-

Unit Code	Level	Period	Core/Option	Ass 1 Type code	Ass 1 Submit wk	Ass 2 Type code	Ass 2 Submit wk	Ass 3 Type code	Ass 3 Submit wk	Ass 4 Type code	Ass 4 Submit wk
CBF014-1	4	TY	Core	WR-I	18	PR-ORAL	30				
CBF015-1	4	TY	Core	WR-I	20	PR-ORAL	30				
CBF016-1	4	TY	Core	WR-I	18	PR-ORAL	29				
CBF020-1	4	TY	Core	CW-PORT	18	CW-PORT	30				
CBF020-2	5	SEM 1	Core	WR-I	6	CW-PORT	15				
CBF009-2	5	SEM 2	Core	WR-I	8	WR-I	15				
CBF012-2	5	TY	Core	CW-PORT	8	CW-PORT	30				
CBF013-2	5	TY	Core	WR-I	10	CW-PORT	29				
CBF021-2	5	TY	Core	CW-PORT	19	CW-PORT	30				

Glossary of Terms for Assessment Type Codes	
WR-I	Coursework - Individual Report

Administrative Information	
Faculty	Creative Arts Technologies and Science
School	School of Computer Science and Technology
Head of School/Department	Paul Sant
Course Coordinator	David Jazani