

**DEFINITIVE COURSE RECORD**

Course Title	<b>BSc (Hons) Civil Engineering [progression route]</b>
Awarding Bodies	<b>University of Suffolk</b>
Level of Award <sup>1</sup>	<b>FHEQ Level 6</b>
Professional, Statutory and Regulatory Bodies Recognition	<b>Joint Board of Moderators</b>
Credit Structure <sup>2</sup>	<b>360 Credits Level 6: 120 Credits Advanced standing of 240 credits at level 4 and 5</b>
Mode of Attendance	<b>Part-time</b>
Standard Length of Course <sup>3</sup>	<b>2 years part-time</b>
Intended Award	<b>BSc (Hons) Civil Engineering</b>
Named Exit Awards	<b>None</b>
Entry Requirements <sup>4</sup>	<b>Typical Offer: Appropriate Foundation Degree (or equivalent)</b>
Delivering Institution(s)	<b>University of Suffolk at Suffolk New College</b>
UCAS Code	<b>N/A</b>

This definitive record sets out the essential features and characteristics of the BSc (Hons) Civil Engineering [progression route] course. The information provided is accurate for students entering level 6 in the 2022-23 academic year.<sup>5</sup>

**Course Summary**

The BSc (Hons) route leads to incorporated engineer status within the Institute of Civil Engineers or the Institute of Structural Engineers. It enables the opportunity to become an incorporated civil or structural engineer dealing with the practical aspects of translating designs into reality through a range of drawings, work schedules, material selection and control of the work on site. The course will develop the skills knowledge and understanding that you have undertaken at levels 4 and 5.

The course has very strong links with industry and is delivered on a part-time day release basis, and is specifically aimed at students who are working within the industry and being sponsored in their studies by their employers.

<sup>1</sup> For an explanation of the levels of higher education study, see the [QAA Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies \(2014\)](#)

<sup>2</sup> All academic credit awarded as a result of study at the University adheres to the [Higher education credit framework for England](#).

<sup>3</sup> Where the course is delivered both full-time and part-time, the standard length of course is provided for the full-time mode of attendance only. The length of the part-time course is variable and dependent upon the intensity of study. Further information about mode of study and maximum registration periods can be found in the [Framework and Regulations for Undergraduate Awards](#).

<sup>4</sup> Details of standard entry requirements can be found in the [Admissions Policy](#) and further details about Disclosure and Barring Checks (DBS) can be found on the [University's DBS webpage](#).

<sup>5</sup> The University reserves the right to make changes to course content, structure, teaching and assessment as outlined in the [Admissions Policy](#).

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### Course Aims

- To enable students to achieve a nationally recognised qualification appropriate to the requirements of employers
- To enable students to gain subject skills and knowledge appropriate to their chosen profession
- To provide students with a range of key transferable skills appropriate to the workplace and for further study
- To enable students to gain an academic qualification in support of their progress towards membership of an appropriate professional institute

### Course Learning Outcomes

The following statements define what students graduating from the BSc (Hons) Civil Engineering [progression route] course will have been judged to have demonstrated in order to achieve the award. These statements, known as learning outcomes, have been formally approved as aligned with the generic qualification descriptor for level 6 awards as set out by the UK Quality Assurance Agency (QAA)<sup>6</sup>.

#### A. Knowledge and Understanding

The emphasis is on application and evaluation of contrasting ideas, principles, theories and practices; greater specialism in the realms of Civil Engineering by study; and an increasing independence in systematic enquiry and analysis.

Students will be able to:

- Demonstrate their knowledge and understanding of the essential facts, concepts, theories and principles of Civil Engineering in relation to a wide range of engineering situations;
- Demonstrate their knowledge and understanding of the relationship between the different aspects of the Civil Engineering profession, their relationship to the wider issues of the built environment professions and their underlying principles; and
- Demonstrate a critical understanding of the social, environmental, ethical, economic and commercial implications of the work of the Civil Engineering industry.

#### B. Mental and cognitive skills

Students should be able to:

- Apply appropriate quantitative science and engineering tools to the analysis of problems;
- Demonstrate creative and innovative ability in the synthesis of solutions and in formulating designs; and
- Comprehend the broader context of Civil Engineering problems and be able to provide solutions to problems at an appropriate level of detail.

#### C. Subject Specific and Practical Skills

Students should be able to:

- Understand and apply the underpinning scientific and mathematical skills essential to support the study of engineering structures, materials, geology and hydraulics and the design of appropriate and economic solutions;

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<sup>6</sup> As set out in the [QAA Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies \(2014\)](#)  
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- Analyse Civil Engineering problems using appropriate combinations of theoretical understanding, computer software and laboratory experimentation in the study of engineering materials, structures, hydraulics and natural geology;
- Produce designs which are economically viable, involve an appropriate level of engineering complexity and use an advantageous combination of established and innovative practice;
- Analyse, understand, interpret and evaluate Civil Engineering problems and their solutions in the contexts of economic, social and environmental appropriateness; and
- Apply your developing knowledge and understanding of Civil Engineering practice in your chosen branch of the Civil Engineering profession.

### D. Key Skills

Key Skills, also known as graduate key skills, transferable skills or general skills, comprise communication, information technology, problem solving, numeracy, working with others and improving own learning.

By the end of the course students should be able to demonstrate ability in:

- Absorbing the ethos of lifelong learning by continuing professional development (CPD);
- Communication/inter-personal/social skills;
- Development of flexibility/initiative;
- Development of team working and leadership skills;
- Study skills;
- Employability skills;
- Number skills; and
- Use of information technology (IT)

### Course Design

The design of this course has been guided by the following QAA Benchmark and Professional Standards

- QAA Benchmarks: Engineering (2015)
- Professional Standards: Joint Board of Moderators (JBM)

### Course Structure

The BSc (Hons) Civil Engineering [progression route] comprises modules at level 6.

Module Specifications for each of these modules are included within the course handbook, available to students on-line at the beginning of each academic year.

Module title	Work Based	Credits	Module type
<b>Level 6 modules</b>			
Structural Analysis & Design B		20	M
Geotechnics & Hydraulics		20	M
Materials Technology B		20	M
Contract Law & Administration		20	M
Dissertation		40	M

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### Awards

On successful completion of the course, students will be awarded a BSc (Hons) Civil Engineering.

### Course Delivery

The course is delivered at the University of Suffolk at Suffolk New College. Students studying part-time on BSc (Hons) Civil Engineering [progression route] are likely to have approximately 7 contact hours per week. The contact hours will be a mix of lectures, individual and group exercises and practical work. Students will normally be expected to undertake approximately 13 hours of independent study in an average week, but should be prepared for this to vary based on assignment deadlines and class exercises.

### Course Assessment

A variety of assessments will be used on the course to enable students to experience and adapt to different assessment styles. The assessment methods used will be appropriate to assess each module's intended learning outcomes. Assessment on the course will be a combination of coursework and exams, coursework will include reports, case studies and practical work write ups. Assessments including the dissertation make up approximately 55% of the assessment load with examinations totalling approximately 45% of the assessment load.

### Special Features

This programme is accredited by the Joint Board of Moderators (JBM). Holders of this qualification fully satisfy the education base for an Engineering Technician (EngTech) and the educational base for an Incorporated Engineer (IEng).

### Course Team

The academic staff delivering this course are drawn from a team that includes teaching specialists and current practitioners. All staff are qualified in their subjects with their own specialist knowledge to contribute.

### Course Costs

Students undertaking BSc (Hons) Civil Engineering [progression route] will be charged tuition fees as detailed below:

Student Group	Tuition Fees
Full-time UK/EU	Not applicable
Part-time UK/EU	£1,454 per 20 credit module
Full-time International	Not applicable
Part-time International	£2,287 per 20 credit module

Payment of tuition fees is due at the time of enrolment and is managed in accordance with the Tuition Fee Policy.

Additionally students may be required to pay for transport if any site visits are organised. Student may also be advised to spend up to £60 per year on books but this is not compulsory.

### Academic Framework and Regulations

This course is delivered according to the Framework and Regulations for Undergraduate Awards and other academic policies and procedures of the University and published on the [website](#).