UNIVERSITY OF WOLVERHAMPTON

Course Specification

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Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Architecture, Computing and Engineering		
Course Code(s):	CV037H01UF	Full-time	3 Years
UCAS Code:	H200		
Course Title:	BEng (Hons) Civil Engineering		
Hierarchy of Awards:	Bachelor of Engineering with Honours Civil Engineering Bachelor of Engineering Civil Engineering Diploma of Higher Education Civil Engineering Certificate of Higher Education Civil Engineering		
Language of Study:	English		
Date of first cohort:	14/Sep/2026		
Specification valid from:	2025/6		

Academic Staff

Course Leader:	Kenneth Eshiet
Head of Department:	

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Standard Provision (Not delivered in partnership)
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS

- GCSE English and Maths at grade C+/4 or an accepted equivalence.
  - Only the following equivalent qualifications are accepted for English: Functional Skills Level 2 English and OCN Access to HE Core English (12 credits at Level 2 or 3 in English)
  - Only the following equivalent qualifications are accepted for Mathematics: Functional Skills Level 2 Maths and OCN Access to HE Core Mathematics (12 credits at Level 2 or 3 in Mathematics)

PLUS EITHER

- 96 UCAS points
- A Levels - grades CCC / BCD including Mathematics.
- BTEC L3 Extended Diploma or OCR Cambridge L3 Technical Extended Diploma - grades MMM in a subject relevant to Civil Engineering or Construction/Built Environment Engineering and must include mathematics modules.
- Access to HE Diploma (60 credits) of which a minimum of 45 must be at Level 3 (96 UCAS point equivalence, with at least 24 at Merit from Engineering/Mathematics; 12 credits at Merit from Electrical Science and 9 credits at Merit from Mechanical Science)

T Level (Full T level achieved) achieving minimum P (A*-C) in one of the following subject areas; Design & Development for Engineering & Manufacturing; Maintenance, Installation & Repair for Engineering & Manufacturing or Engineering, Manufacturing, Processing and Control.

Distinctive Features of the Course:

The BEng (Hons) Civil Engineering at the University of Wolverhampton offers a dynamic blend of academic excellence and hands-on learning, designed to prepare you for a successful career in the civil engineering industry. Delivered at the Springfield Campus, the course benefits from modern teaching spaces and industry-standard laboratory facilities, enabling you to develop practical skills alongside strong theoretical knowledge.

Accredited by the Joint Board of Moderators (JBM), the programme fully satisfies the educational requirements for Incorporated Engineer (IEng) status and provides a clear pathway towards Chartered Engineer (CEng) status through further learning. This ensures that your degree is professionally recognised and aligned with industry expectations.

Throughout the course, you will engage with real-world engineering challenges, applying your knowledge through design projects, laboratory investigations, and problem-based learning. Strong links with industry and exposure to current engineering practices will help you develop the technical, analytical, and professional skills required in today’s rapidly evolving sector.

Key features of the course include:

- JBM-accredited programme, fully meeting IEng requirements and supporting progression to CEng with further study
- Access to state-of-the-art laboratories and specialist civil engineering facilities
- Strong emphasis on design, analysis, and real-world engineering problem-solving
- Opportunities to work on live briefs and industry-informed projects
- Engagement with industry professionals through guest lectures and site-related learning
- Development of key professional skills including teamwork, communication, and project management
- Supportive learning environment that fosters independent thinking and innovation
- Clear progression routes to postgraduate study, including MSc and research degrees

By the end of the course, you will have developed the knowledge, practical experience, and professional competencies needed to pursue a rewarding career in civil engineering, while being well-positioned for further study and progression towards Chartered Engineer status.

Educational Aims of the Course:

Intakes:

September

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2025/6	H	Full Time / Sandwich	£9535.00
2025/6	Overseas	Full Time / Sandwich	£15995.00
2026/7	H	Full Time / Sandwich	£9790.00
2026/7	Overseas	Full Time / Sandwich	£17600.00

PSRB:

CV037H01UF (Full-time)

Professional Accreditation Body:
Chartered Institute of Highways & Transportation (CIHT)

Accrediting Body:
Chartered Institute of Highways and Transportation (CIHT)

Accreditation Statement:
Accredited by the Chartered Institution of Highways and Transportation (CIHT) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partially meeting the academic requirement for registration as a Chartered Engineer.

Approved	Start	Expected End	Renewal
05/Jun/2026	05/Jun/2026	31/Aug/2027	31/Aug/2029

CV037H01UF (Full-time)

Professional Accreditation Body:
Institute of Highway Engineers (IHE)

Accrediting Body:
Institute of Highway Engineers (IHE)

Accreditation Statement:
Accredited by the Institute of Highway Engineers (IHE) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer.

Approved	Start	Expected End	Renewal
05/Jun/2026	05/Jun/2026	31/Aug/2029	31/Aug/2029

CV037H01UF (Full-time)

Professional Accreditation Body:
Institution of Civil Engineers (ICE)

Accrediting Body:
Institution of Civil Engineers (ICE)

Accreditation Statement:

Accredited by Institution of Civil Engineers (ICE) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partially meeting the academic requirement for registration as a Chartered Engineer.

Approved	Start	Expected End	Renewal
05/Jun/2026	05/Jun/2026	31/Aug/2028	31/Aug/2028

CV037H01UF (Full-time)

Professional Accreditation Body:
Institution of Structural Engineers (IStructE)

Accrediting Body:
Institution of Structural Engineers (IStructE)

Accreditation Statement:
Accredited by the Institution of Structural Engineers (IStructE) on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer.

Approved	Start	Expected End	Renewal
05/Jun/2026	05/Jun/2026	31/Aug/2028	31/Aug/2028

Course Structure:

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
4CV017	Succeeding at University-Civil Engineering	30	SEM1	Core
4CV018	Engineering Mathematics and Numerical Methods	30	SEM1	Core
4CV019	Engineering Mechanics & Materials	30	SEM2	Core
4CV020	Surveying and Digital Technologies	30	SEM2	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
5CV022	Geotechnical Engineering and Geology	30	SEM2	Core
5CV023	Professional Development-Civil Engineering	30	SEM1	Core
5CV024	Structural Analysis & Design 1	30	SEM1	Core
5CV025	Transport Systems Planning and Design	30	SEM2	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
6CV038	Final Year Dissertation	30	YEAR	Core
6CV031	Hydraulics & Water Engineering	30	SEM1	Core
6CV039	Geotechnical and Structural Analysis and Design	30	YEAR	Core
6CV037	Capstone Design Project	30	SEM2	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Regulations Exemption:

Section 4.2.1 - Exemption in accordance with competency requirements stipulated by the Engineering Council's Accreditation of Higher Education Programmes (AHEP4) and the Joint Board of Moderators (JBM). Projects and taught modules involving formal examinations should be components and must achieve a passing grade.

Section 4.6.2 - For programmes accredited under the Engineering Council's Accreditation of Higher Education Programmes (AHEP4) and the Joint Board of Moderators (JBM), compensation (marginal fail) is allowed for a maximum of 30 credits, with marks no more than 10% below the pass mark to be awarded credit (providing that all learning outcomes are achieved and excluding major projects/dissertations).

Reference Points:

Engineering Council: Recognising learning and development programmes

Joint Board of Moderators (JBM)

UK Quality Code for Higher Education

Qualifications and Credit Frameworks

Subject Benchmark Statements

University Policies and Regulations

Equality Act 2010: guidance - GOV.UK

Apprenticeship Standard

Overview of Assessment:

As part of the course approval process, the course learning outcomes were mapped to each of the modules forming the diet of the programme of study. This process confirmed that all course learning outcomes can be met through successful completion of the modules. This mapping applies to the final award as well as to all of the intermediate awards.

Learning Outcomes	Modules

Learning Outcomes	Modules
CERTHE01 Demonstrate knowledge of the underlying concepts, theories and principles associated with your area(s) of study (Knowing)	
CERTHE02 Evaluate, interpret and apply data, to develop ideas and discussion in your subject(s) of study (Knowing)	
CERTHE03 Use different approaches to solving problems related to your area(s) of study (Doing)	
CERTHE04 Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments (Doing)	
CERTHE05 Identify and undertake further training and develop new skills to support your learning (Being)	
CERTHE06 Identify personal qualities and transferable skills necessary for further study and/or employment (Being)	
DIPHE01 Demonstrate knowledge and application of the concepts and principles of your area(s) of study (Knowing)	
DIPHE02 Demonstrate the application of those principles in an employability and/or professional practice context (Knowing)	
DIPHE03 Identify and use methods of enquiry in the subject(s) and evaluate the appropriateness of different approaches to solving problems in study (Doing)	
DIPHE04 Use a range of new and established techniques to explore and critique data and sources of information, to solve problems within your subject (Doing)	
DIPHE05 Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences (Being)	
DIPHE06 Show personal responsibility and decision-making to developing existing skills and acquire new competences that will enable you to reach your employability goals (Being)	
BHONSN01 Knowing (Knowledge and Understanding): Apply Core Engineering Principles to Complex Problems informed by a critical awareness of new developments and the wider context of engineering.	
BHONSN02 Knowing (Knowledge and Understanding): Evaluate Technical Literature and Data, assessing their relevance and reliability.	
BHONSN03 Doing (Practical Application): Design Civil Engineering Solutions, considering applicable health and safety, environmental, and commercial factors.	
BHONSN04 Doing (Practical Application): Implement Engineering Analysis Techniques to model complex civil engineering problems, discussing the limitations of the techniques employed.	
BHONSN05 Being (Personal and Professional Development): Demonstrate Ethical and Professional Responsibility.	

Learning Outcomes	Modules
BHONSN06 Being (Personal and Professional Development): Commit to Lifelong Learning and Professional Development.	
BHONS01 Knowing (Knowledge and Understanding): Apply Core Engineering Principles to Complex Problems informed by a critical awareness of new developments and the wider context of engineering.	
BHONS02 Knowing (Knowledge and Understanding): Evaluate Technical Literature and Data, assessing their relevance and reliability.	
BHONS03 Doing (Practical Application): Design Civil Engineering Solutions, considering applicable health and safety, environmental, and commercial factors.	
BHONS04 Doing (Practical Application): Implement Engineering Analysis Techniques to model complex civil engineering problems, discussing the limitations of the techniques employed.	
BHONS05 Being (Personal and Professional Development): Demonstrate Ethical and Professional Responsibility.	
BHONS06 Being (Personal and Professional Development): Commit to Lifelong Learning and Professional Development.	

Teaching, Learning & Assessment Strategy/(Learning and Teaching):

On this course, you will be taught in a way that gradually builds your knowledge, skills, and confidence as a civil engineer. You will start with the fundamentals and then move on to more complex topics, helping you develop both technical understanding and practical skills that are valued in industry. The programme is aligned with professional standards, meaning what you learn will support your future career progression towards professional engineering status.

In your first year, you will focus on core subjects such as mathematics, mechanics, and materials, alongside developing essential academic skills. These modules are designed to help you adjust to university-level study, strengthen your problem-solving ability, and prepare you for more advanced learning in later years.

Teaching takes place through a mix of different methods to support a range of learning styles. You will attend lectures to learn key concepts, as well as smaller tutorials where you can ask questions and work through problems in more detail. Practical sessions, such as laboratory work and field activities, will help you apply theory to real engineering situations. You will also take part in group work, allowing you to collaborate with others and develop teamwork skills.

Alongside in-person teaching, you will use online platforms to access learning materials, complete activities, and receive feedback on your work. This blended approach gives you flexibility and helps you take more responsibility for your own learning.

As you progress through the course, you will increasingly apply your knowledge to real-world scenarios through projects, case studies, and design tasks. These activities are often based on industry practice, helping you understand how civil engineering works in a professional context. You will also develop digital skills, including the use of engineering software and data analysis tools, as well as an awareness of sustainability, ethics, and your responsibilities as a future engineer.

Assessment Methods/Assessments:

Assessment within the BEng (Hons) Civil Engineering course, accredited to meet CEng requirements with further learning in accordance with the Accreditation of Higher Education Programmes, 4th edition (AHEP4), is designed to actively support student learning while maintaining a balanced and manageable workload. A diverse range of assessment methods is employed, including technical report writing, presentations, laboratory tasks, tests, online quizzes, specialist design software exercises, and independent research through the Capstone Design Project and Dissertation. This variety enables students to demonstrate achievement of learning outcomes through multiple approaches and supports the progressive development of knowledge and skills across all modules.

Formative activities, staged submissions, in-class exercises, and online quizzes provide early opportunities for practice and feedback. Assessments explicitly foster intellectual skills such as critical thinking, problem-solving, data analysis, and evidence-based argumentation, particularly through design-focused tasks, case studies, laboratory work, and the final-year Capstone Design Project.

Inclusivity and accessibility are embedded through clear briefs, transparent marking criteria, varied formats, and alignment with inclusive assessment principles. Students can personalise their assessment experience through topic and project choices, supporting individual interests and career aspirations. Many assessments reflect real-world engineering practice, reinforcing professional competence and readiness for Incorporated Engineer and Chartered Engineer roles.

Further Information for Student:

The BEng (Hons) Civil Engineering programme is structured to support students from entry through to graduation, embedding academic, personal, and professional development in line with the Accreditation of Higher Education Programmes, 4th edition (AHEP4) requirements and the academic base for CEng status, subject to further learning.

At Level 4, modules such as Succeeding at University – Civil Engineering provide a strong foundation by developing academic writing, numeracy, digital competence, teamwork, and independent learning skills, enabling students to transition effectively into higher education.

Core technical modules, including Engineering Mathematics and Numerical Methods, Engineering Mechanics & Materials, and Surveying and Digital Technologies, integrate scaffolded learning, tutorials, and practical activities to support students from diverse educational backgrounds.

As students progress, formative assessments with structured feedback build confidence and prepare them for more advanced study in modules such as Structural Analysis & Design, Geotechnical Engineering, Transport Systems Planning and Design, and Hydraulics & Water Engineering.

Industry-focused learning is reinforced through Professional Development-Civil Engineering and culminates in the Capstone Design Project and Dissertation, developing professional competence, employability, and real-world problem-solving skills. Continuous student feedback informs course delivery to ensure an inclusive, relevant, and responsive learning experience.

The University provides a wide range of academic and pastoral support to help students succeed in their studies and personal development. This includes access to the Library and Skills for Learning service, student success coaching for students in their early stages, and tailored advice from the Careers and Enterprise teams. Students also benefit from 24/7 wellbeing support through WLV Student Life Connect, pastoral care via the Multi-faith Chaplaincy, and assistance from the Mental Health and Wellbeing team. Those living in university accommodation have additional access to Residential Life support, and all students can engage with the Students' Union for advocacy, societies, and further peer-led services.

Currency:

The BEng (Hons) Civil Engineering course is designed to ensure that its content remains current, relevant, and informed by emerging research, contemporary theories, and industry developments. Module content is regularly reviewed to incorporate advances in sustainable infrastructure, digital design technologies, transportation systems, and asset management, maintaining alignment with professional standards and employer expectations.

Students engage with research throughout the course, starting with research-informed teaching and progressing to independent investigation. Core and specialist modules integrate contemporary case studies, technical literature, and data-driven analysis, while the Capstone Design Project and Dissertation offer structured opportunities for independent research, often drawing on staff expertise and applied industry contexts. This approach develops critical thinking, analytical capability, and evidence-based decision-making.

The course promotes creative and critical engagement with real-world challenges, including sustainability, enterprise, resilience, and social responsibility. These themes are embedded across modules covering design, geotechnical engineering, transport, hydraulics, and infrastructure management. The University's Graduate Attributes are integrated throughout, preparing students to become knowledgeable engineers, professional practitioners, digitally proficient users of modern tools, and responsible global citizens. Interdisciplinary learning, teamwork, and reflective practice further support adaptability and lifelong learning, equipping graduates to meet future challenges in civil engineering.

Personalisation Opportunities:

Personalisation opportunities on this course mean you can shape your learning so it reflects your own goals, interests, and experiences, rather than following a one-size-fits-all approach.

From the start of the programme, you will be encouraged to think about what you want from your degree and future career. You will reflect on your strengths, areas for development, and personal motivations, helping you make informed choices about how you approach your studies. This allows you to connect what you are learning with your own ambitions, whether that is working in design, construction, sustainability, or another area of civil engineering.

Many modules give you flexibility in how you learn and what you focus on. For example, you may be able to choose your own case studies, projects, or real-world problems to investigate. This means you can explore topics that interest you, such as infrastructure in your local area, global engineering challenges, or issues linked to your own background or experiences. You can also bring in examples from work experience or previous study, making your learning more meaningful and relevant.

As you progress, you will have even more independence. In your final year, you will complete a major project where you can select a topic that aligns closely with your career plans or personal interests. This is your opportunity to specialise and showcase your skills in an area you are passionate about.

You will also be supported by tutors and careers guidance to help you make the right choices for your future. Overall, the course is designed to help you take ownership of your learning and develop a clear professional identity.

Employability in the Curriculum/Employability and Professional Development:

Your professional development is supported throughout the course to help you become a confident, employable civil engineering graduate. The programme is designed to reflect current industry practice, meaning you will develop the knowledge, skills, and behaviours that employers are actively looking for.

As you progress through your studies, you will build both technical expertise and transferable skills. You will work on real-world engineering problems, use industry-relevant software, and analyse data to make informed decisions. This helps you develop key employability skills such as problem-solving, communication, teamwork, and critical thinking. You will also explore important topics such as sustainability, climate change, and ethical responsibility, which are increasingly important in modern engineering roles.

Research and independent learning are an important part of your development. Early in the course, you will be introduced to research-informed learning, and by your final year you will complete a major project where you investigate a topic in depth. This experience is highly valued by employers as it shows your ability to manage projects, think independently, and apply your knowledge to complex challenges.

You will also receive support through academic mentoring and careers guidance, helping you identify your strengths and plan your next steps. The course includes opportunities to reflect on your development, build a professional CV, and engage in continuing professional development (CPD), which mirrors the expectations of professional engineers.

A degree in Civil Engineering can lead to a wide range of career paths. Graduates may go on to roles such as structural engineer, geotechnical engineer, transport planner, water engineer, site engineer, or project manager. There are also opportunities in areas such as sustainability, environmental consultancy, and construction management. If you wish to continue your studies, you may progress to a Master's degree, which can support your journey towards Chartered Engineer status. Overall, the course prepares you for both immediate employment and long-term career development in the engineering sector.