

Undergraduate Pathway (Stage 1)

Foundation in Engineering and Built Environment

Duration: 2 semesters

Intakes: January, June & September

The department of Engineering and Built Environment at Anglia Ruskin offers a range of courses which are highly valued by industry and practice.

Course content is current due to the university's close links with employers and professional bodies and by their highly experienced academic staff.

This foundation course has been designed for students who would wish to study one of the following Anglia Ruskin University degree courses:

- **BEng (Hons) Civil Engineering**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)
- **BEng (Hons) Mechanical Engineering**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)
- **BSc (Hons) Building Surveying**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)
- **BSc (Hons) Civil Engineering**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)
- **BSc (Hons) Construction Management**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)
- **BSc (Hons) Quantity Surveying**, Location: Cambridge (stage 1), Chelmsford (stage 2, 3 & 4)

Academic Information

Where your main course begins with stage 1 at CRIC you will do the following modules over two semesters:

MAC100: INTERACTIVE LEARNING SKILLS & COMMUNICATION 2 Module: Skills-based module designed to develop academic skills required for successful HE study. Credits: [15]	Assessment: [70% Coursework – 30% Examination] Contact hours per week: [4]
MAC107: PRINCIPLES OF ICT Module: Skills-based module designed to develop IT skills required for successful HE study. Credits: [15]	Assessment: [60% Coursework – 40% Examination] Contact hours per week: [3]
MAC104: Intercultural Studies Considers how family, education, religion, ethnicity, gender and class influence cultural identity. Credits: [15]	Assessment: [50% Coursework – 50% Examination] Contact hours per week: [4]



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<p>SCI103: Analytical Techniques 3 Fundamentals of calculus, differentiation and integration, trigonometry and matrices. Credits: [15]</p>	<p>Assessment: [30% Coursework – 70% Examination] Contact hours per week: [4]</p>
<p>SCI101: Analytical Techniques 1 Types of numbers, arithmetic operations, indexes and powers, logarithms and algebraic expressions. Credits: [15]</p>	<p>Assessment: [30% Coursework – 70% Coursework] Contact hours per week: [4]</p>
<p>SCI117: Physics 3 Study of fundamental concepts and techniques of mechanics and thermodynamics. Credits: [15]</p>	<p>Assessment: [30% Coursework – 70% Examination] Contact hours per week: [4]</p>
<p>SCI125: ENGINEERING DESIGN 1 Materials, architecture, information technology and manufacturing through historical example and current practice.. Credits: [15]</p>	<p>Assessment: [100% Coursework] Contact hours per week: [4]</p>
<p>MAC103: CRITICAL THINKING Considers analytical approaches to evaluating different forms of information Credits: [15]</p>	<p>Assessment: [50% Coursework – 50% Coursework] Contact hours per week: [4]</p>

You will be required to pass all modules (120 credits) in order to successfully complete the foundation course.



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