

Bucksmore Pre-University Preparation • *Course Description*

Key Facts

Location:

St. Hilda's College

For ages: 15-17

Class Size: 12

Hours per week: 23 hours

Minimum Duration: 2 weeks

Start Dates: 30 June or 14 July 2026

Architecture

Subjects

Architecture

Design & Technology

Engineering

Sustainability

Experience Being Taught at First-Year Undergraduate Level in Oxford

This programme prepares students to excel in their chosen subjects within the highly competitive higher education environment. Students will be taught at a first-year undergraduate level within a prestigious Oxford University.

The Pre-University Architecture, Engineering, and the Built Environment course at Bucksmore prepares students for university-level studies in these fields. Through a combination of theory, practical workshops, and creative projects, students develop essential skills in drawing, model-making, and critical design analysis. The programme mirrors the expectations of architecture courses at UK universities, emphasising creativity, sustainability, and the social role of architecture. Students live on campus and take part in excursions around Oxford and top UK destinations, ensuring a well-rounded learning experience that blends academic study with real-world applications.

For more information on this programme, please follow this link to our dedicated course page: www.bucksmore.com/summer-courses/pre-university-summer-courses/architecture-engineering-built-environment/

Course Features

This pre-university summer course offers students an engaging mix of theoretical insights and practical experiences. Participants will deepen their understanding of design principles and engineering concepts while honing their problem-solving and critical thinking skills. The course fosters communication and teamwork through interactive workshops and projects, preparing students for further studies in the UK. Our course aims to explore the following:

- **Foundations of Design Thinking:** Explore the elements and principles of design, creativity, and sustainability, supported by hands-on 2D and 3D exercises
- **Spatial Awareness and Architectural Principles:** Develop skills in spatial reasoning, form, and function, with practice in architectural drawing and model-making
- **Visual Communication:** Learn key techniques such as orthographic, axonometric, and perspective drawing, alongside methods of critique and presentation
- **Architecture in Context:** Investigate how architecture responds to cultural, social, and environmental challenges, with case studies of iconic buildings
- **Technology and Innovation:** Gain awareness of digital tools and interdisciplinary approaches, including introductions to CAD, BIM, and parametric design concepts

Course Details

Upper Intermediate (B2) English level required.

Fees include: subject tuition, full boarding, all meals, activities and excursions, complimentary airport transfers and insurance.

Course Certificates

Personalised report card,
Bucksmore Certification &
Bucksmore Letter of
Recommendation*

*(available on request)