Computers have become an omnipresent aspect of architectural practice and everyday life. Our new MSc in Bio Digital Architecture will provide students with the skills and know-how to practice architecture at the cutting edge of digital design. Computational skills drive architectural practice today, and after completing this programme, graduates will be able to join leading architecture and design practices, either working directly with design teams or with specialist modelling groups.

The programme is designed to provide students with the theoretical basis of Computer-Aided Architectural Design as an academic discipline, whilst simultaneously teaching the use of the computer for analysis of design problems and a tool for the generation of space and form. Theory and practice are thereby taught in tandem so that students learn theory through application and testing, enabling them to apply this knowledge and understanding in design studio projects.

Why choose this programme?
This MSc differs from other computer-aided architectural design programmes by encouraging an interdisciplinary outlook to architectural design. The programme merges advanced computer-aided design skills with concepts from other fields pertinent, yet traditionally separate, to architecture; such as biology, psychology, computer science and philosophy. By integrating practice and theory students will be better able to think about the role of the computer in architecture and urban design, and approach alternative ways of thinking about space, form and structure to advance architectural knowledge and design practice.

If you are interested in finding out more, please email ksaadmissions@kent.ac.uk

www.kent.ac.uk/architecture

Image: Computational design study by KSA student Edward Sutcliff