

## **Kejuruteraan Struktur**

Bidang pengajian ini melibatkan analisis dan rekabentuk struktur, bahan kejuruteraan awam, kaedah pembinaan dan sistem bangunan industri. Topik penyelidikan spesifik termasuk konkrit prestasi tinggi, bahan pembinaan alternatif, mekanik pengkomputeran, dinamik struktur, respon, analisis, reka bentuk, penaksiran, dan penilaian ketahanan seismik, penambahbaikan struktur, reka bentuk perumahan mampu milik dan penilaian jambatan.

## **Structural Engineering**

This field of study deals with the analysis and design of structures, civil engineering materials, method of construction and industrialised building systems. Specific research topics include high performance concrete, alternative construction materials, computational mechanics, structural dynamics, seismic response, analysis, design, evaluation and vulnerability assessment, retrofitting of structures, affordable housing design, and bridge assessment. □