

# Bachelor of Engineering (Honours) BE(Hons) in Software Engineering

Y1	COMPX101 Introduction to Computer Science	COMPX102 Object-Oriented Programming	ENGEN170 Engineering and Society	ENGEN180 Foundations of Engineering	ENGEN183 Linear Algebra and Statistics for Engineers	ENGEN184 Calculus for Engineers	MATHS135 Discrete Structures	Any SOFTENG1 Paper	
Y2	COMPX203 Computer Systems	COMPX204 Practical Networking and Cyber Security	COMPX223 Database Practice and Experience	COMPX241 Software Engineering Development	COMPX242 Software Engineering Process	COMPX361 Logic and Computation	ENGEN201 Engineering Maths 2	ENGEN270 Engineering Professional Practice 1	ENGEN271 Industry Placement 1
Y3	COMPX301 Problem Solving Using Algorithms	COMPX304 Advanced Networking and Cyber Security	COMPX307 Functional Programming	COMPX324 User Experience Design	COMPX341 Software Engineering Methodology	COMPX374 Software Engineering Project	ENGEN381 Engineering Statistics	ENGEV342 Sustainable Engineering	
Y4	ENGEN570 Engineering Professional Practice 2	ENGEN592 Research and Development Project (45 Points)			COMPX526 COMPX552 or COMPX554	COMPX524 COMPX539 or COMPX548	Any COMPX5 Paper	Any COMPX5 Paper	ENGEN371 Industry Placement 2

Note: Second Year includes ENGEN271: Work Placement 1, and Third Year includes ENGEN371: Work Placement 2, which are compulsory but are 0-point papers.

## Papers (15 points unless stated otherwise)

### SOFTENG1

APHYS111 Applied Physics  
CHEMY100 Chemistry in Context  
CHEMY101 Structure and Spectroscopy  
CHEMY102 Chemical Reactivity

ENGEN110 Engineering Mechanics  
ENGEN111 Electricity and Electronics  
ENGEN112 Materials Science and Engineering

### COMPX5

COMPX526 Engineering Interactive Systems  
COMPX552 Model Checking  
COMPX554 Specification Languages and Models

COMPX524 Topics in Interaction Design  
COMPX539 Usability Engineering  
COMPX548 Developing Mobile Applications

30 points from any 500 level Computer Science papers, subject to approval.