

# Employability Foci

## School of Engineering

Program: BH073 Bachelor of Engineering (Electrical and Electronic Engineering) (Honours)  
 Plan (where applicable):

(Combination of foci of BH071, BH072 and BH075)

To enrol in any of these courses please see the Enrolment Program Structure

EMPLOYABILITY FOCI	COURSES
Power Systems	<ul style="list-style-type: none"> <li>— EEET2106 – Power System Analysis and Control</li> <li>— EEET2380 – Advanced Power Systems</li> <li>— EEET2273 – Protection and High Voltage Engineering</li> <li>— EEET2334 – Renewable Electrical Energy Systems</li> <li>— EEET2384 – Introduction to Electrical Building Design</li> </ul>
Energy Conversion	<ul style="list-style-type: none"> <li>— EEET2274 – Electrical Energy Conversion</li> <li>— EEET2224 – Power Electronic Converters</li> <li>— EEET2386 – Switched Mode Power Supplies</li> <li>— EEET2099 – Variable Speed Drives</li> </ul>
Control Automation	<ul style="list-style-type: none"> <li>— EEET2109 – Control Systems</li> <li>— EEET2100 – Advanced Control Systems</li> <li>— EEET2105 – Industrial Automation</li> <li>— EEET2221 – Real Time Estimation and Control</li> </ul>
Electronics and Systems	<ul style="list-style-type: none"> <li>— EEET2097 – Electronic Circuits</li> <li>— EEET2098 – Electronic Engineering 3</li> <li>— EEET2096 – Embedded System Design and Implementation</li> <li>— EEET2113 – Signals and Systems 2</li> </ul>
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Wireless Communications – Option 1	<ul style="list-style-type: none"> <li>— EEET2113 – Signals and Systems 2</li> <li>— EEET2114 – Wireless and Guided Waves</li> <li>— EEET1416 – Digital Signal Processing for Communication Engineering</li> <li>— EEET1083 – Advanced Mobile and Wireless Systems</li> </ul>
Defence Systems – Option 1	<ul style="list-style-type: none"> <li>— EEET2113 – Signals and Systems 2</li> <li>— EEET2098 – Electronic Engineering 3</li> <li>— EEET1074 – Antennas</li> <li>— EEET2271 – Radar Systems</li> </ul>
Electronic Devices and Systems	<ul style="list-style-type: none"> <li>— EEET2250 – Software Engineering Design (third year)</li> <li>— EEET2096 – Embedded System Design and Implementation</li> <li>— EEET2098 – Electronic Engineering 3</li> <li>— EEET2260 – Electronic Materials</li> <li>— EEET1415 – Circuit and System Simulation</li> </ul>

Electronic Sensors and Controllers	<ul style="list-style-type: none"> <li>— EEET2250 – Software Engineering Design (third year)</li> <li>— EEET2096 – Embedded System Design and Implementation</li> <li>— EEET2098 – Electronic Engineering 3</li> <li>— EEET2394 – Electronic Systems for Automotive Applications</li> <li>— EEET1413 – Sensors and Measurement Technologies</li> </ul>
Digital Signal Processing and Applications	<ul style="list-style-type: none"> <li>— EEET2113 – Signals and Systems 2</li> <li>— EEET1416 – Digital Signal Processing for Communication Engineering</li> <li>— EEET1412 – Audio Engineering</li> <li>— EEET2169 – Image Processing</li> </ul>
Wireless Communications – Option 2	<ul style="list-style-type: none"> <li>— EEET1080 – Satellite Communication Systems Engineering</li> <li>— EEET1083 – Advanced Mobile and Wireless Systems Engineering</li> <li>— EEET1416 – Digital Signal Processing for Communication Engineering</li> <li>— EEET1074 – Antennas</li> </ul>
Defence Systems – Option 2	<ul style="list-style-type: none"> <li>— EEET1074 – Antennas</li> <li>— EEET1416 – Digital Signal Processing for Communication Engineering</li> <li>— EEET2270 – Microwave Circuits</li> <li>— EEET2271 – Radar Systems</li> </ul>
Network Engineering	<ul style="list-style-type: none"> <li>— EEET1086 – Network Access Systems</li> <li>— EEET1089 – Network Services and Internet Applications</li> <li>— EEET2286 – Advanced Network Engineering</li> <li>— EEET2292 – Enterprise and Cloud Networks</li> </ul>
Network Security	<ul style="list-style-type: none"> <li>— EEET1086 – Network Access Systems</li> <li>— EEET1089 – Network Services and Internet Applications</li> <li>— EEET2292 – Enterprise and Cloud Networks</li> <li>— EEET2424 – Computer and Network Security</li> </ul>
Embedded Systems	<ul style="list-style-type: none"> <li>— EEET2250 – Software Engineering Design (third year)</li> <li>— EEET2261 – Computer Architecture and Organisation</li> <li>— EEET2162 – Advanced Digital Design 1</li> <li>— EEET2250 – Software Engineering Design</li> <li>— EEET2424 – Computer and Network Security</li> </ul>
Computer Network Engineering	<ul style="list-style-type: none"> <li>— EEET2292 – Enterprise and Cloud Networks</li> <li>— EEET2294 – Network Management and Software Defined Networks</li> <li>— EEET1086 – Network Access Systems</li> <li>— EEET2370 – Wireless Sensor Networks</li> </ul>
Signal processing	<ul style="list-style-type: none"> <li>— EEET2113 – Signals and Systems 2</li> <li>— EEET1412 – Audio Engineering</li> <li>— EEET1416 – Digital Signal Processing for Communication Engineering</li> <li>— EEET2169 – Image Processing</li> </ul>
Systems Engineering and Applications	<ul style="list-style-type: none"> <li>— EEET2166 – Real Time Systems Engineering</li> <li>— EEET2422 – Mobile Computing</li> <li>— EEET1070 – Optical Fibre Systems and Networks</li> <li>— EEET2394 – Electronic Systems for Automotive Applications</li> </ul>