

Mapping to Engineers Australia Professional Engineering Competencies

BLOOM'S REVISED TAXONOMY
R = Remembering (Knowledge)
U = Understanding (Comprehension)
A = Applying
N = Analysing
E = Evaluating
C = Creating (Synthesis)

Year	Core Topic Code and Name	Sequence
1	ENGR1201 Electronics (4.5 units)	Core
1	ENGR1401 Professional Skills (4.5 units)	Core
1	ENGR1711 Engineering Design (4.5 units)	Core
1	ENGR1721 Engineering Programming (4.5 units)	Core
1	ENGR1722 Engineering Physics and Materials (4.5 units)	Core
1	ENGR1732 Engineering Mechanics (4.5 units)	Core
1	MATH1121 Mathematics 1A (4.5 units)	Core
1	MATH1122 Mathematics 1B (4.5 units)	Core
2	COMP2711 Computer Programming 2 (4.5 units)	Core
2	ENGR2702 Electrical Circuits and Machines (4.5 units)	Core
2	ENGR2711 Engineering Mathematics (4.5 units)	Core
2	ENGR2712 Automation and Industrial Control (4.5 units)	Core
2	ENGR2722 Analysis of Engineering Systems (4.5 units)	Core
2	ENGR2731 Electronic Circuits (4.5 units)	Core
2	ENGR2772 Sensors and Actuators (4.5 units)	Core
2	ENGR2881 Computer Networks (4.5 units)	CNS Major
2	ENGR2791 Electrical Engineering Principles (4.5 units)	Elec Major
2	ENGR2721 Microprocessors (4.5 units)	Electron Major
2	ENGR2861 Electromagnetics and Electromagnetic Waves (4.5 units)	ESS Major
3	ENGR3700 Engineering Practicum (13.5 units)	Aust
3	ENGR3710 International Engineering Practicum (13.5 units)	Int
3	ENGR3704 Project Management for Engineering and Science (4.5 units)	Core
3	ENGR3750 Workplace Preparation (0 units)	Core
3	COMP3781 Cybersecurity (4.5 units)	CNS Major
3	ENGR3701 Computer Organisation and Design (4.5 units)	CNS Major
3	ENGR3721 Signal Processing (4.5 units)	CNS Major
3	ENGR3731 Communication Systems (4.5 units)	CNS Major
3	ENGR2861 Electromagnetics and Electromagnetic Waves (4.5 units)	Elec Major
3	ENGR3711 Control Systems (4.5 units)	Elec Major
3	ENGR3861 Electrical Energy Systems (4.5 units)	Elec Major
3	ENGR7821 Electrical Power Systems (4.5 units)	Elec Major
3	ENGR3701 Computer Organisation and Design (4.5 units)	Electron Major
3	ENGR3711 Control Systems (4.5 units)	Electron Major
3	ENGR3721 Signal Processing (4.5 units)	Electron Major
3	ENGR3731 Communication Systems (4.5 units)	Electron Major
3	ENGR3721 Signal Processing (4.5 units)	ESS Major
3	ENGR3731 Communication Systems (4.5 units)	ESS Major
3	ENGR3891 Electromagnetic Technologies, Systems and Security (4.5 uni	ESS Major
4	ENGR7700 Honours Thesis (18 units)	Core
4	ENGR7762 Renewable Energy Systems (4.5 units)	Elec
4	ENGR3821 Network Engineering (4.5 units)	CNS Major
4	ENGR7731 Computer Architecture (4.5 units)	CNS Major
4	ENGR7851 Advanced Electronic Design (4.5 units)	Electron Major
4	ENGR7782 Systems and Security in the Information Age (4.5 units)	ESS Major
4	ENGR9742 Systems Engineering (4.5 units)	Core
Count of Topics for which PE satisfied		Core CNS Major Elec Major Electron Major ESS Major Aust Int
		Worst Case Coverage