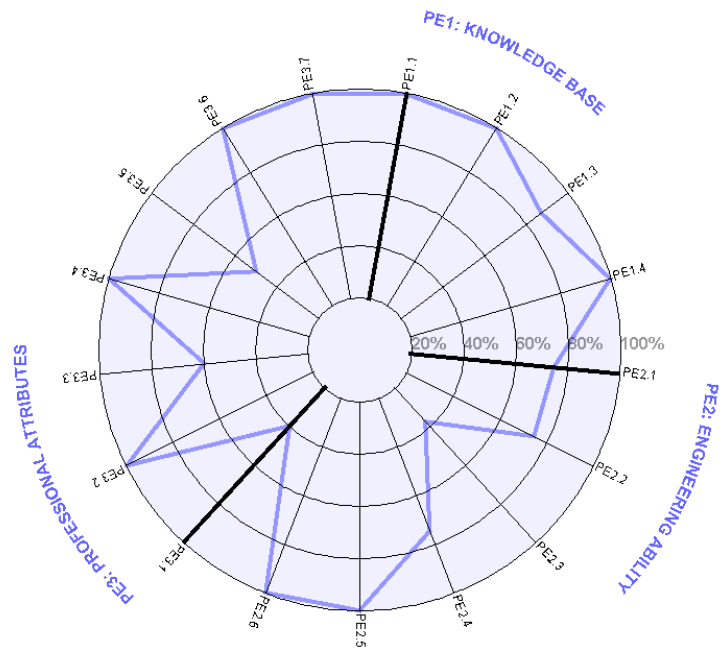


CCmapper models are built on hierarchally structured competency frameworks that allow analyses to be structured using a top-down or bottom-up approaches. The models contain the formal competency framework specification, the data representing the target requirements as well as the assessment data for courses, positions or individuals as required.

Competency assessments can be formally linked to courses and/or episode reports to facilitate auditing and tracing of assessment data to and from their source.

CCmapper can be configured for a range of tasks, including:

- Assessing a course for professional accreditation.
- Assessing an applicant’s experience for professional accreditation.
- Comparing professional benchmarks.
- Comparing training or educational programs across institutions.
- Comparing individuals for capability.
- Building assessment models from experts.
- Profiling organizational capability.



A compliance chart showing how a course complies with the required accreditation standards.

CCmap Planning Chart: Default

	Foundation Science & Engineering	Engineering Technology	Professional & Personal				
Year 1	MAT1236: Calculus 1	ENS1162: Electrical Engineers 1A	ENM1102: Engineering Drawing and Computer Aided Design	ENS1154: Introduction to Engineering			
	MAT1163: Linear Algebra	SCP1111: Physics of Motion	ENS1253: Electrical Engineers 1-B	ENS2110: Materials and Manufacturing 2			
Year 2	MAT2236: Differential Equations	CSP1150: Programming Principles	ENM2104: Instrumentation and Measurement	ENM2210: Engineering Mechanics			
		ENS2259: Thermodynamics	ENS1115: Materials and Manufacturing 1	ENS2260: Surveying and Site Measurement	ENS2159: Engineering Innovation and Ethics		
Year 3		ENS3180: Finite Element Methods	ENS3154: Construction Management	ENM3218: Fluid Mechanics	ENS3242: Soil Mechanics and Foundation Engineering		
		Elective 1: Elective	ENS3243: Structural Analysis	ENS3244: Concrete Design	ENS3245: Steel Design		
Year 4		Elective 2: Elective	ENS4105: Construction Site Management	ENS4250: Construction Technology	ENS4152: Project Development		
			ENS4365: Road Engineering	ENS4549: Water Supply Engineering	ENS4253: Engineering Project	ENS4543: Engineering Management	

■ Basic Knowledge and Skill
■ Engineering Application
■ Discipline Specific
■ Professional & Personal

For curriculum planning **CCmapper** provides support to assist in the detailed organisation of units within a course. Units can be categorised by their content types and also their contribution to the required competencies.

CCmapper is written in Java and will run on any platform (e.g. Windows, Linux, Apple) with a suitable Java Runtime Environment (JRE6 or later) installed. Databases can be accessed and shared from networked web-servers. **Licenses** are available for individuals and multiple-workstation organizations.

Detailed assessments are made for each competency elements for each contributing source and for a nominated domain. Assessment levels are characterised by descriptors tailored for the application domain.

The developers: Dr Geoff Roy and Dr Jocelyn Armarego. **Dr Roy** has had many years of experiences in the design, development and implementation of Engineering curricula and courses, and their passage through accreditation processes with Engineers Australia. **Dr Armarego** has a special interest in educational processes, assessment and curriculum design in both IT and Engineering discipline areas and in the assessment of work experience for professional accreditation.

For more information: contact Dr Geoff Roy: geoff@cadplan.com.au.

