

(Reference material)

GAs and PCs specified by the International Engineering Alliance (IEA)

GA (Graduate Attributes)

1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Investigation
5. Tool usage
6. The engineer and the world
7. Ethics
8. Individual and collaborative teamwork
9. Communication
10. Project management and finance
11. Lifelong learning

PC (Professional Competencies)

1. Comprehend and apply universal knowledge
2. Comprehend and apply local knowledge
3. Problem analysis
4. Design and development of solutions
5. Evaluation
6. Protection of society
7. Legal, regulatory, and cultural
8. Ethics
9. Manage engineering activities
10. Communication and collaboration
11. Continuing Professional Development (CPD) and lifelong learning
12. Judgement
13. Responsibility for decisions

Source: Details on the Translation of Graduate Attributes and Professional Competencies

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IEA GA & PC Translation WG, Tuning Test Item Bank, National Institute for Educational Policy Research
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