

### The Tuning Test Item Bank Competence Framework

Engineering Generic Skills	【EGS】 The ability to use diverse methods to communicate effectively with the engineering community and with society at large.
Basic and Engineering Sciences	【BES】 The ability to demonstrate a systematic understanding of the key aspects and concepts of their branch of engineering.
Engineering Analysis	【EA1】 The ability to apply their knowledge and understanding to identify, formulate and solve engineering problems using established methods.
	【EA2】 The ability to apply knowledge and understanding to analyse engineering products, processes and methods.
Engineering Design	【ED】 The ability to apply their knowledge and understanding to develop designs to meet defined and specified requirements.
Engineering Practice	【EP-Integration】 Ability to select, integrate, and utilize applicable theories and methods and their constraints to solve engineering problems.。
	【EP-Ethics】 The ability to demonstrate understanding of the health, safety and legal issues and responsibilities of engineering practice, the impact of engineering solutions in a societal and environmental context, and commit to professional ethics, responsibilities and norms of engineering practice.
	【EP-Management】 The ability to demonstrate knowledge of project management and business practices, such as risk and change management, and be aware of their limitations.