

CALOHEA Qualifications Reference Framework for ASEAN Higher Education Programmes in the Subject Area of Civil Engineering

DOMAIN/ DIMENSION	The knowledge that a civil engineering graduate needs to acquire in order to perform the expected skills	Skills that a civil engineering graduate must develop to perform the expected responsibilities	The ultimate expectation from a civil engineer as an individual and as a professional
	KNOWLEDGE	SKILLS	RESPONSIBILITY
1. LEARNING AND DEVELOPMENT	Demonstrate the competency in the acquired knowledge required for a civil engineering graduate to be able to perform expected responsibilities as a civil engineer	Able to apply the acquired knowledge with required skills, when performing the expected responsibilities as a civil engineer	Ready to perform all expected responsibilities as a civil engineer with sound knowledge and skills
2. INVESTIGATIVE TOWARDS SOLUTION	Demonstrate the competency in the knowledge required for investigative work to solve complex civil engineering problems	Able to identify and analyse problems as well as to provide design solutions for complex civil engineering problems using suitable tools or approaches	Able to carry out investigative works toward solving complex and civil engineering problems and situations
3. SERVING THE SOCIETY	Demonstrate the competency in knowledge needed to make appropriate decisions for practices in civil engineering	Able to apply knowledge and demonstrate skills in making decisions when practicing civil engineering with considerations of societal, sustainability, and ethical aspects	Ready to serve the society by performing responsibilities as a competent, ethical, and professional civil engineer through

			sound management principles, and by upholding sustainability values
4. ABILITIES AND PERSONALITY	Demonstrate the competency in knowledge to build the ability and character needed for an effective and versatile civil engineer	Ability to apply the knowledge into practices to build the required character as an effective and versatile civil engineer	Possess the necessary abilities and character to function as an effective and versatile civil engineer

For CALOHEA Assessment Reference Framework for ASEAN Higher Education Programmes in the Subject Area of Civil Engineering – with sub-domains/sub-dimensions and their descriptors – please consult the CALOHEA project website, the members of the CALOHEA Civil Engineering Subject Area Group, or the ASEAN University Network Secretariat.