

Benchmarking Matrix for Architecture Program Learning Outcomes

No.	Program Learning Outcomes (PLOs)	National Qualifications Framework (Decision 1982)	Architecture Law 2019	NAAB (USA)	NCARB Competency Standard (USA)
		• Possess comprehensive and in-depth knowledge, including both theoretical and practical aspects, enabling learners to master specialized knowledge in architecture and related disciplines. • Analyze, discuss, and process information and data in a scientific and creative manner. • Conduct research and innovation while appropriately applying specialized technologies. • Communicate professional knowledge effectively and adapt to evolving professional contexts.	The competency assessment content for obtaining an architectural practice certificate includes: a) Professional experience in architecture; b) Legal knowledge related to professional practice; c) Specialized knowledge in architecture; d) Knowledge of professional codes of conduct for practicing architects.	• Graduation from an accredited undergraduate architecture program with a minimum duration of five years. • Compliance with ethical standards: Individuals must comply with professional codes of ethics and must not have criminal records or prior convictions involving serious professional ethical violations. • Continuing Professional Development (CPD): Individuals are required to fulfill continuing professional development requirements in accordance with national regulations.	A minimum of 150 semester credit hours of academic study is required, grouped into six subject areas: • Liberal Arts • History, Theory, and Human Behavior • Design Synthesis • Building Technology • Professional Practice • Electives
1	PLO1. Learners are able to apply integrated knowledge of architectural theory, engineering, technology and environment to analyze and effectively solve practical issues in	Meets	Meets	Meets	Meets

	architectural design and development.				
2	PLO2. Learners are able to design architectural works satisfying aesthetic, functional, technical and socio-cultural requirements appropriate to specific contexts.	Meets	Meets	Meets	Meets
3	PLO3. Learners demonstrate professional ethics and social responsibility in architectural practice while integrating humanistic, safety, public health and legal factors into design.	Strongly meets	Strongly meets	Meets	Meets
4	PLO4. Learners develop critical and creative thinking to analyze, evaluate and make design decisions in multidimensional architectural contexts.	Strongly meets	Meets	Meets	Meets
5	PLO5. Learners apply systems thinking and innovation capability to propose advanced, sustainable design solutions with positive social impacts.	Strongly meets	Strongly meets	Meets	Meets

6	PLO6. Learners are proficient in design software, digital technologies and AI to improve efficiency in architectural design and project management.	Strongly meets	Strongly meets	Strongly meets	Meets
7	PLO7. Learners can independently conduct architectural research and propose innovative design solutions based on scientific findings and user needs.	Meets	Meets	Meets	Meets
8	PLO8. Learners communicate design ideas clearly using graphics, digital tools and models and communicate effectively with communities, clients and multidisciplinary teams.	Meets	Meets	Meets	Meets
9	PLO9. Learners demonstrate lifelong learning capability and adaptability to technological, social and professional changes in the digital and global era.	Strongly meets	Strongly meets	Strongly meets	Meets