

Curriculum

Admission year : after 2023

Major of Architecture Engineering

Category		Grade 1				Grade 2				Grade 3				Grade 4			
		Semesters 1		Semesters 2		Semesters 1		Semesters 2		Semesters 1		Semesters 2		Semesters 1		Semesters 2	
		Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	학점	Course title	CR
Basic Culture	Culture requirment	Calculus(1)	3	Calculus(1)	3	College English conversation 1	1	College English conversation 2	1					* Completion of at least 30 but not more than 55 credits in general education			
		Theory And Practice Of Writing	2	Academic English	2												
	Fundament al science	Computational Thinking and SW	2	Physics(1)	3	Physics(1)	3	Computer Programming	3								
						Engineering Mathematics	3										
Core Culture		Completion of at least 3 subjects out of 6 core liberal arts areas (INU seminar, humanities, social studies, science and technology, arts and physical education, foreign language) *2019~2022 school year: Completion of at least 1 subject each from 3 core areas of INU															
Deepening Culture		Free completion of five areas of advanced liberal arts (humanities, social studies, science and technology, arts and physical education, foreign languages).															
Basic Major		Self – Design Seminar I	1	Digital Representation in Architecture	3												
		Architectural Design Basics 1	3(6)	Architectural Design Basics 2	3(6)												
Major Core				Building Systems & Science	3	Structural Mechanics	3	Mechanics Of Materials	3	Reinforced Concrete Structure 1	3			Construction Documents	3(6)	Architectural Engineering Capstone Design	3(6)
						Execution Of Building Works	3	Construction Management	3	Construction Cost Management	3						
						Environmental Planning In Architecture(1)	3			Building Equipment(1)	3						
Major Deepening		Introduction To Architecture	3			Execution Of Building Works Architectural And Environmental Experiments (1)	3(6)	Environmental Planning In Architecture (2) Architectural And Environmental Experiments (1) Smart Construction Technologies	3(6)	Analysis Of Indeterminate Structures	3	Steel Structure 1	3	Steel Structure 2	3	Soil Mechanics and Foundation Engineering	3
										Structural Experiment (1)	3(6)	Reinforced Concrete Structure 2	3	Structural Engineering Design in Practice	3	Maintenance and Repair of Building Structures	3
										Architectural and Environmental System Design	3	Structural Experiment(2)	3(6)	Building Codes and Claim Management	3	Building Equipment for Sustainable Architecture(2)	3
										BIM-based construction Information management	3	Architectural Data Analytics and Applications	3	Building Equipment for Sustainable Architecture(1)	3	Professional Practice for Sustainable Building Equipment	3
										Building Equipment(2)	3						

※ Red marking : Major requirement courses for students admitted before the 2022 academic year among Major Deepening courses

○ Architectural Engineering Major Advanced Track Composition Status

		Grade 1				Grade 2				Grade 3				Grade 4			
		Semesters 1		Semesters 2		Semesters 1		Semesters 2		Semesters 1		Semesters 2		Semesters 1		Semesters 2	
		Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR	Course title	CR
Basic Major		Self - Design Seminar I	1	Digital Representation in Architecture	3												
		Architectural Design Basics 1	3(6)	Architectural Design Basics 2	3(6)												
Major Core				Building Systems & Science	3	Structural Mechanics	3	Mechanics Of Materials	3	Reinforced Concrete Structure 1	3			Construction Documents	3(6)	Architectural Engineering Capstone Design	3(6)
						Execution Of Building Works	3	Constuction Management	3	Construction Cost Management	3						
						Environmental Planning In Architecture(1)	3			Building Equipment(1)	3						
Core Culture		- Common Track : Completion of at least 30 credits from all major advanced courses (Basic Major + Major Core + Major Advanced: 73 credits) - Track completion: Complete 30 credits of major advanced courses + Complete at least 12 additional major advanced courses for each track (Basic Major + Major Core + Major Advanced + Track Completion Courses: 85 credits)															
Major Deepening	Architectural Structure Material track					Building Materials	3			Analysis Of Indeterminate Structures	3	Steel Structure 1	3	Steel Structure 2	3	Soil Mechanics and Foundation Engineering	3
										Structural Experiment(1)	3(6)	Reinforced Concrete Structure 2	3	Structural Engineering Design in Practice	3	Maintenance and Repair of Building Structures	3
										Structural Experiment(2)	3(6)						
Major Deepening	Digital Construction Management Track							Smart Construction Technologies	3	BIM-based construction Information management	3	Architectural Data Analytics and Applications	3	Building Codes and Claim Management	3		
												Construction Economics	3				
Major Deepening	Architectural environment and facility track					Architectural And Environmental Experiments (1)	3(6)	Enviromental Planning Architecture(2)	3	Archtical and Enviromental System Design	3	Building Equipment(2)	3	Building Equipment for Sustainable Architecture(1)	3	Building Equipment for Sustainable Architecture(2)	3
						Architectural And Environmental Experiments(2)	3(6)							Professional Practice for Sustainable Building Equipment			
		Introduction To Architecture	3														

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