

Department of Civil Engineering and Geomatics

Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program	Dual Bachelor’ s Degree Program		
Group	None		
Class Type	International Industrial Talent Education Program (New-Type Program)		
Special Program	None		
Curriculum Committee	Department Curriculum	115.02.23	
	College Curriculum	115.05.19	
	University Curriculum	115.06.01	
	Academic Affairs	115.06.01	
Graduation Credits /Study Duration	At least 64 credits required (normally 2 years).		
Credit Load per Semester	Students in Grades 3 and 4 are required to take a minimum of 9 credits and a maximum of 25 credits per semester.		
Required and Elective	Credits	Subject Category	Credits
Required	42.00 Credits	General Education	9.00 Credits
		Major Required	33.00 Credits
		College Major	0.00 Credits
Elective	22.00 Credits	General Education Liberal Arts Elective	0.00 Credits
		Major Elective	22.00 Credits
		College professional selective courses	0.00 Credits
Graduation	Course Title	Description	Regulations/Notes
Practical Project	Practical Project	According to the regulations of each department	1.Regulations for the Implementation of “Practical Projects, Special Projects, Research Projects, and Graduation Design” 2.Regulations of Each Department
Practical Project	Practical Project	According to the regulations of each department	1.Regulations for the Implementation of “Practical Projects, Special Projects, Research Projects, and Graduation Design” 2.Regulations of Each Department
Off-campus internship	In accordance with the regulations of each department	In accordance with the regulations of each department	In accordance with the University’ s Regulations for Student Off-Campus Internships and the relevant regulations of each department
Off-campus internship	In accordance with the regulations of each department	In accordance with the regulations of each department	In accordance with the University’ s Regulations for Student Off-Campus Internships and the relevant regulations of each department

Off-campus internship	In accordance with the regulations of each department	In accordance with the regulations of each department				In accordance with the University' s Regulations for Student Off-Campus Internships and the relevant regulations of each department			
Other Regulations									
Remarks		"Computer Course" means computer access is required (computer and internet usage fee). Graduation Requirements : 「G04」 : Practical Project 「G04」 : Practical Project 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship							
First Semester, Third Year					Second Semester, Third Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
General Education	W99135	Basic Chinese (1)	5/10		General Education	W99235	Basic Chinese (2)	4/4	
Major Required	W35A01	Methods of Civil Engineering	3/3		Major Required	W35A03	Foundation Construction	3/3	
Major Required	W35A02	Construction Estimation	3/3		Major Required	W35A04	Construction Management	3/3	
Major Elective	W35N01	Bridge construction modeling	3/3	Computer Course	Major Elective	W35N07	Structural Steel Desgin	3/3	
Major Elective	W35N02	Channel drainage	3/3		Major Elective	W35N05	Engineering Geology	2/2	
Major Elective	W35N03	Geographic Information System	3/3	Computer Course	Major Elective	W35N06	Building Information Model	3/3	Computer Course
Major Elective	W35N04	Soil Mechanics and Testing	3/3		Major Elective	W35N08	Concrete Technology of Construction	3/3	
					Major Elective	W35N09	Computer Application in Engineering	3/3	Computer Course
23 Credits, 28 Hours					24 Credits, 24 Hours				
First Semester, Fourth Year					Second Semester, Fourth Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Required	W35A05	Semester Off-Campus Internship (1)	9/9	G06	Major Required	W35A07	Semester Off-Campus Internship (2)	9/9	G06
Major Required	W35A08	Field Practice	3/3	G06	Major Elective	W35N11	Practical Project (2)	3/3	G04
Major Elective	W35N10	Practical Project (1)	3/3	G04	Major Elective	W99435	Advanced Chinese (2)	2/2	
Major Elective	W99335	Advanced Chinese (1)	2/2						
17 Credits, 17 Hours					14 Credits, 14 Hours				