

**Graduate Programs of Civil and Construction Engineering
Department of Civil and Construction Engineering, YunTech**

**Course List for International Students
(Major in either Structural Engineering or Geotechnical Engineering)**

Course List (Lecture hours - Laboratory hours - Credit)				2025.4.16
1 st year		2 nd year		
1 st semester	2 nd semester	1 st semester	2 nd semester	
Required Courses (Total 6 credits)				
		Master Thesis 3-0-3	Master Thesis 3-0-3	
Elective Courses (Refer to Notes below)				
Independent Study (I) 0-2-2	Independent Study (II) 0-2-2			
Dynamic Analysis of Structures 3-0-3	Measurement and Identification for Structural Systems 3-0-3	Computer Applications in Structural Engineering 3-0-3		
Concrete Member Behavior 3-0-3	Stability of Structures 3-0-3			
Asphalt Concrete and Mix Design 3-0-3				
Advanced Soil Mechanics 3-0-3	Advanced Foundation Engineering 3-0-3	Applied Geotechnical Engineering 3-0-3		
Numerical Methods in Geotechnical Engineering 3-0-3	Special Topics in Ground Modification 3-0-3	Landslip analysis theories and practices 3-0-3	Geophysical Methods 3-0-3	
	Applied Rock Mechanics 3-0-3			

Notes: (for international students only and their major in either Structural Engineering or Geotechnical Engineering)

1. Graduate requirements: a minimum of 34 credits, including 6 credits of requirement courses and 28 credits of elective courses (including Independent Study (I) (II)).
2. For research and thesis purposes, students can take courses offered by other departments with the permission of their thesis advisors. A maximum of 9 credits (excluding credits obtained from Graduate Programs of Civil and Construction Engineering) are recognized as the credit requirements for graduation.

Department of Civil and Construction Engineering, YunTech

Course List for International Students
(Major in Construction Engineering and Project Management)

Course List (Lecture hours - Laboratory hours - Credit) 2025.4.16

1 st year		2 nd year	
1 st semester	2 nd semester	1 st semester	2 nd semester
Required Courses (Total 6 credits)		Master Thesis 3-0-3	Master Thesis 3-0-3
Elective Courses			
Independent Study (I) 0-2-2	Independent Study (II) 0-2-2		
Management Science 3-0-3	Real Estate Investment 3-0-3	Facility Maintenance and Management 3-0-3	
Value Management 3-0-3	Management Economics 3-0-3	Decision Analysis and Risk Management 3-0-3	
Econometrics (I) 3-0-3	International Conflict Management & Negotiation Strategy 3-0-3		
	Applied Statistics 3-0-3		

Notes: (for international students only and their major in Construction Engineering and Project Management)

1. Graduate requirements: a minimum of 34 credits, including 6 credits of requirement courses and 28 credits of elective courses (including Independent Study (I) (II)).
2. Following four courses are parts of elective courses of this program: Econometrics (I), and Management Economics offered by Department of Finance, International Conflict Management & Negotiation Strategy offered by Department of Business Administration, and Applied Statistics offered by Department of Applied Foreign Languages.
3. For research and thesis purposes, students can take courses offered by other departments with the permission of their thesis advisors. A maximum 12 credits (excluding credits obtained from Graduate Programs of Civil and Construction Engineering) are recognized as credits requirement for graduation.