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) 2026.9.16

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd 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	Independent Study (III) 0-2-2	Independent Study (IV) 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	Seismic Evaluation and Retrofitting for Structures 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	Applied Rock Mechanics 3-0-3	Landslip analysis theories and practices 3-0-3	Advanced Geotechnical Engineering Testing 3-0-3
	Special Topics of Ground Improvement 3-0-3		Geophysical Methods 3-0-3

Notes: (for international students only and for those majoring 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 Management)

Course List (Lecture hours - Laboratory hours - Credit) 2026.9.16

1st year		2nd year	
1st semester	2nd semester	1st semester	2nd 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	Independent Study (III) 0-2-2	Independent Study (IV) 0-2-2
Value Management 3-0-3	Artificial Intelligence Application in Management 3-0-3	Facility Maintenance and Management 3-0-3	Decision Analysis and Risk Management 3-0-3
Management Science 3-0-3	Real Estate Investment 3-0-3		

Notes: (for international students only and for those majoring in Construction 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. 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. The following courses offered by other departments are provided for consideration: Econometrics (I), and Management Economics offered by Department of Finance; International Conflict Management & Negotiation Strategy offered by Department of Business Administration; Applied Statistics offered by Department of Applied Foreign Languages; and Applied Statistical Analysis offered by Graduate School of Engineering Science and Technology.