

Table of Course Credits and Contact Hours, Undergraduate Taler

Kunming University

Merged-Credit Version

Prepared from the English training program, Version V202201 (revised March 2026). English course names in this document follow

Semester rule: a course assigned to one semester shows its total Chinese credit in that semester. Where the training program groups corresponding semester cells are merged and the course's total Chinese credit is shown once; no equal allocation is assumed.

★ denotes professional core courses. All Extension Elective Course options in the training program are listed; the minimum is 4

Architectural Engineering

Course Category						
General Education Compulsory Courses						
General Education Elective Courses						
Discipline-based Foundation Courses						
Professional Compulsory Courses						
Extension Elective Courses (minimum requirement)						
Practical Education						
Total						
Course Name	Chinese Credit	Contact Hours	Self-study Hours	Total Hours	ECTS	Semester 1
General Education Compulsory Courses						
Ideological, Moral and Rule of Law	3	48	27	75	3	3
An Overview of Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era	3	48	27	75	3	3
Introduction to the Community of the Chinese Nation	2	32	18	50	2	2
National Security Education	1	16	9	25	1	1
Fundamentals of Information Science and Artificial Intelligence	2	48	30	78	3	2
Outline of Modern Chinese History	3	48	27	75	3	
Basic Principles of Marxism	3	48	27	75	3	
Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	3	48	27	75	3	
Current Affairs and Policies	2	64	36	100	4	
College English	12	192	108	300	12	
College Sports	4	128	0	128	4	
Mental Health Education for College Students	2	32	18	50	2	
Career Development and Employment & Entrepreneurship Guidance	2.5	32	38	70	2.5	
Military Theory	2	36	16	52	2	2
Military Skills (Training)	2	168	0	168	6	2
General Education Elective Courses						
General Classes	2	32	18	50	2	
Innovation & Entrepreneurship Classes	2	32	18	50	2	
Public Art Classes	2	32	18	50	2	
Sports & Health Classes	2	32	18	50	2	
College Chinese (Compulsory)	2	32	18	50	2	
Second Classroom	2	32	18	50	2	
Discipline-based Foundation Courses						
Advanced Mathematics B (1)	6	96	84	180	6	6
Introduction to Civil Engineering	1	16	14	30	1	1
Inorganic and Analytical Chemistry	3	48	42	90	3	
Advanced Mathematics B (2)	4	64	56	120	4	
College Physics (Mechanics + Thermodynamics)	4	64	56	120	4	
Linear Algebra B	2	32	28	60	2	
Descriptive Geometry	2	32	28	60	2	
Theoretical Mechanics	4	64	56	120	4	
Probability Theory and Mathematical Statistics C	2	32	28	60	2	
Civil Engineering Drawing	2	32	28	60	2	

Engineering Materials	2	32	28	60	2
Mechanics of Materials	4	64	56	120	4
Engineering Surveying	3	48	42	90	3
Soil Mechanics	2	32	28	60	2
Structural Mechanics A	4	64	56	120	4
Building Architecture	3	48	42	90	3
Fluid Mechanics	2	32	28	60	2
Professional Compulsory Courses					
★ Principles of Concrete Structure Design	3	48	42	90	3
★ Principles of Steel Structure Design	3	48	42	90	3
★ Concrete Structure Design	3	48	42	90	3
★ Steel Structure Design	3	48	42	90	3
★ Seismic Design of Building Structures and Smart Disaster Prevention (EEE)	3	48	42	90	3
★ High-rise Building Structure Design	2	32	28	60	2
★ Civil Engineering Construction Technology and Organization	4	64	56	120	4
Extension Elective Courses (all options listed; minimum 4 credits)					
Computer Programming	2	32	28	60	2
Engineering Geology and Hydrogeology	2	32	28	60	2
Engineering Ethics	1	16	14	30	1
Engineering Environmental Science	1	16	14	30	1
Engineering Economics	1	16	14	30	1
Foundation Engineering	2	32	28	60	2
Structural Mechanics B	2	32	28	60	2
Engineering Load and Structural Design Methods	2	32	28	60	2
Foundation Pit Support	2	32	28	60	2
Building Engineering Measurement and Valuation	2	32	28	60	2
Prefabricated Building Construction Technology	2	32	28	60	2
Engineering Structure Testing	2	32	28	60	2
Smart Construction (EEE)	2	32	28	60	2
Advanced Comprehensive Knowledge of Civil and Hydraulic Engineering	2	32	28	60	2
Smart Detection of Engineering Structures	1	16	14	30	1
Engineering Project Management	2	32	28	60	2
Engineering Supervision Theory	2	32	28	60	2
Construction Regulations	2	32	28	60	2
Green Building and Sustainable Development	1	16	14	30	1
Professional English for Civil Engineering	2	32	28	60	2
Practical Education					
Labor	1	28	0	28	1
Thematic Practice of Core Socialist Values	1	16	12	28	1
Inorganic and Analytical Chemistry Laboratory	1.5	24	18	42	1.5
Structural Model Making	1	16	12	28	1
Engineering Structure Testing Practical Training	1	32	24	56	2
College Physics Laboratory	1	16	12	28	1
Engineering Geology and Hydrogeology Practical Training	0.5	16	12	28	1
Engineering Materials Laboratory	1	32	24	56	2
Engineering Surveying Practical Training	1	32	24	56	2
Mechanics of Materials Laboratory	1	16	12	28	1
Soil Mechanics Laboratory	1	16	12	28	1
Fluid Mechanics Laboratory	1	16	12	28	1
Building Architecture Course Design	1	32	24	56	2
Foundation Engineering Course Design	0.5	16	12	28	1
Civil Engineering Construction Technology and Organization Course Design	1	32	24	56	2
Building Engineering Measurement and Valuation Course Design	1	32	24	56	2
Construction Drawing Interpretation	1	32	24	56	2
Steel Structure Course Design	1	32	24	56	2

Concrete Structure Design Course Design	1	32	24	56	2
BIM Software Learning	1	32	24	56	2
Application of Architectural Structure Design Software	2	64	48	112	4
Engineering Drawing	1	16	12	28	1
Familiarization Internship	1	32	24	56	2
Production Internship	2	64	48	112	4
Graduation Internship	2	64	48	112	4
Graduation Project (Thesis)	7	224	168	392	14

Graduation requirement: 168 Chinese credits, 200 ECTS, and 5,612 hours of total student workload.

Road and Bridge Engineering

Course Category						
General Education Compulsory Courses						
General Education Elective Courses						
Discipline-based Foundation Courses						
Professional Compulsory Courses						
Extension Elective Courses (minimum requirement)						
Practical Education						
Total						

Course Name	Chinese Credit	Contact Hours	Self-study Hours	Total Hours	ECTS	Semester 1
General Education Compulsory Courses						
Ideological, Moral and Rule of Law	3	48	27	75	3	3
An Overview of Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era	3	48	27	75	3	3
Introduction to the Community of the Chinese Nation	2	32	18	50	2	2
National Security Education	1	16	9	25	1	1
Fundamentals of Information Science and Artificial Intelligence	2	48	30	78	3	2
Outline of Modern Chinese History	3	48	27	75	3	
Basic Principles of Marxism	3	48	27	75	3	
Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	3	48	27	75	3	
Current Affairs and Policies	2	64	36	100	4	
College English	12	192	108	300	12	
College Sports	4	128	0	128	4	
Mental Health Education for College Students	2	32	18	50	2	
Career Development and Employment & Entrepreneurship Guidance	2.5	32	38	70	2.5	
Military Theory	2	36	16	52	2	2
Military Skills (Training)	2	168	0	168	6	2
General Education Elective Courses						
General Classes	2	32	18	50	2	
Innovation & Entrepreneurship Classes	2	32	18	50	2	
Public Art Classes	2	32	18	50	2	
Sports & Health Classes	2	32	18	50	2	
College Chinese (Compulsory)	2	32	18	50	2	
Second Classroom	2	32	18	50	2	
Discipline-based Foundation Courses						
Advanced Mathematics B (1)	6	96	84	180	6	6
Introduction to Civil Engineering	1	16	14	30	1	1
Inorganic and Analytical Chemistry	3	48	42	90	3	
Advanced Mathematics B (2)	4	64	56	120	4	
College Physics (Mechanics + Thermodynamics)	4	64	56	120	4	
Linear Algebra B	2	32	28	60	2	
Descriptive Geometry	2	32	28	60	2	
Theoretical Mechanics	4	64	56	120	4	
Probability Theory and Mathematical Statistics C	2	32	28	60	2	

Civil Engineering Drawing	2	32	28	60	2
Engineering Materials	2	32	28	60	2
Mechanics of Materials	4	64	56	120	4
Engineering Surveying	3	48	42	90	3
Soil Mechanics	2	32	28	60	2
Structural Mechanics A	4	64	56	120	4
Building Architecture	3	48	42	90	3
Fluid Mechanics	2	32	28	60	2
Professional Compulsory Courses					
★ Road Survey and Design	3	48	42	90	3
★ Principles of Concrete Structure Design	3	48	42	90	3
★ Principles of Steel Structure Design	3	48	42	90	3
★ Roadbed and Pavement Engineering	3	48	42	90	3
★ Tunnel Engineering	2	32	28	60	2
★ Bridge Engineering	4	64	56	120	4
★ Civil Engineering Construction Technology and Organization	4	64	56	120	4
Extension Elective Courses (all options listed; minimum 3 credits)					
Computer Programming	2	32	28	60	2
Engineering Geology and Hydrogeology	2	32	28	60	2
Engineering Ethics	1	16	14	30	1
Engineering Environmental Science	1	16	14	30	1
Engineering Economics	1	16	14	30	1
Foundation Engineering	2	32	28	60	2
Hydrology of Bridge and Culvert	2	32	28	60	2
Engineering Load and Structural Design Methods	2	32	28	60	2
Highway Engineering Measurement and Valuation	2	32	28	60	2
Seismic and Wind Resistance of Bridges	3	48	42	90	3
Engineering Structure Testing	2	32	28	60	2
Advanced Comprehensive Knowledge of Civil and Hydraulic Engineering	2	32	28	60	2
Smart Detection of Engineering Structures	1	16	14	30	1
Smart Bridges (EEE)	1	16	14	30	1
New Concepts in Highway Survey and Design	1	16	14	30	1
Engineering Project Management	2	32	28	60	2
Engineering Supervision Theory	2	32	28	60	2
Construction Regulations	2	32	28	60	2
Professional English for Civil Engineering	2	32	28	60	2
Practical Education					
Labor	1	28	0	28	1
Thematic Practice of Core Socialist Values	1	16	12	28	1
Inorganic and Analytical Chemistry Laboratory	1.5	24	18	42	1.5
Structural Model Making	1	16	12	28	1
Engineering Structure Testing Practical Training	1	32	24	56	2
College Physics Laboratory	1	16	12	28	1
Engineering Geology and Hydrogeology Practical Training	0.5	16	12	28	1
Engineering Materials Laboratory	1	32	24	56	2
Engineering Surveying Practical Training	1	32	24	56	2
Mechanics of Materials Laboratory	1	16	12	28	1
Soil Mechanics Laboratory	1	16	12	28	1
Fluid Mechanics Laboratory	1	16	12	28	1
Road Survey Course Design	1	32	24	56	2
Foundation Engineering Course Design	0.5	16	12	28	1
Roadbed and Pavement Engineering Course Design	1	32	24	56	2
Civil Engineering Construction Technology and Organization Course Design	1	32	24	56	2
Highway Engineering Measurement and Valuation Course Design	1	32	24	56	2
Construction Drawing Interpretation	1	32	24	56	2
Bridge Engineering Course Design	1	32	24	56	2

BIM Software Learning	1	32	24	56	2
Application of Road and Bridge Software	2	64	48	112	4
Engineering Drawing	1	16	12	28	1
Familiarization Internship	1	32	24	56	2
Production Internship	2	64	48	112	4
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Graduation Project (Thesis)	7	224	168	392	14

Graduation requirement: 168 Chinese credits, 200 ECTS, and 5,612 hours of total student workload.

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