

Széchenyi István University - Jiaxing University Double Degree Programme in Civil Engineering BSc

The studies can only be started in China.

SZE Students	JIAXING Students
SEMESTER 1	SEMESTER 1
COURSE	COURSE
Mathematics 1	Advanced Mathematics B 1
Mechanics of Structures 1	Theoretical Mechanics
Methods of Engineering Calculation	Basics of College Computer, Advanced Office Application
Descriptive Geometry	Engineering graphics 1-2
Fundamental Physics for Civil Engineers	College Physics C1
CAD applications 1	Engineering Drawing & Auto CAD
Introduction to Civil Engineering	Introduction to Civil Engineering
Business Economics	Economics of Construction Engineering
SEMESTER 2	SEMESTER 2
COURSE	COURSE
Mathematics 2	Advanced Mathematics B 2
Mechanics of Structures 2	Material Mechanics
Geodesy (+summer practice)	Experiment of Material Mechanics
Urban engineering	Engineering Surveying
CAD Applications 2	Computer Aided Design for Engineering
Construction of Materials 1	Engineering Cad
Basics of Law	Civil Engineering Materials
	Rudiments of Law

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SZE Students	JIAXING Students
SEMESTER 3	SEMESTER 3
COURSE	COURSE
Mathematics 3	Linear Algebra B, Probability and Statistics B
Analysis and Design of Structure	Structural Mechanics
Engineering Structures 1	Engineering Load And The Reliability of Design Principle
Structural Engineering 1	Design Principles of Steel Structure
Transport Infrastructure 1	Steel Structure Design
GIS	Building Architecture
Construction Materials 2	Course Design of Road and Survey design
	Experiment of Engineering Survey
SEMESTER 4	SEMESTER 4
COURSE	COURSE
Geotechnics 1	Engineering geology
Engineering Technologies	Soil mechanics
Hydrology	Experiments of soil mechanics
Transport infrastructure 2	Building Engineering Construction
Environmental Protection	Hydrology of bridge and culvert
Structural Engineering 2	Road survey and design
Bridge Structures 1	Environmental protection
Engineering Structures 2	Course Design of Building Architecture 1-2

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SZE Students	JIAXING Students
SEMESTER 5	SEMESTER 5
COURSE	COURSE
Engineering Structures 3	Construction equipment engineering
Structural Engineering Project 1	Fluid mechanics
Hydraulics	Computer Aided Project Management
Transport infrastructure 3	Foundation Engineering
Transport construction project 1	Course Design of Civil Engineering Construction
Geotechnics 2	Productive practice of building engineering construction
Construction management 1	

SEMESTER 6	SEMESTER 6
COURSE	COURSE
Construction management 2	Project management
Bridge Structures 2	Civil Engineering Budget Estimate
Timber Structures	Course Design of Bridge Engine
CAD in Structural Engineering	Bridge Engineering 2
Earthquake Engineering and Soil Dynamics	Composite Structure
Geotechnics 3	Structure earthquake resistance
Public Works	Extension of Soil Mechanics and Foundation Engineering
	Prefabricated Building Technology, Green Building

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SZE Students	JIAXING Students
SEMESTER 7	SEMESTER 7
COURSE	COURSE
Engineering Maintenance	Building Engineering Test and detection, Bridge Inspection and Reinforcement
Steel Structures	Course Design of Steel Structure
Reinforced Concrete Structures	Light.weight Steel Structure Design
BIM - Building Information Modelling	Course Design of Concrete Structure
Hydraulic structures	Concrete Structure Design
Structural Engineering Project 2	BIM Technology and Application
	Engineering Chemistry
	High.rise building structure design
	Structural Concept and Design
SEMESTER 8	SEMESTER 8
COURSE	COURSE
Thesis Consultation (Bachelor Programme)	Graduation Practice and Graduation Design