

**Annex 1 to the Agreement on a Double Degree Programme
between the University of Trento, Department of Civil, Environmental Engineering and Tongji University, College of Engineering**

Legenda	Conversion
ECTS: European Credits Transfer System (UniTrento)	1,8
CC: Chinese Credits (Tongji University)	1

UNITRENTO
1st year[illegible]

TONGJI UNIVERSITY
2nd year

course title	Course type		semester	ECTS	CC - recognized	CC	CC sum
Chinese Language Course	compulsory	common		5,4	3	3	
A General View of China	compulsory	common		5,4	3	3	
Engineering Ethics	compulsory	common		3,6	2	2	8
Research frontiers and development trends of civil engineering	compulsory	degree		3,6	2	2	
Academic English for Civil Engineering	compulsory	degree		1,8	1	1	
Numerical Analysis	compulsory	degree		transferred from UniTrento bachelor (Numerical Analysis)	3	3	
Elasticity and Plasticity	elective	degree		transferred from UniTrento bachelor (Solid and structural mechanics)	3	3	
Dynamics of Structures	elective	degree		(transferred from UniTrento Master- Theory and Dynamics of Structures)	3	3	
Advanced Concrete Theory of Structure	elective	degree		(transferred from UniTrento Master - Design of reinforced concrete and steel structures)	3	3	
Advanced Theory of Steel Structures	elective	degree		3,6	2	2	
Finite Element Method	elective	degree		(transferred from UniTrento bachelor - Computational structural mechanics I)	2	2	
Advanced Theory of Bridge Structures	elective	degree		5,4	3	3	
Tunnel Mechanics and Engineering	elective	degree		3,6	2	2	24
Structural Wind Engineering	elective	non-degree		3,6	2	2	
Earthquake Engineering	elective	non-degree		3,6	2	2	
Advanced Experimental Techniques in Structural Testing	elective	non-degree		3,6	2	2	
Tall Building Structures	elective	non-degree		3,6	2	2	
Composite Structures I	elective	non-degree				1	
Composite Structures II	elective	non-degree				1	
Structural Rehabilitation and Strengthening	elective	non-degree				2	
Traditional Building Structures in China	elective	non-degree				2	
Probability Analysis in Civil Engineering	elective	non-degree				2	
							8
Professional Practice	compulsory	special programs		10,8	6	6	
Code of Academic Integrity	compulsory	special programs		1,8	1	1	
Tongji University Advanced Lectures for Graduate Students	compulsory	special programs		3,6	2	2	
Mid-Term Evaluation	compulsory	special programs		0	0	0	
Thesis Proposal	compulsory	special programs		1,8	1	1	10
Total 2nd year				64,8	50		
sum of credits from "compulsory special programs"				18			
Master Thesis and professional internships				17			35
Total with thesis				141,8			

Requirements requested by Tongji University		CC
common degree courses	>=	7
professional degree courses	>=	18
non-degree courses	>=	8
<u>compulsory special programs</u>	=	10
Total		43
credits that can be transferred from Home Univ.	<=	21

Course lists and dates may be subject to change.
The Study Plan can be updated by the Bilateral Committee.
Before students start at the host institution, a course plan will be approved by both institutions.

TONGJI UNIVERSITY
1st year

course title	Course type	semes ter	ECTS- recogniz ed	CC
Dynamics of Structures (A)			5,4	3
Elasticity and Plasticity			5,4	3
Research progress and research method in Civil Engineering			3,6	2
Advanced Theory of Steel Structure and Composite Structures			5,4	3
Numerical Analysis			5,4	3
Advanced concrete structure theory			5,4	3
Advanced structural testing			3,6	2
Finite Element Method			3,6	2
Case studies of mega building structures			3,6	2
Professional English			1,8	1
Engineering Ethics			3,6	2
Research on the Theory and Practice of Socialism with Chinese Characteristics				3
The history of Marxism				2
Total 1st year			46,8	31

UNITRENTO
2nd year[illegible]

Requirements required by UniTrento	
Type	Minimum ECTS
B	66
C	12
D	9
F	3
Total	90
(see "UniTrento minimum requirements")	

UniTrento

B	C	D	F
5,4			
5,4			
3,6			
5,4			
		5,4	
5,4			
3,6			
3,6			
3,6			
			1,8
			3,6