

Civil Engineering  
correspondance table \_ annex 2

Table 1 - FIRST YEAR - Tongji and Bologna students @ Bologna						
Courses	UNIBO	ECTS	term	TONGJI	credits	term
	Advanced Structural Mechanics	9	1	Elasticity and Plasticity	3	
	Geotechnical Engineering	6	1	Soil mechanics and environmental geotechnics	2	
	Numerical Methods	12	1	Numerical method for partial differential equations I	3	
	Advanced Design Of Structures	9	2	Advanced concrete structure theory	3	
	Advanced Hydrosystems Engineering	9	2	Disaster Prevention Engineering	3	
	Sustainable Transport System design	9	2	Risk assessment and insurance of engineering disaster	2	
	Design Project	6	2	Research progress and research method in Civil Engineering ***	2	
tot.		60	Professional English***	1		19

Table 2 - SECOND YEAR - Tongji and Bologna students @ Tongji							
Courses	UNIBO	ECTS	term	TONGJI	credits	term	
				Research on the Theory and Practice of Socialism with Chinese Characteristics**	2	1 and 2	
				Postgraduate English for Full-Time Professional Master's Degree Candidates**	3	1 and 2	
				Engineering Ethics***	2	1 or 2	
				A General View of China****	3	1 and 2	
				Chinese Language Course****	3	1 and 2	
				<b>at least 5 credits among:</b>	<b>at least 5</b>		
				High-rise building	2	1	
				Wind Engineering for Structures	2	2	
				Advanced structural testing	2	2	
				Composite Structures-I	1	1	
				Composite Structures-II	1	1	
				Finite Element Method	2	2	
				Probability analysis in civil engineering	2		
				Earthquake engineering	2	2	
				Dynamics of Structures(A)	3	1	
				Advanced Theory of Steel Structures	2	1	
		Managing engineering and construction processes	6		Full-time specialized field practice	6	1
		Preparation for the final examination abroad	12				
					Thesis Proposal	1	2
					Code of Academic Integrity	1	2
					Tongji University Advanced Lectures for Graduate Students	2	1 and 2
					<b>at least 5 credits among:</b>	<b>at least 5</b>	
					High-rise building	2	1
					Wind Engineering for Structures	2	2
					Advanced structural testing	2	2
					Composite Structures-I	1	1
					Composite Structures-II	1	1
				Finite Element Method	2	2	
				Probability analysis in civil engineering	2		
				Earthquake engineering	2	2	
				Dynamics of Structures(A)	3	1	
				Advanced Theory of Steel Structures	2	1	
	Final exam	6		Master's thesis / Final project		2	
tot.		60			33		

- \* Credit provided to Tongji students for a year of study at University of Bologna.  
 \*\* Compulsory for Tongji students in order to obtain the degree from Tongji University.  
 \*\*\* Compulsory for UNIBO and Tongji students in order to obtain the degree from Tongji University.  
 \*\*\*\* Compulsory for UNIBO students in order to obtain the degree from Tongji University.

After completion of the studies of Table 1 and 2 (including the defence of the UNIBO Master's thesis) students who acquired the credits provided by the course of study at the University of Bologna may obtain the Laurea Magistrale in Civil Engineering from University of Bologna.

Table 3 - ADDITIONAL FIFTH SEMESTER - Tongji and Bologna students @ Tongji

TONGJI	credits	term
Thesis Writing		