



École Supérieure d'Ingénieurs
des Travaux de la Construction

Courses Catalogue
1st year of engineering apprenticeship program
TC3A

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Semester

ECTS Crédits

Language of instruction

Sciences

Mathematics	S1/S2	7	FR
Computer skills	S1/S2		FR
Structure mechanics	S1/S2		FR
C.A.O (Computer Assisted Drawing)	S1/S2		FR

Structures

Reinforced concrete	S1/S2	6	FR
Prestressed concrete	S1/S2		FR
Metal structures	S1/S2		FR
Geology	S1/S2		FR

Technology

Materials	S1/S2	7	FR
Hydraulics	S1/S2		EN
Environment	S1/S2		EN
Soil mechanics	S1/S2		FR
General construction	S1/S2		FR

Expression and Communication

French	S1/S2	4	FR
Oral expression	S1/S2		FR
English	S1/S2		-
German	S1/S2		-
Spanish	S1/S2		-
Personal development	S1/S2		FR
3rd foreign language (optional)	S1/S2		FR

Corporate World

Civil works period – crédits ECTS 15	-	36	-
Health and safety	-		FR
Subcontractor and suppliers managing period – crédits ECTS 15	-		-