

CIVIL ENGINEERING AND CONSTRUCTION (GCC, with GI & IMI) CIVIL ENGINEERING AND DATA SCIENCE TRACK 2026-2027

YEAR 3 (M2) OF ENPC MSc IN ENGINEERING

ECTS

S9 (Fall)	DEPARTMENT INCEPTION WEEKS (mandatory)		4,5	34	
	Week dedicated to : Masonry wall : conception, construction and deconstruction - 03ADL OR Building freeforms - 03ATC OR Design of an arch - 03ATT OR Earth construction - 03ATE		1,5		
	Challenge "Planning, Logistics, Environment"		03AET ⁽¹⁾		1,5
	Department week OR ATHENS week - SEP				1,5
	SCHOOL CORE CURRICULUM		3		
	Languages (3 modules for international students)				2
	Feedback on long internships		03STA		1
	DEPARTMENT MANDATORY COURSES		9		
	3 courses to be chosen in the list below and distributed over the 2 groups : Materials and Advanced				
	Materials (at least 1 course)				
	Wooden structures		CASBO		3
	Steel construction		CASME		3
	Reinforced and prestressed concrete		BAEP 1&2		3
	Advanced courses (at least 1 course)				
	Advanced construction dynamics		DYNAV		3
	Advanced structural design		COAST		3
	Geomechanics and advanced geotechnics		GEOME		3
	Buildings energy and comfort performance		APAM1		3
	Advanced concrete		BETAV		3
	MANDATORY COURSE IN GI/IMI DATA SCIENCE		14,5		
	Civil Engineering and Data Science project		PRSUP		7,5
	Machine Learning, Deep Learning - IMI ⁽²⁾		MLDL		4
	Artificial intelligence for man-machine collaboration - GI		IACHM		3
	MANDATORY COURSE ON A LIST IN GI/IMI DATA SCIENCE (at least 1 course)		3		
Smart systems - GI		SYSIN	3		
Operations research - GI		REOP	3		
ELECTIVE AND OPTIONAL COURSES					
To be chosen in the list below or in the School catalogue					
Design of underground structures		COTU1	3		
Bridge design and construction		COPO1	3		
Structures, energy and risks		CORI1	3		
Acoustics		ACOUS	1,5		
S10	End of Study Project		30		

⁽¹⁾ This code is the course's code in our online catalogue (<https://gede.enpc.fr/Programme/Default.aspx?Langue=en>)

⁽²⁾ These letters stand for the department (other than GCC) which delivers the course :

GMM : Génie Mécanique et Matériaux - Mechanical Engineering and Materials Science

GI : Génie Industriel - Industrial engineering

IMI : Ingénierie Mathématique et Informatique - Applied Mathematics and Computer Science

SEGF : Sciences économiques, Gestion, Finance - Economics, Management, Finance

VET : Ville Environnement Transport - City, Environment, Transportation

SHS - Sciences Humaines et Sociales - Humanities and Social Sciences