

CIVIL ENGINEERING AND CONSTRUCTION (GCC, with VET) GEOTECHNICS & URBAN PLANNING TRACK 2026-2027

YEAR 2 (M1) OF ENPC MSc IN ENGINEERING

ECTS

S7 (Fall)	DEPARTMENT INCEPTION WEEKS (mandatory)		3	30
	Week "Engineering geology : principles and practice"	02GEO ⁽¹⁾	1	
	Introduction to construction materials	02IMC	1	
	Week "Construction and biodiversity"	TRENC	1	
	SCHOOL CORE CURRICULUM		7,5	
	Numerical statistics and data analysis - IMI ⁽²⁾	STNUM	1,5	
	1 course to be chosen in our SHS department - SHS		3	
	Languages (3 modules for international students)		2	
	Professional support and guidance	AOP2	0,5	
	Sport		0,5	
	DEPARTMENT MANDATORY COURSES		14,5	
	Rock mechanics	MECSR	3	
	Structural mechanics (elastic structures)	MECST	3	
	City and regional planning - VET	AMENA	4	
	Methods for territorial analysis - VET	MASYT	4,5	
	ELECTIVE COURSES		5	
	To be chosen in the list below or in the School catalogue, so as to validate 30 ECTS min. in the semester			
Fluid mechanics for incompressible flows	MECA1&2	3		
Mechanics of deformable solids	MECGC	3		
Introduction to drawings and computer graphics	IDSMO	3		
Thermics	TERGC	1,5		
Energy : issues & demand-side management - VET	ENERG	3		
ELECTIVE COURSES chosen among M1 courses in the School catalogue Additional ECTS credits outside GCC (except languages) count toward the 9 ECTS required for integrated Master's programs in M2				

S8 (spring)	DEPARTMENT INCEPTION WEEK (mandatory)		1,5	30
	Transport, stations and exchange poles - VET	O2LVM	1,5	
	SCHOOL CORE CURRICULUM		12	
	Introduction to law	DROA/DROE	3	
	Statistics : practice of learning methods - IMI	PRAMA	1,5	
	Foresight and uncertainty	PR1CE	1,5	
	Languages (3 modules for international students)		2	
	Psychosocial risks (RPS)		0,5	
	Sport		0,5	
	Engineer Internship		3	
	DEPARTMENT MANDATORY COURSES		14,5	
	Design of Geotechnical Works (Theory)	APGE1	3	
	Applied design of geotechnical works	EXPGE	4,5	
	Urban Planning Economics - VET	EUEDA	2	
	VET Department seminar - VET	VETSD	5	
	Accessibility Day	JPACC	-	
	ELECTIVE COURSES		2	
1 course to be chosen in the list below or in the School catalogue so as to reach 30 ECTS for the semester				
Mechanics of elastic structures 2	MECS2	1,5		
Yield design	PLAS	1,5		
Transport and planning in urban and regional environments - VET	TAMUR	3		
ELECTIVE COURSES chosen among M1 courses in the School catalogue Additional ECTS credits outside GCC (except languages) count toward the 9 ECTS required for integrated Master's programs in M2				
<i>Recommended</i> : Applied project for Machine Learning (PROMA)				

⁽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

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YEAR 3 (M2) OF ENPC MSc IN ENGINEERING

ECTS

S9 (Fall)	DEPARTMENT INCEPTION WEEKS (mandatory)		4,5	30	
	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 CORE CURRICULUM				20,5
	Teamwork : Dams - GCPBR OR Bridges - GCPPO OR Highway - GCPRO OR Marine energy - EXPHY OR Bioclimatic building - BABIO				7,5
	Life cycle analysis : Theory (ANCYV) + Application (ANCGC)				3
	Reinforced and prestressed concrete		BAEP 1&2		3
	Urban law 1&2 - VET		DRURB		4
	Challenges, sciences and tools for the transition of cities and territories - VET ⁽²⁾		DSOTV3A		3
	ELECTIVE COURSES				2
	To be chosen in the list below or in the School catalogue, so as to validate 30 ECTS min. in the semester				
	Wooden structures		CASBO		3
	Advanced geotechnics		GEOME		3
Acoustics		ACOUS	1,5		
Advanced concrete		BETAV	3		
Structures, energy and risks		CORI1	3		
Bridge design and construction		COPO1	3		
Design of underground structures		COTU1	3		
Urban & territorial project - ENSAPE ⁽³⁾		COURB	2		
Territorial and urban metabolism		PGEDE	1,5		

S10	End of Study Project	30
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⁽³⁾ [Course offered by Paris Est School of Architecture \(ENSAPE\)](#)