

CITY, ENVIRONMENT, TRANSPORTATION (VET) ENVIRONMENT TRACK 2024 - 2025 DOUBLE DEGREE STUDENTS		
YEAR 2 (M1) OF ENPC MSc IN ENGINEERING		ECTS
INCEPTION WEEKS (mandatory)		5,5
Sept. 2024 : 2nd to 6th	Week dedicated to "Local data and the 15-minute city " - O2CTR*	1,5
Sept. 2024 : 9th to 13th	Business management - O2GES	1,5
Sept. 2024 : 16th to 20th	Department study trip	1
Feb. 2025 : 3rd to 7th	Crisis management - O2GCR	1,5
CORE CURRICULUM (mandatory)		9
Mar 31st to Apr 4th 2025	Inter-department week - O2DPT	1
S3	Numerical statistics and data analysis - STNUM (IMI)	2
S4	Introduction to law - DROE	3
S3 or S4	Course to be chosen in the Humanities and Social Sciences Department (SHS)	3
MANDATORY COURSES FOR VET URBAN PLANNING TRACK		35
VET core curriculum		10
S3	Challenges, Sciences, Tools for the transition of cities and territories - DSOTV	3
Nov. 18th to 22nd 2024	Department week - O2DAD	1
S4	Seminar - Department project - VETSD	6
S3 & S4	Pedagogical days	0
Environment track		19
S3	Environmental and industrial risks - RENIN	3
S3	Economics of environment, energy, and sustainable development - ECENV	3
S3	Fluid mechanics for incompressible flows - MECA 1 & 2 (GCC)	3
S3	Hydrology : modeling and decision - HYDGE	3,5
S3	Energy : issues and demand-side management - ENERG	3
S4	Atmospheric environment & air quality - POLU1	3,5
Going deeper into the environment track		6
S4	Water and Urban Environment Workshop - HYDRO	6
ELECTIVE COURSES TO BE CHOSEN IN THE LIST BELOW		
Recommended by VET Department		
S3	Water politics and policies - POLEA	1,5
S3	Water treatment technologies - TECEA	1,5
S4	Waste prevention and management - PGEDE	1,5
S4	Integrated water resources management - GEREO	1,5
Other possibilities in the course catalogue for GCC, GMM, GI, IMI or SEGF Departments		
Number of scientific ects to validate in Year 2 (incl. SHS course)		49,5
S4	COACHING AND CAREER GUIDANCE - AOP2A	0,5
S3 & S4	SPORT	1
S3 & S4	LANGUAGES	7,5
MANDATORY ENGINEER INTERNSHIP ***		2,5
TOTAL YEAR 2 (M1)		61

CITY, ENVIRONMENT, TRANSPORTATION (VET) YEAR 3 (M2) OF ENPC MSc IN ENGINEERING - 2024 2025			ECTS
INCEPTION WEEKS (mandatory)			3
S5	Challenge Urban Planning, Logistics, Environment-Energie		1,5
S5	Systemic analysis - 03SYS*		1,5
ENPC CORE CURRICULUM			1,5
S5	Feedback on engineer internship (only for long internships)		1,5
VET MANDATORY COURSES			4
Nov. 18th to 22nd 2024	Department week - O2DAD		1
S5	Life Cycle Assessment of urban transportation modes - ACVMU		3
S5	Pedagogical days		0
OPTION 1 : CLASSIC TRACK IN VET DEPARTMENT			
ELECTIVE COURSES : Courses to be chosen in the ENPC course catalogue Subject to validation by VET Department 70% of total ECTS must be taken in VET department. The remaining 30% can be taken in other ENPC departments			
OR OPTION 2 : 3A Area of specialization (2,5 day/week project mode)			
Team work : Transit-lab OR Ecoconception OR other (projects defined every year) 2024-2025 project : What environmental strategy for the city of Dunkerque in 2050 ? 3 support courses minimum			
OR OPTION 3 : 3A Master by Research WITH or WITHOUT Master graduation			
mixed cursus Msc of Engineering/Master by research 1 course semester + master internship + End-of-study project S5 : Master courses S6 : Master internship S7 : End of study project 70% of courses must be chosen in the VET department			
OR OPTION 4 : 3A Master toward PhD WITH Master graduation			
mixed cursus Msc of Engineering/Master by research 1 course semester + master internship + End-of-study project S5 : Master courses S6 : Master internship S7 : Assessment of PhD 1st semester 70% of courses must be chosen in the VET department			
S5	LANGUAGES		4,5
S6	END-OF-STUDY PROJECT OR MASTER INTERNSHIP		30
TOTAL YEAR 3 (M2)			60

Notes

S5 : Semester 1 of year 3 - S6 : Semester 2 of year 3

Mandatory courses must be validated and cannot be compensated by another course if not validated

Elective courses must be validated but can be compensated by another course if not validated

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

S5 : Scientific courses
excluding sport, languages and REX
25,5 ects minimum