

CIVIL AND STRUCTURAL ENGINEERING (GCC, with EAVT School of Architecture) STRUCTURE & ARCHITECTURE TRACK - 2024 2025		
YEAR 2 (M1) OF ENPC MSc IN ENGINEERING		ECTS
ENGINEER INTERNSHIP*		2,5
COACHING AND CAREER GUIDANCE (AOP2A)		0,5
INCEPTION WEEKS (mandatory)		3
September 2024 : 2nd to 6th	Representation seminar at EAVT - EAREP	1
September 2024 : 16th to 20th	Introduction to construction materials - O2IMC	1
March 31st to April 4th 2025	Inter-department week - O2DPT	1
CORE CURRICULUM (mandatory)		7
September 2024 : 9th to 13th	Business management - O2GE2	2
S3	Numerical statistics and data analysis - STNUM (IMI)	2
S4	Introduction to law - DROA/DROE	3
DEPARTMENT MANDATORY COURSES		19,5
S3	Rock mechanics - MECSR	3
S3	Structural mechanics (elastic structures) - MECST	3
S3	Building materials and engineering design - CCMAT	3
S4	Mechanics of elastic structures 2 - MECS2	1,5
S4	Dynamics of structures and constructions - DYSTR	3
S4	Structural design (Theoretical part + application) - APST1 & EXPST	6
S4 - April 11th	Accessibility Day - JPACC	0
MANDATORY COURSES AT EAVT SCHOOL OF ARCHITECTURE***		30
S3	Material and structures	2
S3	Tools for projects 1	1
S3	Infographics	2
S3	Sketches	2
S3	Architecture project (Semester 1) - EAPJ1	8
S3	History of construction	3
S4	Sketches (continuation)	2
S4	Architecture project (Semester 2)	9
S4	Tools for projects 2	1
ELECTIVE COURSES		
Additional courses to be taken on a voluntary basis. Thermics and acoustics : to be confirmed with EAVT mandatory courses time schedule		
S4	Acoustics - ACOUS	1,5
S4	Thermics - TERGC	1,5
S4	Statistics : practice of learning methods - PRAMA (IMI)	2
S3 & S4	LANGUAGES (mandatory)	7,5
TOTAL YEAR 2 (M1)		70

* The ects of engineer internship will be acquired at the beginning of year 3 (M2)

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

*** See <https://www.paris-est.archi.fr/formations/master>

CAUTION

You must validate at least 59,5 ects in scientific courses (excl. Internship, AOP2A and languages) to validate your Year 2 (M1)

CIVIL AND STRUCTURAL ENGINEERING (GCC, with EAVT School of Architecture) STRUCTURE & ARCHITECTURE TRACK - 2024 2025		
YEAR 3 (M2) OF ENPC MSc IN ENGINEERING		ECTS
September 2024 : 5th & 6th	FEEDBACK ON ENGINEER INTERNSHIP - REX* (only for long internships) - 03STA	1,5
	INCEPTION WEEKS (mandatory)	2
September 2024 : 9th to 13th	Week dedicated to Building freeforms - 03ATC OR Design of an arch - 03ATT	1
September 2024 : 16th to 20th	Future construction technologies : Techniques and Building Information Modeling (BIM) - CHBIM	1
DEPARTMENT MANDATORY COURSES		9
S5	Reinforced and prestressed concrete - BAEP 1 & 2 (GMM)	3
S5	Steel construction - CASME	3
S5	Advanced structural design - COAST	3
MANDATORY COURSES AT EAVT SCHOOL OF ARCHITECTURE***		15
S5	History and theories of architecture	2
S5	Project Engineer - Architect	11
S5	Envelopes	2
ELECTIVE COURSES 1 course (3 ECTS minimum) to be chosen in the list below		
S5	Civil engineering project management and economics - GEPCO	3
S5	Advanced construction dynamics - DYNAV	3
S5	Wooden structures - CASBO	3
S5	Life cycle analysis (Theory) - ANCYV	1,5
S5	Life cycle analysis (Application) - ANCGC	1,5
S5	Bridge design and construction - COPO1	3
S5	Finite elements for civil engineering - CALEF	3
S5	Buildings energy and comfort performance - APAM1	3
S5	Architectural geometry - MANGT	3
S5	Environment-based design - PERFO (MANGT is a prerequisite)	3
S5	LANGUAGES (mandatory)	4,5
S6	END-OF-STUDY PROJECT (17 weeks at least)	30
TOTAL YEAR 3 (M2)		62

* The 1,5 ects obtained during Feedback of Engineer internship are excluded from the required 25,5 ects

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

*** See <https://www.paris-est.archi.fr/formations/master>

dsw<qs

Scientific courses
excluding languages and REX
26 ects minimum