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 2 September 2024 : 9th to 13th Business management - O2GE2 **S3** Numerical statistics and data analysis - STNUM (IMI) S4 Introduction to law - DROA/DROE 3 **DEPARTMENT MANDATORY COURSES** 19,5 Rock mechanics - MECSR 3 S3 **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 Structural design (Theoretical part + application) - APST1 & EXPST **S4** 6 Accessibility Day - JPACC S4 - April 11th 0 MANDATORY COURSES AT EAVT SCHOOL OF ARCHITECTURE*** 30 **S3** 2 Material and structures 1 S3 Tools for projects 1 2 **S3** Infographics **S**3 **Sketches** 2 Architecture project (Semester 1) - EAPJ1 8 S3 **S**3 History of construction 3 **S4** 2 Sketches (continuation) Architecture project (Semester 2) 9 **S4** Tools for projects 2 **S4** 1 **ELECTIVE COURSES** Additional courses to be taken on a voluntary basis. Thermics and acoustics: to be confirmed with EAVT mandatory courses time schedule **Acoustics - ACOUS** S4 1,5 S4 1,5 Thermics - TERGC Statistics: practice of learning methods - PRAMA (IMI) 2 **S4** S3 & S4 LANGUAGES (mandatory) 7,5 70 **TOTAL YEAR 2 (M1)**

CAUTION

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

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

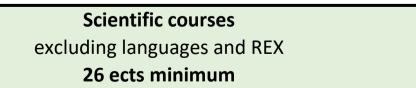
^{**} This code is the course's code in our online catalogue (http://gede.enpc.fr/Programme/Default.aspx?Langue=en)

^{***} See https://www.paris-est.archi.fr/formations/master

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) - 03	STA	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	1:	1
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

^{***} See https://www.paris-est.archi.fr/formations/master



dsw<qs

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