

**Bloc 1**

Further Informations

**Compulsory courses**

*Prerequisites in Structural engineering :*

30 ECTS credits of courses within a minor in Structural Engineering. This program has to receive the preliminary agreement of the Jury.

GCIV0643-1	<i>Structures en béton précontraint et maçonnerie</i> - Hervé DEGÉE, Boyan MIHAYLOV - [1j T. t., 20h Proj.]	Q1	26	26	[+]	5
GCIV0644-1	<i>Structures métalliques et mixtes acier-béton</i> - JeanFrançois DEMONCEAU, JeanPierre JASPART - [1j T. t., 20h Proj.]	Q2	35	17	[+]	5
GCIV0185-7	<i>Méthodes numériques linéaires en génie civil et géologique</i> - Laurent DUCHENE, Michel PIROTON - [30h Proj.]	Q1	22	30	[+]	5
GCIV2037-1	<i>Analyse des structures II</i> - Vincent DENOËL, Philippe RIGO - [15h Proj.]	Q2	28	24	[+]	5
GCIV0646-1	<i>Conception et exécution des bâtiments</i> - JeanFrançois DEMONCEAU, JeanMarc FRANSSSEN, Boyan MIHAYLOV - [1j T. t.]	Q2	40	-	[+]	5
GCIV0607-2	<i>Analyse des structures I</i> - Vincent DENOËL	Q1	28	24	-	5

The jury can approved to replace the above courses by courses followed in another institution in the field of structural engineering (structural mechanics, building materials, structural analysis, design of structures, ...)

GCIV0637-1	<i>Design for fire and robustness</i> (anglais)	Q1	30	30	-	6
GCIV0635-1	<i>Advanced design of steel and composite structures</i> (anglais)	Q1	30	30	-	6
GCIV0636-1	<i>Design for seismic and climate changes</i> (anglais)	Q1	30	30	-	6
GCIV0638-1	<i>Business economics and entrepreneurship</i> (anglais) - N...	Q1	20	5	-	2
GCIV0632-1	<i>Advanced design of glass structures</i> (anglais)	Q1	25	25	-	5
GCIV0634-1	<i>Rehabilitation and maintenance of structures</i> (anglais)	Q1	25	25	-	5

**Bloc 2**

**Compulsory courses**

GCIV0629-1	<i>Conceptual design of buildings</i> (anglais)	Q2	30	30	-	6
GCIV0630-1	<i>Conceptual design of bridges</i> (anglais)	Q2	30	30	-	6
LANG2961-1	<i>Local culture and language</i> (anglais) - Véronique DOPPAGNE, ISLV, Aline KOOLEN	Q2	20	5	-	2
GCIV0639-1	<i>Advanced design of timber structures</i> (anglais)	Q2	25	25	-	5
GCIV0640-1	<i>Advanced design of concrete structures</i> (anglais)	Q2	25	25	-	5
GCIV0628-1	<i>Design of sustainable constructions</i> (anglais)	Q2	30	30	-	6
ATFE0019-1	<i>Thesis</i> (anglais) - COLLÉGIALITÉ	Q2	-	-	-	28
MECA0510-1	<i>Introduction to methodology and research</i> (anglais) - COLLÉGIALITÉ	Q2	-	-	-	2