

**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	30	30	[+]	5
GCIV0644-1	<i>Structures métalliques et mixtes acier-béton</i> - JeanFrançois DEMONCEAU, JeanPierre JASPART - [1j T. t., 20h Proj.]	Q2	40	20	[+]	5
GCIV0185-7	<i>Méthodes numériques linéaires en génie civil et géologique</i> - Laurent DUCHENE, Michel PIROTON - [30h Proj.]	Q1	25	35	[+]	5
GCIV2037-1	<i>Analyse des structures II</i> - Vincent DENOËL, Philippe RIGO - [15h Proj.]	Q2	35	30	[+]	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> - JeanMarc FRANSSSEN	Q1	35	30	-	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 (anglais)</i> - JeanFrançois DEMONCEAU, Thomas GERNAY	Q1	30	30	-	6
GCIV0635-1	<i>Advanced design of steel and composite structures (anglais)</i> - JeanFrançois DEMONCEAU	Q1	30	30	-	6
GCIV0636-1	<i>Design for seismic and climate changes (anglais)</i> - JeanFrançois DEMONCEAU	Q1	30	30	-	6
GCIV0638-1	<i>Business economics and entrepreneurship (anglais)</i> - N...	Q1	20	5	-	2
GCIV0632-1	<i>Advanced design of glass structures (anglais)</i> - JeanPierre JASPART	Q1	25	25	-	5
GCIV0634-1	<i>Rehabilitation and maintenance of structures (anglais)</i> - Luc COURARD, Thomas GERNAY	Q1	25	25	-	5

**Bloc 2**

Further Informations

**Compulsory courses**

GCIV0629-1	<i>Conceptual design of buildings (anglais)</i> - JeanFrançois DEMONCEAU, JeanMarc FRANSSSEN, JeanPierre JASPART	Q2	30	30	-	6
GCIV0630-1	<i>Conceptual design of bridges (anglais)</i> - Vincent DE VILLE DE GOYET, Laurent DUCHENE, JeanPierre JASPART	Q2	30	30	-	6
LANG2961-1	<i>Local culture and language (anglais)</i> - Véronique DOPPAGNE, ISLV, Aline KOOLEN	Q2	20	5	-	2
GCIV0639-1	<i>Advanced design of timber structures (anglais)</i> - JeanMarc FRANSSSEN	Q2	25	25	-	5
GCIV0640-1	<i>Advanced design of concrete structures (anglais)</i> - Boyan MIHAYLOV	Q2	25	25	-	5
GCIV0628-1	<i>Design of sustainable constructions (anglais)</i> - JeanPierre JASPART	Q2	30	30	-	6
ATFE0019-1	<i>Thesis (anglais)</i> - COLLÉGIALITÉ	Q2	-	-	-	28
MECA0510-1	<i>Introduction to methodology and research (anglais)</i> - COLLÉGIALITÉ	Q2	-	-	-	2