

First year

FIRST QUADRIMESTER

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.

Compulsory Courses

GCIV2032-2	<i>Design and means of erection of structures and bridges -</i> Vincent DE VILLE DE GOYET, JeanMarc FRANSSSEN	20	20	-	3
GCIV2068-1	<i>Wood construction - N...</i>	15	15	-	2
GCIV0643-1	<i>Concrete and brickwork constructions -</i> Hervé DEGÉE, Boyan MIHAYLOV - [1d FW]	30	30	[+]	5
GCIV0644-1	<i>Steel and composite constructions -</i> JeanFrançois DEMONCEAU, JeanPierre JASPART - [1d FW]	35	35	[+]	6
GCIV0185-6	<i>Numerical methods in Civil and Geological Engineering - N...</i>	50	50	-	8
GCIV2037-1	<i>Structural Mechanics II -</i> Hervé DEGÉE, Vincent DENOËL	35	35	-	6

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,...)

SECOND QUADRIMESTER

Compulsory Courses

GCIV0628-1	<i>Design of sustainable constructions (english language) -</i> JeanPierre JASPART	30	30	-	6
GCIV0629-1	<i>Conceptual design of buildings (english language) -</i> JeanFrançois DEMONCEAU, JeanMarc FRANSSSEN, JeanPierre JASPART	30	30	-	6
GCIV0630-1	<i>Conceptual design of bridges (english language) -</i> Hervé DEGÉE, Vincent DE VILLE DE GOYET	30	30	-	6
LANG2961-1	<i>Local culture and language (english language) -</i> Julien DUBOIS, Aline KOOLEN	20	5	-	2
GCIV0639-1	<i>Design for renewable energy systems (english language) -</i> Philippe RIGO	25	25	-	5
GCIV0640-1	<i>Advanced design of concrete structures (english language) -</i> Boyan MIHAYLOV	25	25	-	5

Second year

THIRD QUADRIMESTER

Compulsory courses

GCIV0635-1	<i>Advanced design of steel and composite structures (english language) -</i> JeanFrançois DEMONCEAU	30	30	-	6
GCIV0636-1	<i>Design for seismic and climate changes (english language) -</i> JeanFrançois DEMONCEAU	30	30	-	6
GCIV0637-1	<i>Design for fire and robustness (english language) -</i> JeanFrançois DEMONCEAU, JeanMarc FRANSSSEN	30	30	-	6
GCIV0638-1	<i>Business economics and entrepreneurship (english language) - N...</i>	20	5	-	2
GCIV0632-1	<i>Advanced design of glass structures (english language) -</i> JeanPierre JASPART	25	25	-	5
GCIV0634-1	<i>Rehabilitation and maintenance of structures (english language) -</i> Luc COURARD	25	25	-	5

FOURTH QUADRIMESTER

Compulsory Courses

ATFE0019-1	<i>Theses (english language) -</i> COLLÉGIALITÉ	-	-	-	28
MECA0510-1	<i>Introduction to methodology and research -</i> COLLÉGIALITÉ	-	-	-	2