

## A single year

The supplementary year giving access to the master's degree in space sciences consists of the third year of the bachelor's degree in physical sciences in engineering sciences ( civil engineering orientation) or in engineering sciences (bioengineering orientation)

### Optional courses

Choose a program among the following :

#### Programme for the third year of the Bachelors in Physical Sciences

MATH0052-1	<i>Advanced mathematics for physicists</i> - Jean-Pierre GASPARD	30	30	-	<b>6</b>
PHYS2009-2	<i>Modern Physics</i> - Laurent DREESEN	20	-	-	<b>2</b>
PHYS0958-1	<i>Quantum Physics: Theory</i> - Thierry BASTIN	30	30	-	<b>6</b>
PHYS0959-1	<i>Quantum Physics: Applications</i> - Thierry BASTIN	20	10	-	<b>3</b>
PHYS2011-1	<i>Experimental physics</i>				<b>9</b>
	- Part a) <i>Electronic and instrumentation</i> - N..., David STRIVAY	30	35	-	
	- Part b) <i>nuclear detection</i> - David STRIVAY	10	25	-	
PHYS0212-2	<i>Statistical physics</i> - Nicolas VANDEWALLE	30	30	-	<b>6</b>
PHYS0936-2	<i>Materials Physics</i> - Philippe GHOSEZ, Jean-Yves RATY	30	20	-	<b>6</b>
MECA0202-2	<i>Analytical Mechanics II</i> - Jean SURDEJ	30	30	-	<b>6</b>
ASTRO204-2	<i>Astrophysics and geophysics</i> - Marc-Antoine DUPRET	30	30	-	<b>6</b>
STRA0005-3	<i>Training sessions and personal activities</i> - Serge HABRAKEN, Alain SERET - [2d FW]	10	30	[+]	<b>6</b>
LANG0082-1	<i>English 3</i> - Véronique DOPPAGNE, Christine FILOT, ISLV	45	-	-	<b>4</b>

#### Programme for the third year of the Bachelors in Engineering Sciences, specialisation Civil Engineering

*Notice* : The choice of options depends on the agreement of the jury.

[...] The courses of the BAC 3 year in Engineering Sciences, civil engineering orientation.

#### Programme for the third year of the Bachelors in Engineering Sciences, specialisation Bioengineering.

The programme can be obtained from the University Faculty in agronomical sciences at Gembloux, or at the address:  
<http://www.fsagx.ac.be/fac/fr/enseignement/etudescycle1/bachbioing.asp>.