

## Cycle view of the study programme

B1 Or Th Pr Au Cr

Informations complémentaires

### Compulsory courses (B1 : 60Cr)

#### Module 1 : Vehicle dynamics and safety

MECA0492-2	<i>Vehicle dynamics</i> (english language) - Pierre DUYSINX	B1	Q1	15	10	-	<b>2</b>
MECA0493-2	<i>Vehicle aerodynamics</i> (english language) - Grigorios DIMITRIADIS	B1	Q1	15	10	-	<b>2</b>
MECA0494-3	<i>Vehicle components I</i> (english language) - Olivier BRULS, Pierre DUYSINX	B1	Q1	25	15	-	<b>3</b>
MECA0496-2	<i>Materials for automotive applications</i> (english language)	B1	Q1	15	10	-	<b>2</b>

Total : 9 credits / 8 weeks / 150 hours of lectures and lab works

Exam : After end of semester 1

#### Module 2 : Engine and electric propulsion systems

MECA0497-2	<i>Vehicle performance</i> (english language) - Mustapha BELHABIB, Pierre DUYSINX - [1d FW]	B1	Q1	25	15	[+]	<b>3</b>
MECA0498-2	<i>Internal combustion engines</i> (english language) - Philippe NGENDAKUMANA	B1	Q1	25	15	-	<b>3</b>
MECA0499-2	<i>Electric traction motors</i> (english language) - Johan GYSELINCK	B1	Q1	15	10	-	<b>2</b>
MECA0500-2	<i>Hybrid electric and fuel cell vehicles</i> (english language) - Pierre DUYSINX, Nathalie JOB	B1	Q1	25	15	-	<b>2</b>
MECA0501-1	<i>Thermal and Electrical Management of vehicles</i> (english language) - Vincent LEMORT	B1	Q1	15	10	-	<b>3</b>

Total : 13 credits / 8 weeks / 200 hours of lectures and lab works

Exam : End of the semester 1

#### Module 3 : Project and Internship

APRI0008-1	<i>Innovation project in automotive engineering</i> (english language)	B1	Q1	-	120	-	<b>8</b>
MECA0509-1	<i>Sustainable engineering processes</i> (english language) - Georges DE PELSEMAEKER	B1		15	30	-	<b>5</b>
ASTG0112-1	<i>Internship</i> (english language) - COLLÉGIALITÉ	B1	TA	-	-	-	<b>10</b>
ATFE3045-1	<i>Automotive Project</i> (english language) - COLLÉGIALITÉ	B1	TA	30	-	-	<b>15</b>