

Cycle view of the study programme

B1 Or Th Pr Au Cr

Compulsory courses (B1 : 60Cr)

Module 1 : Vehicle dynamics and safety

MECA0525-1	<i>Performance and dynamics of vehicles</i> (english language) - Mustapha BELHABIB, Pierre DUYSINX - [4h Labo., 8h Proj., 1d FW]	B1	Q2	30	15	[+]	5
MECA0063-1	<i>Vehicle architecture and components</i> (english language) - Pierre DUYSINX, Marc NÉLIS, Marc NÉLIS - [30h Proj.]	B1	Q1	30	30	[+]	5
ACER0083-2	<i>Materials and processes for automotive applications</i> (english language) - Stoyan GAYDARDZHIEV, Anne MERTENS	B1	Q1	15	45	-	5

Total : 15 credits / 8 weeks

Exam : After end of semester 1

Module 2 : Engine and electric propulsion systems

MECA0499-2	<i>Electric traction motors</i> (english language) - Pierre DUYSINX, Johan GYSELINCK	B1	Q1	15	10	-	2
MECA0041-2	<i>Internal combustion engine, Part 1 Fundamental aspects</i> (english language) - Marc NÉLIS - [1d FW, 15h Proj.]	B1	Q2	15	15	[+]	3
MECA0041-3	<i>Internal combustion engine, Part 2 Application to propulsion</i> (english language) - Marc NÉLIS - [10h Proj., 0,5d FW]	B1	Q2	10	10	[+]	2
MECA0527-1	<i>Electric, hybrid and fuel cell vehicles</i> (english language) - Pierre DUYSINX, Johan GYSELINCK, Johan GYSELINCK - [5h Labo., 15h Proj.]	B1	Q1	30	10	[+]	5
MECA0501-1	<i>Thermal Energy Management in vehicles</i> (english language) - Vincent LEMORT	B1	Q1	15	10	-	3

Total : 15 credits / 8 weeks

Exam : End of the semester 1

Module 3 : Project and Internship

PROJ0020-1	<i>Innovation for sustainable engineering</i> (english language) - Georges DE PELSEMAEKER, Pierre DUYSINX - [100h Proj.]	B1	Q1	10	-	[+]	5
ASTG0112-1	<i>Internship</i> (english language) - COLLÉGIALITÉ	B1	TA	-	-	-	10
ATFE3045-1	<i>Automotive Project</i> (english language) - COLLÉGIALITÉ	B1	TA	30	-	-	15