

## First Year

### Compulsory courses

GEST0106-1	<i>Elements of Corporate Management</i> - Pierre-Armand MICHEL	30	-	-	<b>3</b>
ELEC0053-1	<i>Electric circuits</i> - Patricia ROUSSEAUX	20	10	-	<b>3</b>
ELEC0052-1	<i>Analysis and Design of Electrical Measuring Systems</i> - Philippe VANDERBEMDEN	30	30	-	<b>5,5</b>
ELEN0001-1	<i>Analogical Electronics circuits</i> - Benoît VANDERHEYDEN	30	30	-	<b>5,5</b>
MATH0024-1	<i>Further Study of Digital Analysis (Equations with Partial Derivatives)</i> - Jean-André ESSERS	30	30	-	<b>5,5</b>
MECA0001-1	<i>Solid mechanics (english)</i> - Serge CESCOTTO	30	30	-	<b>5,5</b>
MECA0012-3	<i>Mechanics of materials (english)</i> - Serge CESCOTTO	45	30	-	<b>7</b>
MECA0022-1	<i>Continuum Thermomechanics</i> - Michel HOGGE	30	30	-	<b>5,5</b>
MECA0025-1	<i>Fluid Mechanics</i> - Jean-André ESSERS	30	30	-	<b>5,5</b>
MECA0029-1	<i>Mechanical Vibrations</i> - Gaëtan KERSCHEN	30	30	-	<b>5,5</b>
PHYS0040-1	<i>Irreversible Thermodynamics</i> - Pierre DAUBY	30	-	-	<b>3</b>
SYST0002-1	<i>Linear systems</i> - Rodolphe SEPULCHRE	30	30	-	<b>5,5</b>

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MECA0036-1	<i>Finite Element Method</i> - Jean-Philippe PONTHOT	30	30	-	<b>6</b>
[...]	One general education course, chosen from the University's course programme. This choice must be approved by the President of the Board of Studies.				
To choose :					
ASTG0011-1	<i>Stage</i>	-	-	-	<b>12</b>
[...]	One or more courses totalling 12 ECTS from "ingénieur civil physicien"				
ATFE0001-1	<i>Travail de fin d'études</i>	-	-	-	<b>24</b>

### Optional courses

Choose courses totalling 15 ECTS from the following :

- [...] The department's course programme
- [...] Students can choose 6 ECTS from the University's course programme, subject to approval by the President of the Board of Studies