

### Third Year

#### Compulsory courses

ELEN0017-1	<i>Analysis and Design of Telecommunications Systems</i> - Marc VAN DROOGENBROECK	30	30	-	<b>5,5</b>
INFO0009-1	<i>Introduction to Data Bases</i> - Pierre WOLPER	30	30	-	<b>5,5</b>
INFO0025-1	<i>Compilers and Compiler Writers</i> - Pierre-Arnoul DE MARNEFFE	30	30	-	<b>5,5</b>
ATFE0001-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	<b>24</b>

#### Optional courses

Choose one of the following courses :

[...] One general education course, chosen from the University's course programme. This choice must be approved by the President of the Board of Studies.

GEST1069-1	<i>Introduction to entrepreneurship</i> - Bernard SURLEMONT	30	-	-	-
ECON0878-1	<i>Microeconomy applied to the engineering science</i> - Jean-Pierre HANSEN	30	-	-	-
ECON0099-1	<i>Industrial strategy: economic case analysis</i> - Jean-Pierre HANSEN	30	-	-	-

Choose three of the following courses :

ELEC0014-1	(pas organisé en 2008-2009) <i>Electric Energy Transmission and Distribution</i> - Jean-Louis LILIEN	30	30	-	<b>5,5</b>
ELEC0017-1	<i>Indirect Effects of Electromagnetic Fields</i> - Véronique BEAUVOIS, Jean-Louis LILIEN	30	30	-	<b>5,5</b>
ELEN0019-1	<i>Treatment of the audio signals: principles and experiments</i> - Jean-Jacques EMBRECHTS	30	30	-	<b>5,5</b>
ELEN0038-1	<i>Microsystems</i> - Jacques DESTINÉ	30	30	-	<b>5,5</b>
ELEN0062-1	<i>Applied Inductive Learning</i> - Pierre GEURTS, Louis WEHENKEL	30	30	-	<b>5,5</b>
GBIO0008-1	<i>Medical imaging</i> - Christophe PHILLIPS	30	30	-	<b>5,5</b>
INFO0014-1	<i>Computer Systems Performance Evaluation</i> - Tri-An BANH	30	30	-	<b>5,5</b>
INFO0056-1	<i>Managing and Securing Computer Networks</i> - Guy LEDUC	30	30	-	<b>5,5</b>
INFO0063-1	<i>Object-Oriented Software Engineering</i> - Bernard BOIGELOT	30	30	-	<b>5,5</b>
MATH0042-1	<i>Stochastic Systems Modeling</i> - Tri-An BANH	30	30	-	<b>5,5</b>
MATH0461-1	<i>Intorduction to optimization</i> - Quentin LOUVEAUX	30	30	-	<b>5,5</b>
MATH0462-1	(pas organisé en 2008-2009) <i>Discrete optimization</i> - Quentin LOUVEAUX	30	30	-	<b>5,5</b>
SYST0017-1	<i>Non linear systems</i> - Rodolphe SEPULCHRE	30	30	-	<b>5,5</b>
[...]	2nd year option course list				
[...]	Courses of the University of Liège				

Programme structure for Civil Engineering electrician graduates

The third year of the degree in computer sciences civil engineering is accessible to electrical civil engineering graduates. It consists of all the specifics courses in the computer science orientation that were not taken before and of a final dissertation. A certificate mentioning the selected courses is given to students who passed all examinations but not the final dissertation.

The specific courses are the following :

INFO0006-1	<i>Information Structure</i> - Tri-An BANH	30	30	-	<b>5</b>
INFO0004-1	<i>Programming Language Internals</i> - Justus PIATER - Suppl : Guy LEDUC	30	30	-	<b>5</b>
INFO0063-1	<i>Object-Oriented Software Engineering</i> - Bernard BOIGELOT	30	30	-	<b>5</b>
INFO0009-1	<i>Introduction to Data Bases</i> - Pierre WOLPER	30	30	-	<b>5</b>
INFO0010-1	<i>Introduction to Computer Networks</i> - Guy LEDUC	30	30	-	<b>5</b>
INFO0016-1	<i>Introduction to the Theory of Computation (english)</i> - Pierre WOLPER	30	30	-	<b>5</b>
INFO0025-1	<i>Compilers and Compiler Writers</i> - Pierre-Arnoul DE MARNEFFE	30	30	-	<b>5</b>
INFO0051-1	<i>Artificial Intelligence Logics</i> - Pascal GRIBOMONT	30	30	-	<b>5</b>
ATFE0001-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	<b>20</b>