

| <b>Faculty of Technology</b><br><b>-- HOGESCHOOL GENT --</b>                                             |                                                                                          |      |         |      |      |      |            |          |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------|---------|------|------|------|------------|----------|
| 2nd year Bachelor in electromechanics - Main Subject: Business Automation<br>[Academic Year 2008 - 2009] |                                                                                          |      |         |      |      |      |            |          |
| No.                                                                                                      | Course                                                                                   | Sem. | P-T 2Y. | A    | B    | C    | D          | E        |
| 1                                                                                                        | communication skills 2                                                                   | 1    | 1       | 36.0 |      | 36.0 | <b>150</b> | <b>6</b> |
| 2                                                                                                        | technical mathematics                                                                    | 1    | 1       | 24.0 |      | 12.0 | <b>75</b>  | <b>3</b> |
| 3                                                                                                        | applied informatics                                                                      | 1    | 1       | 36.0 | 36.0 | 24.0 | <b>175</b> | <b>7</b> |
| 4                                                                                                        | safety, quality assurance and environmental technology                                   | 1    | 2       | 24.0 |      |      | <b>75</b>  | <b>3</b> |
| 5                                                                                                        | 1 course unit worth 3 ECTS credits to be chosen from the list with optional course units |      | 1       |      |      |      | <b>75</b>  | <b>3</b> |
|                                                                                                          | - general studies                                                                        | 2    |         | 10.0 |      | 65.0 | 75         | 3        |
|                                                                                                          | - social philosophy and ethics                                                           | 2    |         | 24.0 |      | 12.0 | 75         | 3        |
|                                                                                                          | - social economics                                                                       | 2    |         | 24.0 |      | 12.0 | 75         | 3        |
|                                                                                                          | - history of science                                                                     | 2    |         | 24.0 |      | 12.0 | 75         | 3        |
|                                                                                                          | - language placement in Germany                                                          | 2    |         |      | 15.0 | 36.0 | 75         | 3        |
|                                                                                                          | - language placement in Spain                                                            | 2    |         |      | 15.0 | 36.0 | 75         | 3        |
| 6                                                                                                        | controls and automation                                                                  | 2    | 2       | 24.0 | 48.0 | 12.0 | <b>175</b> | <b>7</b> |
| 7                                                                                                        | power electronics                                                                        | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>75</b>  | <b>3</b> |
| 8                                                                                                        | electrical machines                                                                      | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>100</b> | <b>4</b> |
| 9                                                                                                        | mechanics                                                                                | 1    | 1       | 12.0 |      | 12.0 | <b>75</b>  | <b>3</b> |
| 10                                                                                                       | microcontrollers                                                                         | 1    | 2       | 12.0 | 24.0 | 12.0 | <b>100</b> | <b>4</b> |
| 11                                                                                                       | industrial automation                                                                    | 2    | 1       | 48.0 | 60.0 |      | <b>225</b> | <b>9</b> |

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| 2nd year Bachelor in electromechanics - Main Subject: Business Automation<br>[Academic Year 2008 - 2009] |                                     |      |         |   |   |      |             |           |
| No.                                                                                                      | Course                              | Sem. | P-T 2Y. | A | B | C    | D           | E         |
| 12                                                                                                       | cross-curricular project 2          | 2    | 2       |   |   | 96.0 | <b>200</b>  | <b>8</b>  |
|                                                                                                          | Code: TCEMEB - 00 - 02 version : 07 |      |         |   |   |      | <b>1500</b> | <b>60</b> |

DT = courses can be taken on a part-time basis, 1 = first part, 2 = second part, etc