

**Toelichting:** Informatie invullen in de witte velden. Sommige velden hebben een keuzemenu!

|            |                                 |
|------------|---------------------------------|
| Opleiding  | Technicus mechatronica systemen |
| Studieduur | 3 jaar                          |
| Niveau     | 3                               |
| Crebo      | 25344                           |
| Leerweg    | BBL                             |
| Cohort     | 2019                            |

GNT\_2019-05-22


### Fasering van de opleiding

|                   |                      | Reguliere lesweken | Introduct- of toetsweek | BPV (indien gepland) | Toelichting |
|-------------------|----------------------|--------------------|-------------------------|----------------------|-------------|
| <b>Leerjaar 1</b> | Blok 1               | 9                  | 1                       | 10                   |             |
|                   | Blok 2               | 9                  | 1                       | 10                   |             |
|                   | Blok 3               | 9                  | 1                       | 10                   |             |
|                   | Blok 4               | 9                  | 1                       | 10                   |             |
|                   | Effectieve lesweken  | 36                 |                         |                      |             |
|                   | Toetsweken e.d.      | 4                  |                         |                      |             |
|                   | <b>Totaal / blok</b> | <b>40</b>          |                         |                      |             |

|                   |                      | Reguliere lesweken | Toetsweek e.d. | BPV (indien gepland) | Toelichting |
|-------------------|----------------------|--------------------|----------------|----------------------|-------------|
| <b>Leerjaar 2</b> | Blok 1               | 9                  | 1              | 10                   |             |
|                   | Blok 2               | 9                  | 1              | 10                   |             |
|                   | Blok 3               | 9                  | 1              | 10                   |             |
|                   | Blok 4               | 9                  | 3              | 10                   |             |
|                   | Effectieve lesweken  | 36                 |                |                      |             |
|                   | Toetsweken e.d.      | 6                  |                |                      |             |
|                   | <b>Totaal / blok</b> | <b>42</b>          |                |                      |             |

|                   |                      | Reguliere lesweken | Toetsweek e.d. | BPV (indien gepland) | Toelichting |
|-------------------|----------------------|--------------------|----------------|----------------------|-------------|
| <b>Leerjaar 3</b> | Blok 1               | 9                  | 1              | 10                   |             |
|                   | Blok 2               | 9                  | 1              | 10                   |             |
|                   | Blok 3               | 9                  | 1              | 10                   |             |
|                   | Blok 4               | 7                  | 3              | 7                    |             |
|                   | Effectieve lesweken  | 34                 |                |                      |             |
|                   | Toetsweken e.d.      | 6                  |                |                      |             |
|                   | <b>Totaal / blok</b> | <b>40</b>          |                |                      |             |

|                   |                      | Reguliere lesweken | Toetsweek e.d. | BPV (indien gepland) | Toelichting |
|-------------------|----------------------|--------------------|----------------|----------------------|-------------|
| <b>Leerjaar 4</b> | Blok 1               |                    |                |                      |             |
|                   | Blok 2               |                    |                |                      |             |
|                   | Blok 3               |                    |                |                      |             |
|                   | Blok 4               |                    |                |                      |             |
|                   | Effectieve lesweken  | 0                  |                |                      |             |
|                   | Toetsweken           | 0                  |                |                      |             |
|                   | <b>Totaal / blok</b> | <b>0</b>           |                |                      |             |


|  <b>Lessen tabel</b> |                                     | Opleiding: Technicus mechatronica systemen |        |           |           |        |           |           |        |           |           |        |                 |        |
|---|-------------------------------------|--|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------------|--------|
|   |                                     | Leerjaar 1                                 |        |           |           |        |           |           |        |           |           |        |                 |        |
|   |                                     | Configuratie Doorstroom                    |        |           |           |        |           |           |        |           |           |        |                 |        |
|   |                                     | Periode 1                                  |        |           | Periode 2 |        |           | Periode 3 |        |           | Periode 4 |        |                 |        |
| Reguliere onderwijsactiviteiten   | uren/week                           | st.pt.                                     | totaal | uren/week | st.pt.    | totaal | uren/week | st.pt.    | totaal | uren/week | st.pt.    | totaal | Totaal /leerjr. |        |
| beroepsgericht  | Vaktheorie                          | 3,5  | 3      | 32        | 3,5       | 3      | 32        | 3,5       | 3      | 32        | 3,5       | 3      | 32              | 126    |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
| Keuzedelen  | K0080-Oriënt. op ondern-schap       | 2,0  | 2      | 18        | 2,0       | 2      | 18        | 2,0       | 2      | 18        | 2,0       | 2      | 18              | 72     |
|   | keuzedeel 2                         |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   | keuzedeel 3                         |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   |                                     |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   | <b>Beroepspraktijkvorming (BPV)</b> | 32,0                                       | 9      | 320       | 32,0      | 9      | 320       | 32,0      | 9      | 320       | 32,0      | 8      | 320             | 1280   |
| avo   | Nederlands                          | 1,0  | 1      | 9         | 1,0       | 1      | 9         | 1,0       | 1      | 9         | 1,0       | 1      | 9               | 36     |
|   | Rekenen                             |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
|   | Engels                              |  |        | 0         |           |        | 0         |           |        | 0         |           |        | 0               | 0      |
| I&b   | Loopbaan & burgerschap / TRJ        | 0,5  | 0      | 5         | 0,5       | 0      | 5         | 0,5       | 0      | 5         | 0,5       | 1      | 5               | 18     |
| <b>Totaal /blok</b>   |                                     | 39,0                                       | 15     | 383,0     | 39,0      | 15     | 383,0     | 39,0      | 15     | 383,0     | 39,0      | 15     | 383,0           | 1532,0 |

| Incidentele onderwijsactiviteiten | Uren/blok | Uren/blok | Uren/blok | Uren/blok | Totaal /leerjr. |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------------|
| Toetsing                          | 2,0       |           | 2,0       |           | 8,0             |
| Voortgangsdriehoeksgesprek        |           |           | 1,0       |           | 2,0             |
|                                   |           |           |           |           | 0,0             |
|                                   |           |           |           |           | 0,0             |
| <b>Totaal (incidenteel)</b>       | 2         |           | 3         |           | 10,0            |

| Verantwoording               | Blok 1 | Blok 2 | Blok 2 | Blok 4 | Totaal |
|------------------------------|--------|--------|--------|--------|--------|
| Begeleide onderwijsuren      | 65     | 66     | 65     | 66     | 262    |
| Uren BPV                     | 320    | 320    | 320    | 320    | 1280   |
| Uren onderwijstijd           | 385    | 386    | 385    | 386    | 1542   |
| Uren zelfstudie (indicatief) | 14     | 15     | 14     | 15     | 58     |


Toelichting: De uren onderwijstijd bestaan uit: 1) begeleide onderwijsuren én 2) uren beroepspraktijkvorming (BPV).

Bij de begeleide onderwijsuren gaat het om door de school aangeboden onderwijs dat wordt verzorgd door een docent. Bij uren BPV gaat het om het leren in de praktijk bij een bedrijf of een instelling. Bij zelfstudie gaat het om leeractiviteiten zoals huiswerk.

|  <b>Lessen tabel</b> |                                     | Opleiding: Technicus mechatronica systemen |        |        |           |        |        |           |        |        |           |        |        |                 |
|---|-------------------------------------|--|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------------|
|   |                                     | Leerjaar 2                                 |        |        |           |        |        |           |        |        |           |        |        |                 |
|   |                                     | Configuratie Doorstroom                    |        |        |           |        |        |           |        |        |           |        |        |                 |
|   |                                     | Periode 5                                  |        |        | Periode 6 |        |        | Periode 7 |        |        | Periode 8 |        |        |                 |
| Reguliere onderwijsactiviteiten   |                                     | uren/week                                  | st.pt. | totaal | uren/week | st.pt. | totaal | uren/week | st.pt. | totaal | uren/week | st.pt. | totaal | Totaal /leerjr. |
| <b>beroepsgericht</b>   | Vaktheorie                          | 3,0  | 3      | 27     | 3,0       | 3      | 27     | 1,0       | 1      | 9      | 2,5       | 2      | 23     | 86              |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
| <b>Keuzedelen</b>   | keuzedeel 1                         |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   | K0368-Basisv metaalbew              |  |        | 0      |           |        | 0      | 2,0       | 4      | 18     | 2,0       | 4      | 18     | 36              |
|   |                                     |  |        | 0      |           |        | 0      |           |        | 0      |           |        | 0      | 0               |
|   | <b>Beroepspraktijkvorming (BPV)</b> | 32,0                                       | 7      | 320    | 32,0      | 7      | 320    | 32,0      | 5      | 320    | 32,0      | 5      | 320    | 1280            |
|   | Nederlands                          | 1,0  | 1      | 9      | 1,0       | 1      | 9      | 1,0       | 1      | 9      | 1,0       | 1      | 9      | 36              |
|   | Rekenen                             | 1,0  | 2      | 9      | 1,0       | 2      | 9      | 1,0       | 2      | 9      | 1,0       | 2      | 9      | 36              |
| Engels  | 2,0                                 | 2  | 18     | 2,0    | 2         | 18     | 2,0    | 2         | 18     |        |           | 0      | 54     |                 |
| <b>I&amp;b</b>  | Loopbaan & burgerschap / TRJ        | 0,5  | 0      | 5      | 0,5       | 0      | 5      | 0,5       | 0      | 5      | 0,5       | 1      | 5      | 18              |
|   | <b>Totaal /blok</b>                 | 39,5                                       | 15     | 387,5  | 39,5      | 15     | 387,5  | 39,5      | 15     | 387,5  | 39,0      | 15     | 383,0  | 1545,5          |

| Incidentele onderwijsactiviteiten | Uren/blok | Uren/blok | Uren/blok | Uren/blok | Totaal /leerjr. |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------------|
| Toetsing                          | 2,0       |           | 2,0       |           | 8,0             |
| Voortgangsdriehoeksgesprek        |           |           | 1,0       |           | 2,0             |
|                                   |           |           |           |           | 0,0             |
|                                   |           |           |           |           | 0,0             |
| <b>Totaal (incidenteel)</b>       | 2         |           | 3         |           | 10,0            |

| Verantwoording               | Blok 1 | Blok 2 | Blok 2 | Blok 4 | Totaal |
|------------------------------|--------|--------|--------|--------|--------|
| Begeleide onderwijsuren      | 70     | 71     | 70     | 66     | 276    |
| Uren BPV                     | 320    | 320    | 320    | 320    | 1280   |
| Uren onderwijstijd           | 390    | 391    | 390    | 386    | 1556   |
| Uren zelfstudie (indicatief) | 11     | 11     | 11     | 11     | 45     |

|  <b>Lessen tabel</b> |                               | Opleiding: Technicus mechatronica systemen |           |              |               |           |              |               |           |              |               |           |              | Totaal/<br>leerjr. |
|---|-------------------------------|--|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|--------------------|
|   |                               | Leerjaar 3                                 |           |              |               |           |              |               |           |              |               |           |              |                    |
|   |                               | Configuratie                               |           |              | Doorstroom    |           |              |               |           |              |               |           |              |                    |
|   |                               | Periode 9                                  |           |              | Periode 10    |           |              | Periode 11    |           |              | Periode 12    |           |              |                    |
| Reguliere onderwijsactiviteiten   |                               | uren/<br>week                              | st.pt.    | totaal       | uren/<br>week | st.pt.    | totaal       | uren/<br>week | st.pt.    | totaal       | uren/<br>week | st.pt.    | totaal       | Totaal/<br>leerjr. |
| beroepsgericht  | Vaktheorie                    | 1,0  | 1         | 9            | 3,0           | 3         | 27           | 4,0           | 4         | 36           |               |           | 0            |                    |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
| Keuzedelen  |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   | K0205-Voorb hbo-wisk techniek | 1,0  | 2         | 9            | 1,0           | 2         | 9            | 1,0           | 2         | 9            | 2,0           | 2         | 14           | 41                 |
|   |                               |  |           | 0            |               |           | 0            |               |           | 0            |               |           | 0            | 0                  |
|   | Beroepspraktijkvorming (BPV)  | 32,0                                       | 8         | 320          | 32,0          | 8         | 320          | 32,0          | 8         | 320          | 32,0          | 8         | 224          | 1184               |
| avo   | Nederlands                    | 1,5  | 1         | 14           | 1,5           | 1         | 14           | 1,5           | 1         | 14           | 1,5           | 1         | 11           | 51                 |
|   | Rekenen                       | 1,0  | 2         | 9            | 1,0           | 2         | 9            |               |           | 0            |               |           | 0            | 18                 |
|   | Engels                        | 2,0  | 2         | 18           |               |           | 0            |               |           | 0            |               |           | 0            | 18                 |
| i&b   | Loopbaan & burgerschap        | 0,5  | 1         | 5            | 0,5           | 0         | 5            | 0,5           | 1         | 5            | 0,5           | 0         | 4            | 17                 |
| <b>Totaal /blok</b>   |                               | <b>39,0</b>                                | <b>17</b> | <b>383,0</b> | <b>39,0</b>   | <b>16</b> | <b>383,0</b> | <b>39,0</b>   | <b>16</b> | <b>383,0</b> | <b>36,0</b>   | <b>11</b> | <b>252,0</b> | <b>1401,0</b>      |

| Incidentele onderwijsactiviteiten | Uren/blok | Uren/blok | Uren/blok | Uren/blok | Totaal/<br>leerjr. |
|-----------------------------------|-----------|-----------|-----------|-----------|--------------------|
| Toetsing                          | 2,0       | 2,0       | 2,0       | 2,0       | 8,0                |
| Voortgangsdriehoeksgesprek        | 1,0       |           | 1,0       |           | 2,0                |
| Proeve van Bekwaamheid            |           |           |           | 40,0      | 40,0               |
|                                   |           |           |           |           | 0,0                |
| <b>Totaal (incidenteel)</b>       | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>42</b> | <b>50,0</b>        |

| Verantwoording               | Blok 1 | Blok 2 | Blok 2 | Blok 4 | Totaal |
|------------------------------|--------|--------|--------|--------|--------|
| Begeleide onderwijsuren      | 66     | 65     | 66     | 70     | 267    |
| Uren BPV                     | 320    | 320    | 320    | 224    | 1184   |
| Uren onderwijstijd           | 386    | 385    | 386    | 294    | 1451   |
| Uren zelfstudie (indicatief) | 37     | 36     | 37     | 39     | 149    |