



**POLITECNICO**  
MILANO 1863

**Academic Year 2020/2021**

**School of Industrial and Information Engineering**

**Courses offered by the programme**

**Management Engineering (479)**

Master of Science degree (Ordinamento 270/04)

Milano Bovisa campus


**Class of degree**

LM-31 - Management engineering

## Glossary

| <b>Course type (Type)</b> |                          |
|---------------------------|--------------------------|
| I                         | Integrated Course        |
| M                         | Mono-Disciplinary Course |
| V                         | Final Examination        |

| <b>Educational activities (Att Form)</b> |                                   |
|--|-----------------------------------|
| B  | Identifying activities            |
| C  | Similar or integrative activities |

| <b>Innovative teaching</b>  |   |
|---|---|
|  | <p>The credits shown next to this symbol indicate the part of the course CFUs provided with Innovative teaching.<br/>           These CFUs include:</p> <ul style="list-style-type: none"> <li>- Subject taught jointly with companies or organizations</li> <li>- Blended Learning &amp; Flipped Classroom</li> <li>- Massive Open Online Courses (MOOC)</li> <li>- Soft Skills</li> </ul> |

| <b>Semester (Sem)</b> |                 |
|-----------------------|-----------------|
| 1                     | First Semester  |
| 2                     | Second Semester |
| A                     | Annual course   |

| <b>Alphabetical group (Students from ... to ...)</b>             |  |
|--|--|
| Alphabetical groups are defined as FROM (included) TO (excluded) |  |

**1st Year courses****Track AM - INDUSTRY 4.0**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|--|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN       | M    | 1   | 10.0              | 30.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 2   | 10.0              |           |
| 054697 | B,C      | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 1   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN       | M    | 1   | 10.0              |           |

**Track DBM - DIGITAL BUSINESS AND MARKET INNOVATION**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|--|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN       | M    | 1   | 10.0              | 20.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN       | M    | 1   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN       | M    | 2   | 10.0              |           |

|        |     |            |  |    |   |   |                   |      |
|--------|-----|------------|--|----|---|---|-------------------|------|
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 1 | 10.0              |      |
| 052909 | B,C | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i> | EN | M | 2 | 10.0<br>[1.0 (E)] | 10.0 |

**Track DMI - DESIGN MANAGEMENT, INNOVATION AND ENTREPRENEURSHIP**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title  | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|---|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Amaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                  | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>  | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>  | EN       | M    | 1   | 10.0              | 20.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>  | EN       | M    | 2   | 10.0              |           |
| 054697 | B,C      | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>  | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>   | EN       | M    | 1   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>  | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>   | EN       | M    | 1   | 10.0              |           |
| 052909 | B,C      | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i>  | EN       | M    | 2   | 10.0<br>[1.0 (E)] | 10.0      |

**Track EEM - ENERGY AND ENVIRONMENTAL MANAGEMENT**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title  | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|---|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Amaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                  | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>  | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>  | EN       | M    | 1   | 10.0              | 20.0      |

|        |     |            |  |    |   |   |                   |      |
|--------|-----|------------|--|----|---|---|-------------------|------|
| 096090 | B,C | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN | M | 2 | 10.0              |      |
| 054697 | B,C | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN | M | 2 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN | M | 2 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN | M | 1 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN | M | 2 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 1 | 10.0              |      |
| 052909 | B,C | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i> | EN | M | 2 | 10.0<br>[1.0 (E)] | 10.0 |

**Track FIN - FINANCE**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|--|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN       | M    | 1   | 10.0              | 20.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN       | M    | 1   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 1   | 10.0              |           |
| 052909 | B,C      | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i>   | EN       | M    | 2   | 10.0<br>[1.0 (E)] | 10.0      |

**Track IB - INTERNATIONAL BUSINESS**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU  | CFU Group |
|--------|----------|------------|--|----------|------|-----|------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0 | 10.0      |

|        |     |            |  |    |   |   |                   |      |
|--------|-----|------------|--|----|---|---|-------------------|------|
| 052795 | B,C | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i> | EN | M | 1 | 10.0<br>[1.0 (E)] | 10.0 |
| 052796 | B,C | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN | M | 2 | 10.0<br>[2.0 (E)] | 10.0 |
| 096090 | B,C | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN | M | 1 | 10.0              | 20.0 |
| 096090 | B,C | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN | M | 2 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN | M | 2 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN | M | 1 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN | M | 2 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 1 | 10.0              |      |
| 052909 | B,C | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i>   | EN | M | 2 | 10.0<br>[1.0 (E)] | 10.0 |

**Track IM - INDUSTRIAL MANAGEMENT**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|--|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN       | M    | 1   | 10.0              | 30.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 2   | 10.0              |           |
| 054697 | B,C      | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 1   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN       | M    | 1   | 10.0              |           |

**Track OSI - SUSTAINABLE OPERATIONS MANAGEMENT AND SOCIAL INNOVATION**

Campus: Milano Bovisa

Track offered in English

| Code | Act type | SSD | Course Title | Language | Type | Sem | CFU | CFU Group |
|------|----------|-----|--------------|----------|------|-----|-----|-----------|
|------|----------|-----|--------------|----------|------|-----|-----|-----------|

|        |     |            |  |    |   |   |                   |      |
|--------|-----|------------|--|----|---|---|-------------------|------|
| 096078 | B,C | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN | M | 1 | 10.0              | 10.0 |
| 052795 | B,C | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN | M | 1 | 10.0<br>[1.0 (E)] | 10.0 |
| 052796 | B,C | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN | M | 2 | 10.0<br>[2.0 (E)] | 10.0 |
| 096090 | B,C | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN | M | 1 | 10.0              | 30.0 |
| 096090 | B,C | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN | M | 2 | 10.0              |      |
| 054697 | B,C | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN | M | 2 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN | M | 2 | 10.0              |      |
| 096089 | B,C | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 1 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN | M | 2 | 10.0              |      |
| 096088 | B,C | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN | M | 1 | 10.0              |      |

**Track SCM - SUPPLY CHAIN MANAGEMENT**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD        | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|------------|--|----------|------|-----|-------------------|-----------|
| 096078 | B,C      | ING-IND/35 | ACCOUNTING, FINANCE & CONTROL<br><i>Students form A to CAM - Arnaboldi Michela</i><br><i>Students form CAM to DEZ - Maccarrone Paolo</i><br><i>Students form DEZ to GIA - Lettieri Emanuele</i><br><i>Students form GIA to ROZ - Agostino Deborah</i><br><i>Students form ROZ to ZZZZ - Arena Marika</i> | EN       | M    | 1   | 10.0              | 10.0      |
| 052795 | B,C      | ING-IND/35 | STRATEGY & MARKETING<br><i>Students form A to CAM - Chiesa Vittorio</i><br><i>Students form CAM to DEZ - Noci Giuliano</i><br><i>Students form DEZ to GIA - Ghezzi Antonio</i><br><i>Students form GIA to ROZ - Kotlar Josip</i><br><i>Students form ROZ to ZZZZ - Chiaroni Davide</i>                   | EN       | M    | 1   | 10.0<br>[1.0 (E)] | 10.0      |
| 052796 | B,C      | ING-IND/35 | LEADERSHIP & INNOVATION<br><i>Students form A to CI - Bellini Emilio</i><br><i>Students form CI to KL - Canterino Filomena</i><br><i>Students form KL to Q - Corso Mariano</i><br><i>Students form Q to ZZZZ - Buganza Tommaso</i>   | EN       | M    | 2   | 10.0<br>[2.0 (E)] | 10.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN       | M    | 1   | 10.0              | 20.0      |
| 096090 | B,C      | ING-IND/17 | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 2   | 10.0              |           |
| 054697 | B,C      | ING-IND/16 | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN       | M    | 2   | 10.0              |           |
| 096088 | B,C      | ING-IND/17 | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN       | M    | 1   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN       | M    | 2   | 10.0              |           |
| 096089 | B,C      | ING-IND/17 | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 1   | 10.0              |           |
| 052909 | B,C      | ING-IND/35 | BUSINESS & INDUSTRIAL ECONOMICS<br><i>Students form A to G - Rossi Cristina</i><br><i>Students form G to P - Grilli Luca</i><br><i>Students form P to ZZZZ - Garrone Paola Maria</i>   | EN       | M    | 2   | 10.0<br>[1.0 (E)] |           |



**2nd Year courses****Track AM - INDUSTRY 4.0**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                                    | Course Title  | Language | Type | Sem   | CFU               | CFU Group |
|--------|----------|--|---|----------|------|-------|-------------------|-----------|
| 055014 | B,C      | ING-IND/16<br>ING-IND/17               | SMART MANUFACTURING LAB<br><i>Students form A to ZZZZ</i><br>- 055013 SMART MANUFACTURING LAB [2] - 3 Sem (?) - Macchi Marco<br>- 055012 SMART MANUFACTURING LAB [1] - 3 Sem (?) - Urigo Marcello | EN       | I    | A (2) | 15.0<br>[5.0 (a)] | 15.0      |
| 054202 | B,C      | ING-IND/16                             | MANUFACTURING SYSTEMS ENGINEERING I<br><i>Students form A to ZZZZ - Tolio Tullio Antonio Maria</i>  | EN       | M    | 1     | 5.0               | 5.0       |
| 054206 | B,C      | ING-IND/17                             | ADVANCED PRODUCTION SYSTEMS<br><i>Students form A to ZZZZ - Taisch Marco</i>  | EN       | M    | 1     | 5.0               | 5.0       |
| 054207 | B,C      | ING-INF/03<br>ING-INF/04<br>ING-INF/05 | INDUSTRIAL AUTOMATION, COMMUNICATION AND DATA MANAGEMENT<br><i>Students form A to ZZZZ - Cesana Matteo</i>  | EN       | M    | 1     | 5.0               | 5.0       |
| 097313 | B,C      | ING-IND/16                             | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN       | M    | 1     | 5.0               | 5.0       |
| 097314 | B,C      | ING-IND/16                             | DE-MANUFACTURING<br><i>Students form A to ZZZZ - Colledani Marcello</i>   | EN       | M    | 1     | 5.0               |           |
| 097315 | B,C      | ING-IND/17                             | SAFETY ENGINEERING AND MANAGEMENT<br><i>Students form A to ZZZZ - Trucco Paolo</i>  | EN       | M    | 1     | 5.0               |           |
| 097316 | B,C      | ING-IND/17                             | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>   | EN       | M    | 2     | 5.0               |           |
| 097317 | B,C      | ING-IND/35                             | MANAGEMENT OF DESIGN AND INNOVATION PROJECTS<br><i>Students form A to ZZZZ - Dell'Era Claudio</i>   | EN       | M    | 2     | 5.0               |           |
| --     | --       | --                                     | Courses to be chosen from Group FREELM  | --       | --   | --    | --                | 16.0      |
| 097318 | --       | --                                     | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 1     | 15.0              | 15.0      |
| 097318 | --       | --                                     | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 2     | 15.0              |           |

(2) Course offered in the second half-semester

**Track DBM - DIGITAL BUSINESS AND MARKET INNOVATION**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title   | Language | Type | Sem   | CFU               | CFU Group |
|--------|----------|--------------------------|--|----------|------|-------|-------------------|-----------|
| 052806 | B,C      | ING-IND/17<br>ING-IND/35 | DESIGNING DIGITAL BUSINESS INNOVATION LAB<br><i>Students form A to ZZZZ</i><br>- 052805 DIGITAL BUSINESS INNOVATION - Mangiaracina Riccardo<br>- 052804 DESIGNING DIGITAL BUSINESS INNOVATION LAB - Rangone Andrea | EN       | I    | 2     | 15.0<br>[5.0 (a)] | 15.0      |
| 097380 | B,C      | ING-IND/35               | MULTICHANNEL CUSTOMER STRATEGY<br><i>Students form A to ZZZZ - Lamberti Lucio</i>  | EN       | M    | 1     | 10.0              | 10.0      |
| 052911 | --       | SECS-S/01                | APPLIED STATISTICS<br><i>Students form A to ZZZZ - Secchi Piercesare</i>   | EN       | M    | 1     | 5.0<br>[1.0 (a)]  | 5.0       |
| 052487 | C        | INF/01                   | MACHINE LEARNING<br><i>Students form A to ZZZZ - Vercellis Carlo</i>   | EN       | M    | 1     | 5.0               |           |
| 097384 | C        | ING-INF/05               | DIGITAL TECHNOLOGY<br><i>Students form A to ZZZZ - Pernici Barbara</i>   | EN       | M    | 2     | 5.0               |           |
| 097313 | B,C      | ING-IND/16               | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>   | EN       | M    | 1     | 5.0               | 5.0       |
| 097362 | C        | ICAR/13                  | BRANDING AND COMMUNICATION<br><i>Students form A to ZZZZ - Docente non definito</i>  | EN       | M    | 2     | 5.0               |           |
| 052912 | B,C      | ING-IND/35               | PUBLIC MANAGEMENT<br><i>Students form A to ZZZZ - Agasisti Tommaso</i>   | EN       | M    | 1     | 5.0<br>[5.0 (a)]  |           |
| 097334 | B,C      | ING-IND/35               | SOCIAL INNOVATION<br><i>Students form A to ZZZZ - Calderini Mario</i>  | EN       | M    | 1     | 5.0               |           |
| 053729 | B,C      | ING-IND/17<br>ING-IND/35 | PURCHASING AND SUPPLY MANAGEMENT<br><i>Students form A to ZZZZ - Harland Christine Mary</i>  | EN       | M    | 1 (1) | 5.0               |           |
| --     | --       | --                       | Courses to be chosen from Group GESLM  | --       | --   | --    | --                | 8.0       |
| --     | --       | --                       | Courses to be chosen from Group FREELM (a)   | --       | --   | --    | --                | 8.0       |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 1     | 15.0              | 15.0      |



|        |    |    |  |    |   |   |      |  |
|--------|----|----|--|----|---|---|------|--|
| 097318 | -- | -- | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i> | EN | V | 2 | 15.0 |  |
|--------|----|----|--|----|---|---|------|--|

(\*) Course offered in the first half-semester

(a) It is possible to choose courses totaling 5 to 8 cfu (study plan total: 120-123 cfu)

**Track DMI - DESIGN MANAGEMENT, INNOVATION AND ENTREPRENEURSHIP**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title  | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|--------------------------|---|----------|------|-----|-------------------|-----------|
| 052811 | B,C      | ICAR/13<br>ING-IND/35    | DESIGN MANAGEMENT LAB<br><i>Students form A to ZZZZ</i><br>- 052807 DESIGN MANAGEMENT - Press Brian Joseph<br>- 052810 STRATEGIC DESIGN - Mortati Marzia<br>- 052809 DESIGN METHODS FOR INNOVATION - Cautela Cabrio | EN       | I    | 1   | 15.0<br>[5.0 (a)] | 15.0      |
| 098498 | B,C      | ING-IND/35               | DESIGN STRATEGY AND ECONOMICS OF INNOVATION<br><i>Students form A to ZZZZ</i><br>- 098497 ECONOMICS OF INNOVATION - Rossi Cristina<br>- 098496 DESIGN STRATEGY - Dell'Era Claudio                                   | EN       | I    | 1   | 10.0              | 10.0      |
| 097313 | B,C      | ING-IND/16               | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN       | M    | 1   | 5.0               | 10.0      |
| 097362 | C        | ICAR/13                  | BRANDING AND COMMUNICATION<br><i>Students form A to ZZZZ - Docente non definito</i>   | EN       | M    | 2   | 5.0               |           |
| 097325 | B,C      | ING-IND/17<br>ING-IND/35 | DIGITAL BUSINESS INNOVATION<br><i>Students form A to ZZZZ - Mangiaracina Riccardo</i>   | EN       | M    | 2   | 5.0               |           |
| 097364 | B,C      | ING-IND/35               | ENTREPRENEURSHIP ECONOMICS AND POLICY<br><i>Students form A to ZZZZ - Piva Evila</i>  | EN       | M    | 2   | 5.0               |           |
| 097317 | B,C      | ING-IND/35               | MANAGEMENT OF DESIGN AND INNOVATION PROJECTS<br><i>Students form A to ZZZZ - Dell'Era Claudio</i>   | EN       | M    | 2   | 5.0               |           |
| 097327 | B,C      | ING-IND/17               | PRODUCT LIFE CYCLE MANAGEMENT<br><i>Students form A to ZZZZ - Rossi Monica</i>  | EN       | M    | 2   | 5.0               |           |
| --     | --       | --                       | Courses to be chosen from Group GESLM   | --       | --   | --  | --                | 16.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 1   | 15.0              | 15.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 2   | 15.0              |           |

**Track EEM - ENERGY AND ENVIRONMENTAL MANAGEMENT**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title   | Language | Type | Sem | CFU               | CFU Group |
|--------|----------|--------------------------|--|----------|------|-----|-------------------|-----------|
| 052896 | B,C      | ING-IND/17<br>ING-IND/35 | ENERGY MANAGEMENT LAB<br><i>Students form A to ZZZZ</i><br>- 052895 ENERGY MANAGEMENT LAB [2] - Franzo' Simone<br>- 052894 ENERGY MANAGEMENT LAB [1] - Lapko Yulia | EN       | I    | 2   | 10.0<br>[5.0 (a)] | 10.0      |
| 097350 | B,C      | ING-IND/35               | MANAGEMENT OF ENERGY AND SUSTAINABILITY<br><i>Students form A to ZZZZ - Franzo' Simone</i>   | EN       | M    | 1   | 10.0              | 10.0      |
| --     | --       | --                       | Courses to be chosen from Group GESLM  | --       | --   | --  | --                | 5.0       |
| 097352 | B,C      | ING-IND/17               | INDUSTRIAL ECO-EFFICIENCY<br><i>Students form A to ZZZZ - Cagno Enrico</i>   | EN       | M    | 1   | 5.0               | 5.0       |
| 051113 | C        | ING-IND/10               | FUNDAMENTALS OF ENERGY TECHNOLOGIES<br><i>Students form A to ZZZZ - Zago Matteo</i>  | EN       | M    | 1   | 5.0               | 5.0       |
| 097355 | B,C      | ING-IND/35               | FINANCIAL RISK MANAGEMENT<br><i>Students form A to ZZZZ - Giorgino Marco</i>   | EN       | M    | 2   | 5.0               | 5.0       |
| 051509 | C        | IUS/10                   | DIRITTO DELL'ENERGIA<br><i>Students form A to ZZZZ - Giovannini Michele</i>  | IT       | M    | 1   | 5.0               |           |
| 097356 | B,C      | ING-IND/17               | INDUSTRIAL PROJECT MANAGEMENT B<br><i>Students form A to ZZZZ - Mancini Mauro</i>  | EN       | M    | 2   | 5.0               |           |
| 097321 | B,C      | ING-IND/17               | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN       | M    | 1   | 5.0               |           |
| 097334 | B,C      | ING-IND/35               | SOCIAL INNOVATION<br><i>Students form A to ZZZZ - Calderini Mario</i>  | EN       | M    | 1   | 5.0               |           |
| 097357 | C        | ING-IND/09               | POWER PRODUCTION FROM RENEWABLE ENERGY C<br><i>Students form A to ZZZZ - Silva Paolo</i>   | EN       | M    | 2   | 5.0               |           |
| --     | --       | --                       | Courses to be chosen from Group FREELM   | --       | --   | --  | --                | 8.0       |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 1   | 15.0              | 15.0      |

|        |    |    |  |    |   |   |      |  |
|--------|----|----|--|----|---|---|------|--|
| 097318 | -- | -- | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i> | EN | V | 2 | 15.0 |  |
|--------|----|----|--|----|---|---|------|--|

**Track FIN - FINANCE**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                     | Course Title  | Language | Type | Sem   | CFU             | CFU Group |
|--------|----------|-------------------------|---|----------|------|-------|-----------------|-----------|
| 052802 | B,C      | ING-IND/35              | FINANCE LAB + CORPORATE FINANCE<br><i>Students form A to ZZZZ</i><br>- 052801 CORPORATE FINANCE - Giudici Giancarlo<br>- 052800 FINANCE LAB - Giudici Giancarlo   | EN       | I    | A     | 15.0<br>[5.0 @] | 15.0      |
| 098472 | B,C      | ING-IND/35<br>SECS-P/01 | FINANCIAL MARKETS AND INSTITUTIONS +<br>MACROECONOMICS OF FINANCE<br><i>Students form A to ZZZZ</i><br>- 098471 MACROECONOMICS OF FINANCE - Florio Anna Paola<br>- 098470 FINANCIAL MARKETS AND INSTITUTIONS - Giorgino Marco | EN       | I    | 1     | 10.0            | 10.0      |
| 097387 | C        | SECS-P/05               | FINANCIAL ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>  | EN       | M    | 2     | 5.0             | 5.0       |
| 097388 | B,C      | ING-IND/35              | ENTREPRENEURIAL FINANCE<br><i>Students form A to ZZZZ - Colombo Massimo Gaetano</i>   | EN       | M    | 1     | 5.0             |           |
| 097355 | B,C      | ING-IND/35              | FINANCIAL RISK MANAGEMENT<br><i>Students form A to ZZZZ - Giorgino Marco</i>  | EN       | M    | 2     | 5.0             |           |
| 097391 | B,C      | ING-IND/35              | INVESTMENT BANKING<br><i>Students form A to ZZZZ - Grassi Laura</i>   | EN       | M    | 1 (1) | 5.0             |           |
| 097387 | C        | SECS-P/05               | FINANCIAL ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>  | EN       | M    | 2     | 5.0             | 5.0       |
| 097388 | B,C      | ING-IND/35              | ENTREPRENEURIAL FINANCE<br><i>Students form A to ZZZZ - Colombo Massimo Gaetano</i>   | EN       | M    | 1     | 5.0             |           |
| 097364 | B,C      | ING-IND/35              | ENTREPRENEURSHIP ECONOMICS AND POLICY<br><i>Students form A to ZZZZ - Piva Evila</i>  | EN       | M    | 2     | 5.0             |           |
| 097355 | B,C      | ING-IND/35              | FINANCIAL RISK MANAGEMENT<br><i>Students form A to ZZZZ - Giorgino Marco</i>  | EN       | M    | 2     | 5.0             |           |
| 097391 | B,C      | ING-IND/35              | INVESTMENT BANKING<br><i>Students form A to ZZZZ - Grassi Laura</i>   | EN       | M    | 1 (1) | 5.0             |           |
| 097321 | B,C      | ING-IND/17              | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i>  | EN       | M    | 1     | 5.0             |           |
| --     | --       | --                      | Courses to be chosen from Group GESLM   | --       | --   | --    | --              | 8.0       |
| --     | --       | --                      | Courses to be chosen from Group FREELM <sup>(a)</sup>   | --       | --   | --    | --              | 8.0       |
| 097318 | --       | --                      | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 1     | 15.0            | 15.0      |
| 097318 | --       | --                      | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>  | EN       | V    | 2     | 15.0            |           |

(1) Course offered in the first half-semester

(a) It is possible to choose courses totaling 5 to 8 cfu (study plan total: 120-123 cfu)

**Track IB - INTERNATIONAL BUSINESS**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title  | Language | Type | Sem | CFU             | CFU Group |
|--------|----------|--------------------------|---|----------|------|-----|-----------------|-----------|
| 052899 | B,C      | ING-IND/17<br>ING-IND/35 | INVEST IN FOREIGN MARKETS LAB<br><i>Students form A to ZZZZ - Elia Stefano</i>  | EN       | M    | 2   | 15.0<br>[5.0 @] | 15.0      |
| 097367 | C        | SECS-P/01                | INTERNATIONAL ECONOMICS<br><i>Students form A to ZZZZ - Manchin Miriam Judit</i>  | EN       | M    | 1   | 10.0            | 10.0      |
| 097370 | B,C      | ING-IND/35               | ECONOMICS AND MANAGEMENT OF MULTINATIONAL<br>ENTERPRISES<br><i>Students form A to ZZZZ - Hennart Jean-Francois Marie Andre'</i> | EN       | M    | 1   | 5.0             | 5.0       |
| 097374 | C        | SECS-P/02                | INTERNATIONAL MARKETS AND EUROPEAN INSTITUTIONS<br><i>Students form A to ZZZZ - Tajoli Lucia</i>                                | EN       | M    | 1   | 5.0             |           |
| 097370 | B,C      | ING-IND/35               | ECONOMICS AND MANAGEMENT OF MULTINATIONAL<br>ENTERPRISES<br><i>Students form A to ZZZZ - Hennart Jean-Francois Marie Andre'</i> | EN       | M    | 1   | 5.0             | 5.0       |
| 097316 | B,C      | ING-IND/17               | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>   | EN       | M    | 2   | 5.0             |           |
| 097374 | C        | SECS-P/02                | INTERNATIONAL MARKETS AND EUROPEAN INSTITUTIONS<br><i>Students form A to ZZZZ - Tajoli Lucia</i>                                | EN       | M    | 1   | 5.0             |           |

|        |    |    |  |    |    |    |      |      |
|--------|----|----|--|----|----|----|------|------|
| --     | -- | -- | Courses to be chosen from Group GESLM                                | -- | -- | -- | --   | 16.0 |
| 097318 | -- | -- | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i> | EN | V  | 1  | 15.0 | 15.0 |
| 097318 | -- | -- | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i> | EN | V  | 2  | 15.0 |      |

**Track IM - INDUSTRIAL MANAGEMENT**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title   | Language | Type | Sem              | CFU             | CFU Group |
|--------|----------|--------------------------|--|----------|------|------------------|-----------------|-----------|
| 052905 | B,C      | ING-IND/17               | INDUSTRIAL MANAGEMENT LAB AND TOOLBOX<br><i>Students form A to ZZZZ</i><br>- 052904 INDUSTRIAL MANAGEMENT TOOLBOX (MODELS AND TOOLS) - Portioli Staudacher Alberto<br>- 052903 INDUSTRIAL MANAGEMENT LAB - Portioli Staudacher Alberto | EN       | I    | 1                | 15.0<br>[5.0 @] | 15.0      |
| 052908 | B,C      | ING-IND/17               | INDUSTRIAL MANAGEMENT LAB AND TOOLBOX<br><i>Students form A to ZZZZ</i><br>- 052907 INDUSTRIAL MANAGEMENT TOOLBOX (MODELS AND TOOLS) - Portioli Staudacher Alberto<br>- 052906 INDUSTRIAL MANAGEMENT LAB - Portioli Staudacher Alberto | EN       | I    | 2                | 15.0<br>[5.0 @] |           |
| 097319 | B,C      | ING-IND/17               | ASSET LIFE CYCLE MANAGEMENT<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 1                | 10.0            | 10.0      |
| 097320 | B,C      | ING-IND/17               | INDUSTRIAL PROJECT MANAGEMENT A<br><i>Students form A to ZZZZ - Mancini Mauro</i>  | EN       | M    | 1                | 10.0            |           |
| 097321 | B,C      | ING-IND/17               | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN       | M    | 1                | 5.0             | 5.0       |
| 097323 | B,C      | ING-IND/17               | QUALITY MANAGEMENT<br><i>Students form A to ZZZZ - Brun Alessandro</i>   | EN       | M    | 1                | 5.0             |           |
| 097313 | B,C      | ING-IND/16               | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>   | EN       | M    | 1                | 5.0             | 5.0       |
| 097314 | B,C      | ING-IND/16               | DE-MANUFACTURING<br><i>Students form A to ZZZZ - Colledani Marcello</i>  | EN       | M    | 1                | 5.0             |           |
| 097325 | B,C      | ING-IND/17<br>ING-IND/35 | DIGITAL BUSINESS INNOVATION<br><i>Students form A to ZZZZ - Mangiaracina Riccardo</i>  | EN       | M    | 2                | 5.0             |           |
| 097316 | B,C      | ING-IND/17               | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 2                | 5.0             |           |
| 097327 | B,C      | ING-IND/17               | PRODUCT LIFE CYCLE MANAGEMENT<br><i>Students form A to ZZZZ - Rossi Monica</i>   | EN       | M    | 2                | 5.0             |           |
| 097315 | B,C      | ING-IND/17               | SAFETY ENGINEERING AND MANAGEMENT<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN       | M    | 1                | 5.0             |           |
| 053729 | B,C      | ING-IND/17<br>ING-IND/35 | PURCHASING AND SUPPLY MANAGEMENT<br><i>Students form A to ZZZZ - Harland Christine Mary</i>  | EN       | M    | 1 <sup>(1)</sup> | 5.0             |           |
| --     | --       | --                       | Courses to be chosen from Group FREELM   | --       | --   | --               | --              | 16.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 1                | 15.0            | 15.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 2                | 15.0            |           |

<sup>(1)</sup> Course offered in the first half-semester**Track OSI - SUSTAINABLE OPERATIONS MANAGEMENT AND SOCIAL INNOVATION**

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                                | Course Title  | Language | Type | Sem | CFU             | CFU Group |
|--------|----------|------------------------------------|---|----------|------|-----|-----------------|-----------|
| 052902 | B,C      | ING-IND/17<br>ING-IND/35<br>SPS/04 | BUSINESS IN TRANSFORMATION: SOCIAL AND SUSTAINABILITY CHALLENGES LAB<br><i>Students form A to ZZZZ</i><br>- 052901 BUSINESS IN TRANSFORMATION: SOCIAL AND SUSTAINABILITY CHALLENGES LAB [2] - De Bruijn Johan Adam<br>- 052900 BUSINESS IN TRANSFORMATION: SOCIAL AND SUSTAINABILITY CHALLENGES LAB [1] - Bengo Irene | EN       | I    | 1   | 15.0<br>[5.0 @] | 15.0      |
| 054205 | B,C      | ING-IND/17                         | ADVANCED AND SUSTAINABLE MANUFACTURING<br><i>Students form A to ZZZZ</i><br>- 054204 SUSTAINABLE MANUFACTURING - 1 Sem <sup>(?)</sup> - Taisch Marco<br>- 054203 ADVANCED PRODUCTION SYSTEMS - 1 Sem <sup>(1)</sup> - Taisch Marco  | EN       | I    | 1   | 10.0            | 10.0      |
| 097334 | B,C      | ING-IND/35                         | SOCIAL INNOVATION<br><i>Students form A to ZZZZ - Calderini Mario</i>   | EN       | M    | 1   | 5.0             | 5.0       |
| 097314 | B,C      | ING-IND/16                         | DE-MANUFACTURING<br><i>Students form A to ZZZZ - Colledani Marcello</i>   | EN       | M    | 1   | 5.0             | 5.0       |

|        |     |            |  |    |    |    |      |      |
|--------|-----|------------|--|----|----|----|------|------|
| 097337 | B,C | ING-IND/35 | HEALTH CARE MANAGEMENT<br><i>Students form A to ZZZZ - Lettieri Emanuele</i>               | EN | M  | 2  | 5.0  |      |
| 097316 | B,C | ING-IND/17 | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>              | EN | M  | 2  | 5.0  |      |
| 097335 | B,C | ING-IND/35 | ECONOMICS OF NETWORK INDUSTRIES<br><i>Students form A to ZZZZ - Docente non definito</i>   | EN | M  | 2  | 5.0  |      |
| 097321 | B,C | ING-IND/17 | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i> | EN | M  | 1  | 5.0  |      |
| 097338 | C   | SPS/04     | POLICY ANALYSIS<br><i>Students form A to ZZZZ - Vecchi Giancarlo</i>                       | EN | M  | 2  | 5.0  |      |
| --     | --  | --         | Courses to be chosen from Group GESLM  | -- | -- | -- | --   | 8.0  |
| --     | --  | --         | Courses to be chosen from Group FREELM <sup>(a)</sup>                                      | -- | -- | -- | --   | 8.0  |
| 097318 | --  | --         | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>                       | EN | V  | 1  | 15.0 | 15.0 |
| 097318 | --  | --         | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>                       | EN | V  | 2  | 15.0 |      |

(<sup>1</sup>) Course offered in the first half-semester

(<sup>2</sup>) Course offered in the second half-semester

(a) It is possible to choose courses totaling 5 to 8 cfu (study plan total: 120-123 cfu)

### Track SCM - SUPPLY CHAIN MANAGEMENT

Campus: Milano Bovisa

Track offered in English

| Code   | Act type | SSD                      | Course Title   | Language | Type | Sem | CFU                           | CFU Group |
|--------|----------|--------------------------|--|----------|------|-----|-------------------------------|-----------|
| 055898 | B,C      | ING-IND/35               | SUPPLIER RELATIONSHIP MANAGEMENT LAB   | EN       | I    | 2   | 10.0<br>[5.0 <sup>(a)</sup> ] | 10.0      |
| 055901 | B,C      | ING-IND/17               | ADVANCED SUPPLY CHAIN PLANNING LAB<br><i>Students form A to ZZZZ</i><br>- 055900 ADVANCED SUPPLY CHAIN PLANNING LAB [2] - Miragliotta Giovanni<br>- 055899 ADVANCED SUPPLY CHAIN PLANNING LAB [1] - Docente non definito | EN       | I    | 2   | 10.0<br>[5.0 <sup>(a)</sup> ] | 10.0      |
| 056255 | B,C      | ING-IND/17<br>ING-IND/35 | SUPPLY CHAIN MANAGEMENT<br><i>Students form A to ZZZZ</i><br>- 056254 SUPPLY CHAIN PROCESSES - Docente non definito<br>- 056253 SOURCING AND PROCUREMENT - Harland Christine Mary  | EN       | I    | 1   | 10.0<br>[1.0 <sup>(a)</sup> ] | 10.0      |
| 097325 | B,C      | ING-IND/17<br>ING-IND/35 | DIGITAL BUSINESS INNOVATION<br><i>Students form A to ZZZZ - Mangiaracina Riccardo</i>  | EN       | M    | 2   | 5.0                           | 5.0       |
| 097316 | B,C      | ING-IND/17               | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN       | M    | 2   | 5.0                           |           |
| 097321 | B,C      | ING-IND/17               | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN       | M    | 1   | 5.0                           |           |
| 097323 | B,C      | ING-IND/17               | QUALITY MANAGEMENT<br><i>Students form A to ZZZZ - Brun Alessandro</i>   | EN       | M    | 1   | 5.0                           |           |
| --     | --       | --                       | Courses to be chosen from Group FREELM   | --       | --   | --  | --                            | 16.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 1   | 15.0                          | 15.0      |
| 097318 | --       | --                       | FINAL THESIS<br><i>Students form -- to -- - Docente non definito</i>   | EN       | V    | 2   | 15.0                          |           |

**Group list***Courses of the Group FREELM*

| Code   | Act type | SSD                                    | Course Title   | Language | Type | Sem   | CFU             |
|--------|----------|--|--|----------|------|-------|-----------------|
| 097313 | B,C      | ING-IND/16                             | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>   | EN       | M    | 1     | 5.0             |
| 097685 | C        | ING-INF/05                             | ADVANCED USER INTERFACES<br><i>Students form A to ZZZZ - Garzotto Franca</i>   | EN       | M    | 1     | 5.0             |
| 052911 | --       | SECS-S/01                              | APPLIED STATISTICS<br><i>Students form A to ZZZZ - Secchi Piercesare</i>   | EN       | M    | 1     | 5.0<br>[1.0 @]  |
| 055891 | B        | ING-INF/04                             | DATA-BASED MODELLING OF DYNAMICAL SYSTEMS AND OPTIMAL CONTROL<br><i>Students form A to ZZZZ - Tanelli Mara</i>                 | EN       | M    | 1     | 5.0             |
| 099374 | C        | ICAR/13<br>M-DEA/01                    | DESIGN METHODS<br><i>Students form A to ZZZZ - Docente non definito</i>  | EN       | M    | 1     | 6.0             |
| 055892 | C        | ING-INF/05                             | DIGITAL SECURITY MANAGEMENT<br><i>Students form A to ZZZZ - Fugini Mariagrazia</i>   | EN       | M    | 1     | 5.0             |
| 051509 | C        | IUS/10                                 | DIRITTO DELL'ENERGIA<br><i>Students form A to ZZZZ - Giovannini Michele</i>  | IT       | M    | 1     | 5.0             |
| 052793 | --       | SECS-P/03                              | ECONOMICS AND PERFORMANCE MEASUREMENT OF HEALTH CARE SYSTEMS<br><i>Students form A to ZZZZ - Pignataro Giacomo</i>             | EN       | M    | 1     | 10.0            |
| 054065 | C        | ING-IND/09                             | ENERGY CONVERSION A<br><i>Students form A to ZZZZ - Valenti Gianluca</i>   | EN       | M    | 1     | 10.0<br>[1.0 @] |
| 097381 | C        | ING-IND/10                             | ENGINEERING AND COOPERATION FOR DEVELOPMENT<br><i>Students form A to ZZZZ - Colombo Emanuela</i>                               | EN       | M    | 1     | 8.0             |
| 088976 | C        | MAT/05                                 | GAME THEORY<br><i>Students form A to ZZZZ - Docente non definito</i>   | EN       | M    | 1 (1) | 5.0             |
| 097451 | --       | ING-IND/15                             | HUMAN MODELLING IN ENGINEERING<br><i>Students form A to ZZZZ - Colombo Giorgio</i>   | EN       | M    | 1     | 6.0             |
| 054207 | B,C      | ING-INF/03<br>ING-INF/04<br>ING-INF/05 | INDUSTRIAL AUTOMATION, COMMUNICATION AND DATA MANAGEMENT<br><i>Students form A to ZZZZ - Cesana Matteo</i>                     | EN       | M    | 1     | 5.0             |
| 097367 | C        | SECS-P/01                              | INTERNATIONAL ECONOMICS<br><i>Students form A to ZZZZ - Manchin Miriam Judit</i>   | EN       | M    | 1     | 10.0            |
| 097374 | C        | SECS-P/02                              | INTERNATIONAL MARKETS AND EUROPEAN INSTITUTIONS<br><i>Students form A to ZZZZ - Tajoli Lucia</i>                               | EN       | M    | 1     | 5.0             |
| 051112 | C        | SECS-P/05                              | INTRODUCTORY ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>  | EN       | M    | 1     | 5.0             |
| 052487 | C        | INF/01                                 | MACHINE LEARNING<br><i>Students form A to ZZZZ - Vercellis Carlo</i>   | EN       | M    | 1     | 5.0             |
| 054952 | B,C      | ING-IND/16                             | MANUFACTURING SYSTEMS ENGINEERING II<br><i>Students form A to ZZZZ - Tollo Tullio Antonio Maria</i>                            | EN       | M    | 1     | 5.0             |
| 055895 | C        | MAT/05                                 | MATHEMATICAL METHODS AND MODELS<br><i>Students form A to ZZZZ - Verri Maurizio</i>   | IT       | M    | 1     | 5.0             |
| 055894 | --       | MAT/08                                 | NUMERICAL APPROXIMATION OF MATHEMATICAL MODELS AND APPLICATIONS<br><i>Students form A to ZZZZ - Antonietti Paola Francesca</i> | EN       | M    | 1     | 5.0             |
| 056048 | --       | M-FIL/02                               | PHILOSOPHY OF SCIENCE AND TECHNOLOGY<br><i>Students form - to - - Docente non definito</i>                                     | EN       | M    | 1     | 5.0<br>[5.0 @]  |
| 052537 | C        | ING-INF/05                             | TECHNOLOGIES FOR INFORMATION SYSTEMS<br><i>Students form A to ZZZZ - Tanca Letizia</i>   | EN       | M    | 1     | 5.0<br>[1.0 @]  |
| 055893 | --       | SECS-S/06                              | ADVANCED MATHEMATICAL MODELS IN FINANCE<br><i>Students form A to ZZZZ - Barucci Emilio</i>                                     | EN       | M    | 2     | 5.0             |
| 095912 | C        | ING-IND/10                             | ADVANCED THERMODYNAMICS AND THERMOECONOMICS<br><i>Students form A to ZZZZ - Colombo Emanuela</i>                               | EN       | M    | 2     | 8.0             |
| 091023 | C        | ING-INF/05                             | BUSINESS INFORMATION SYSTEMS 1<br><i>Students form A to ZZZZ - Francalanci Chiara</i>  | EN       | M    | 2     | 5.0             |
| 090874 | C        | ING-INF/05                             | BUSINESS INFORMATION SYSTEMS 2<br><i>Students form A to ZZZZ - Francalanci Chiara</i>  | EN       | M    | 2     | 5.0             |
| 056237 | --       | M-PED/03                               | COMMUNICATION AND ARGUMENTATION B<br><i>Students form A to ZZZZ - Di Blas Nicoletta</i>  | EN       | M    | 2     | 5.0<br>[5.0 @]  |
| 053480 | C        | INF/01                                 | COMPUTER SECURITY<br><i>Students form A to ZZZZ - Zanero Stefano</i>   | EN       | M    | 2     | 5.0             |
| 097454 | --       | ING-IND/15                             | COMPUTER VISION AND REVERSE ENGINEERING<br><i>Students form A to ZZZZ - Guidi Gabriele</i>                                     | EN       | M    | 2     | 6.0             |
| 095898 | C        | ING-INF/05                             | COMPUTING INFRASTRUCTURES<br><i>Students form A to ZZZZ - Palermo Gianluca</i>   | EN       | M    | 2     | 5.0             |
| 055806 | --       | M-FIL/02                               | CRITICAL THINKING<br><i>Students form A to ZZZZ - Chiffi Daniele</i>   | EN       | M    | 2     | 5.0<br>[5.0 @]  |

|        |     |                          |  |    |   |   |                 |
|--------|-----|--------------------------|--|----|---|---|-----------------|
| 097741 | C   | MAT/09                   | DECISION MODELS<br><i>Students form A to ZZZZ - Colomi Vitale Alberto</i>  | EN | M | 2 | 5.0             |
| 097384 | C   | ING-INF/05               | DIGITAL TECHNOLOGY<br><i>Students form A to ZZZZ - Pernici Barbara</i>   | EN | M | 2 | 5.0             |
| 054445 | C   | ING-INF/05               | ECONOMICS AND COMPUTATION<br><i>Students form A to ZZZZ - Gatti Nicola</i>   | EN | M | 2 | 5.0<br>[5.0 @]  |
| 055807 | --  | SPS/07                   | EMERGING TECHNOLOGIES AND SOCIETAL CHALLENGES<br><i>Students form A to ZZZZ - Volonte' Paolo Gaetano</i>   | EN | M | 2 | 5.0<br>[5.0 @]  |
| 056233 | --  | M-FIL/02                 | ETHICS FOR TECHNOLOGY B<br><i>Students form A to ZZZZ - Fossa Fabio</i>  | EN | M | 2 | 5.0<br>[5.0 @]  |
| 097387 | C   | SECS-P/05                | FINANCIAL ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>   | EN | M | 2 | 5.0             |
| 095917 | --  | ING-IND/30               | FUNDAMENTALS OF OIL AND GAS ENGINEERING<br><i>Students form A to ZZZZ - Blum Martin Julian</i>   | EN | M | 2 | 8.0             |
| 052320 | B,C | ING-IND/35               | MANAGING TECHNOLOGY DISRUPTION<br><i>Students form A to ZZZZ - Caio Francesco</i>  | EN | M | 2 | 5.0             |
| 097338 | C   | SPS/04                   | POLICY ANALYSIS<br><i>Students form A to ZZZZ - Vecchi Giancarlo</i>   | EN | M | 2 | 5.0             |
| 097357 | C   | ING-IND/09               | POWER PRODUCTION FROM RENEWABLE ENERGY C<br><i>Students form A to ZZZZ - Silva Paolo</i>   | EN | M | 2 | 5.0             |
| 054649 | --  | ING-IND/19               | RELIABILITY, SAFETY AND RISK ANALYSIS A+B<br><i>Students form A to ZZZZ - Baraldi Piero</i>  | EN | M | 2 | 10.0<br>[1.0 @] |
| 052321 | B,C | ING-IND/35               | STRATEGIC PLANNING IN REAL PRACTICE<br><i>Students form A to ZZZZ - Moretti Mauro</i>  | IT | M | 2 | 5.0             |
| 095118 | --  | ING-IND/15               | TECHNOLOGY FORECASTING AND RESEARCHING FUTURE<br><i>Students form A to ZZZZ - Kucharavy Dzmityr</i>  | EN | M | 2 | 6.0             |
| 056332 | B,C | ING-IND/14<br>ING-IND/16 | DESIGN & MANUFACTURING   | EN | I | 2 | 6.0             |
| 052079 | C   | ING-IND/13<br>ING-IND/33 | MOBILITY: INFRASTRUCTURES AND SERVICES<br><i>Students form A to ZZZZ -<br/>- 052078 MOBILITY: INFRASTRUCTURES AND SERVICES - APPLICATIONS - Mazzoncini Renato<br/>- 052077 MOBILITY: INFRASTRUCTURES AND SERVICES - GENERAL CONCEPTS - Longo Michela</i> | EN | I | 2 | 8.0<br>[4.0 @]  |

(1) Course offered in the first half-semester

**Courses of the Group GESLM**

| Code   | Act type | SSD                      | Course Title   | Language | Type | Sem   | CFU            |
|--------|----------|--------------------------|--|----------|------|-------|----------------|
| 097313 | B,C      | ING-IND/16               | ADDITIVE MANUFACTURING<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>   | EN       | M    | 1     | 5.0            |
| 054206 | B,C      | ING-IND/17               | ADVANCED PRODUCTION SYSTEMS<br><i>Students form A to ZZZZ - Taisch Marco</i>   | EN       | M    | 1     | 5.0            |
| 052911 | --       | SECS-S/01                | APPLIED STATISTICS<br><i>Students form A to ZZZZ - Secchi Piercesare</i>   | EN       | M    | 1     | 5.0<br>[1.0 @] |
| 097319 | B,C      | ING-IND/17               | ASSET LIFE CYCLE MANAGEMENT<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 1     | 10.0           |
| 097749 | B,C      | ING-IND/35               | CORPORATE FINANCE B<br><i>Students form A to ZZZZ - Giudici Giancarlo</i>  | EN       | M    | 1     | 5.0            |
| 097314 | B,C      | ING-IND/16               | DE-MANUFACTURING<br><i>Students form A to ZZZZ - Colledani Marcello</i>  | EN       | M    | 1     | 5.0            |
| 097681 | C        | MAT/05                   | DISCRETE DYNAMICAL MODELS<br><i>Students form A to ZZZZ - Tomarelli Franco</i>   | EN       | M    | 1     | 5.0            |
| 097370 | B,C      | ING-IND/35               | ECONOMICS AND MANAGEMENT OF MULTINATIONAL ENTERPRISES<br><i>Students form A to ZZZZ - Hennart Jean-Francois Marie Andre'</i> | EN       | M    | 1     | 5.0            |
| 052793 | --       | SECS-P/03                | ECONOMICS AND PERFORMANCE MEASUREMENT OF HEALTH CARE SYSTEMS<br><i>Students form A to ZZZZ - Pignataro Giacomo</i>           | EN       | M    | 1     | 10.0           |
| 097388 | B,C      | ING-IND/35               | ENTREPRENEURIAL FINANCE<br><i>Students form A to ZZZZ - Colombo Massimo Gaetano</i>  | EN       | M    | 1     | 5.0            |
| 056379 | B,C      | ING-IND/35               | ETICA D'IMPRESA<br><i>Students form A to ZZZZ - Docente non definito</i>   | IT       | M    | 1     | 5.0            |
| 054136 | B,C      | ING-IND/35               | FAMILY BUSINESS<br><i>Students form A to ZZZZ - Kotlar Josip</i>   | EN       | M    | 1     | 5.0            |
| 088976 | C        | MAT/05                   | GAME THEORY<br><i>Students form A to ZZZZ - Docente non definito</i>   | EN       | M    | 1 (1) | 5.0            |
| 056512 | B,C      | ING-IND/17<br>ING-IND/35 | HIGH-END AND LUXURY INDUSTRIES MANAGEMENT<br><i>Students form A to ZZZZ - Docente non definito</i>                           | EN       | M    | 1     | 5.0            |
| 054842 | B,C      | ING-IND/35               | HIGH-TECH STARTUPS: CREATING AND SCALING UP I<br><i>Students form A to ZZZZ - Colombo Massimo Gaetano</i>                    | EN       | M    | 1     | 5.0<br>[5.0 @] |
| 055016 | B,C      | ING-IND/17               | INDUSTRIAL ASSET MANAGEMENT<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN       | M    | 1     | 5.0            |
| 097352 | B,C      | ING-IND/17               | INDUSTRIAL ECO-EFFICIENCY<br><i>Students form A to ZZZZ - Cagno Enrico</i>   | EN       | M    | 1     | 5.0            |



|        |     |                          |  |    |   |       |                 |
|--------|-----|--------------------------|--|----|---|-------|-----------------|
| 097404 | B,C | ING-IND/17               | INDUSTRIAL MANAGEMENT TOOLBOX (MODELS AND TOOLS)<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>   | EN | M | 1     | 5.0             |
| 097320 | B,C | ING-IND/17               | INDUSTRIAL PROJECT MANAGEMENT A<br><i>Students form A to ZZZZ - Mancini Mauro</i>  | EN | M | 1     | 10.0            |
| 096090 | B,C | ING-IND/17               | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to M - Terzi Sergio</i><br><i>Students form M to ZZZZ - Fumagalli Luca</i>   | EN | M | 1     | 10.0            |
| 051112 | C   | SECS-P/05                | INTRODUCTORY ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>  | EN | M | 1     | 5.0             |
| 097391 | B,C | ING-IND/35               | INVESTMENT BANKING<br><i>Students form A to ZZZZ - Grassi Laura</i>  | EN | M | 1 (1) | 5.0             |
| 096089 | B,C | ING-IND/17               | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 1     | 10.0            |
| 052487 | C   | INF/01                   | MACHINE LEARNING<br><i>Students form A to ZZZZ - Vercellis Carlo</i>   | EN | M | 1     | 5.0             |
| 097350 | B,C | ING-IND/35               | MANAGEMENT OF ENERGY AND SUSTAINABILITY<br><i>Students form A to ZZZZ - Franzo' Simone</i>   | EN | M | 1     | 10.0            |
| 054202 | B,C | ING-IND/16               | MANUFACTURING SYSTEMS ENGINEERING I<br><i>Students form A to ZZZZ - Tolio Tullio Antonio Maria</i>   | EN | M | 1     | 5.0             |
| 054952 | B,C | ING-IND/16               | MANUFACTURING SYSTEMS ENGINEERING II<br><i>Students form A to ZZZZ - Tolio Tullio Antonio Maria</i>  | EN | M | 1     | 5.0             |
| 097380 | B,C | ING-IND/35               | MULTICHANNEL CUSTOMER STRATEGY<br><i>Students form A to ZZZZ - Lamberti Lucio</i>  | EN | M | 1     | 10.0            |
| 096088 | B,C | ING-IND/17               | OPERATIONS MANAGEMENT<br><i>Students form A to ZZZZ - Portioli Staudacher Alberto</i>  | EN | M | 1     | 10.0            |
| 097321 | B,C | ING-IND/17               | OPERATIONS RISK MANAGEMENT AND RESILIENCE<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN | M | 1     | 5.0             |
| 052912 | B,C | ING-IND/35               | PUBLIC MANAGEMENT<br><i>Students form A to ZZZZ - Agasisti Tommaso</i>   | EN | M | 1     | 5.0<br>[5.0 @]  |
| 053729 | B,C | ING-IND/17<br>ING-IND/35 | PURCHASING AND SUPPLY MANAGEMENT<br><i>Students form A to ZZZZ - Harland Christine Mary</i>  | EN | M | 1 (1) | 5.0             |
| 097323 | B,C | ING-IND/17               | QUALITY MANAGEMENT<br><i>Students form A to ZZZZ - Brun Alessandro</i>   | EN | M | 1     | 5.0             |
| 097315 | B,C | ING-IND/17               | SAFETY ENGINEERING AND MANAGEMENT<br><i>Students form A to ZZZZ - Trucco Paolo</i>   | EN | M | 1     | 5.0             |
| 055015 | B,C | ING-IND/17               | SMART MAINTENANCE<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN | M | 1     | 5.0             |
| 097334 | B,C | ING-IND/35               | SOCIAL INNOVATION<br><i>Students form A to ZZZZ - Calderini Mario</i>  | EN | M | 1     | 5.0             |
| 054911 | B,C | ING-IND/17<br>ING-IND/35 | SUPPLY CHAIN MANAGEMENT<br><i>Students form -- to -- - Docente non definito</i>  | EN | M | 1     | 10.0<br>[1.0 @] |
| 054954 | B,C | ING-IND/17               | SUSTAINABLE MANUFACTURING<br><i>Students form A to ZZZZ - Taisch Marco</i>   | EN | M | 1     | 5.0             |
| 052537 | C   | ING-INF/05               | TECHNOLOGIES FOR INFORMATION SYSTEMS<br><i>Students form A to ZZZZ - Tanca Leticia</i>   | EN | M | 1     | 5.0<br>[1.0 @]  |
| 054205 | B,C | ING-IND/17               | ADVANCED AND SUSTAINABLE MANUFACTURING<br><i>Students form A to ZZZZ</i><br><i>- 054204 SUSTAINABLE MANUFACTURING - 1 Sem (2) - Taisch Marco</i><br><i>- 054203 ADVANCED PRODUCTION SYSTEMS - 1 Sem (1) - Taisch Marco</i>                   | EN | I | 1     | 10.0            |
| 098498 | B,C | ING-IND/35               | DESIGN STRATEGY AND ECONOMICS OF INNOVATION<br><i>Students form A to ZZZZ</i><br><i>- 098497 ECONOMICS OF INNOVATION - Rossi Cristina</i><br><i>- 098496 DESIGN STRATEGY - Dell'Era Claudio</i>  | EN | I | 1     | 10.0            |
| 098472 | B,C | ING-IND/35<br>SECS-P/01  | FINANCIAL MARKETS AND INSTITUTIONS + MACROECONOMICS OF FINANCE<br><i>Students form A to ZZZZ</i><br><i>- 098471 MACROECONOMICS OF FINANCE - Florio Anna Paola</i><br><i>- 098470 FINANCIAL MARKETS AND INSTITUTIONS - Giorgino Marco</i>     | EN | I | 1     | 10.0            |
| 054201 | B,C | ING-IND/16               | MANUFACTURING SYSTEMS ENGINEERING<br><i>Students form A to ZZZZ</i><br><i>- 054200 MANUFACTURING SYSTEMS ENGINEERING II - Tolio Tullio Antonio Maria</i><br><i>- 054199 MANUFACTURING SYSTEMS ENGINEERING I - Tolio Tullio Antonio Maria</i> | EN | I | 1     | 10.0            |
| 052817 | B,C | ING-IND/17               | ADVANCED SUPPLY CHAIN PLANNING LAB<br><i>Students form -- to -- - Docente non definito</i>   | EN | M | 2     | 10.0<br>[5.0 @] |
| 054135 | B,C | ING-IND/35               | PATENTS AND INDUSTRIAL PROPERTY<br><i>Students form A to ZZZZ - Franzoni Chiara</i>  | IT | M | 2     | 5.0             |
| 091023 | C   | ING-INF/05               | BUSINESS INFORMATION SYSTEMS 1<br><i>Students form A to ZZZZ - Francalanci Chiara</i>  | EN | M | 2     | 5.0             |
| 090874 | C   | ING-INF/05               | BUSINESS INFORMATION SYSTEMS 2<br><i>Students form A to ZZZZ - Francalanci Chiara</i>  | EN | M | 2     | 5.0             |
| 089165 | C   | ING-INF/05               | COMPUTER SECURITY<br><i>Students form A to ZZZZ - Zanero Stefano</i>   | EN | M | 2     | 5.0             |
| 095898 | C   | ING-INF/05               | COMPUTING INFRASTRUCTURES<br><i>Students form A to ZZZZ - Palermo Gianluca</i>   | EN | M | 2     | 5.0             |
| 096326 | B,C | ING-IND/17               | CONSTRUCTION SUPPLY CHAIN MANAGEMENT<br><i>Students form A to ZZZZ - Docente non definito</i>  | EN | M | 2     | 6.0             |
| 097741 | C   | MAT/09                   | DECISION MODELS<br><i>Students form A to ZZZZ - Colormi Vitale Alberto</i>   | EN | M | 2     | 5.0             |



|        |     |                          |  |    |   |       |                  |
|--------|-----|--------------------------|--|----|---|-------|------------------|
| 097386 | B,C | ING-IND/35<br>SECS-P/01  | DEVELOPMENT ECONOMICS<br><i>Students form A to ZZZZ - Piscitello Lucia</i>   | EN | M | 2     | 8.0              |
| 097325 | B,C | ING-IND/17<br>ING-IND/35 | DIGITAL BUSINESS INNOVATION<br><i>Students form A to ZZZZ - Mangiaracina Riccardo</i>  | EN | M | 2     | 5.0              |
| 097384 | C   | ING-INF/05               | DIGITAL TECHNOLOGY<br><i>Students form A to ZZZZ - Pernici Barbara</i>   | EN | M | 2     | 5.0              |
| 054445 | C   | ING-INF/05               | ECONOMICS AND COMPUTATION<br><i>Students form A to ZZZZ - Gatti Nicola</i>   | EN | M | 2     | 5.0<br>[5.0 @]   |
| 097335 | B,C | ING-IND/35               | ECONOMICS OF NETWORK INDUSTRIES<br><i>Students form A to ZZZZ - Docente non definito</i>   | EN | M | 2     | 5.0              |
| 097364 | B,C | ING-IND/35               | ENTREPRENEURSHIP ECONOMICS AND POLICY<br><i>Students form A to ZZZZ - Piva Evila</i>   | EN | M | 2     | 5.0              |
| 097748 | B,C | ING-IND/35               | DIGITAL ETHICS<br><i>Students form A to ZZZZ - Docente non definito</i>  | IT | M | 2     | 5.0              |
| 097387 | C   | SECS-P/05                | FINANCIAL ECONOMETRICS<br><i>Students form A to ZZZZ - Mosconi Rocco Roberto</i>   | EN | M | 2     | 5.0              |
| 097355 | B,C | ING-IND/35               | FINANCIAL RISK MANAGEMENT<br><i>Students form A to ZZZZ - Giorgino Marco</i>   | EN | M | 2     | 5.0              |
| 055669 | B,C | ING-IND/35               | HEALTH CARE MANAGEMENT<br><i>Students form A to ZZZZ - Lettieri Emanuele</i>   | EN | M | 2     | 5.0<br>[1.0 @]   |
| 053585 | B,C | ING-IND/35               | HIGH-TECH STARTUPS: CREATING AND SCALING UP II<br><i>Students form A to ZZZZ - Ghezzi Antonio</i>  | EN | M | 2     | 5.0<br>[5.0 @]   |
| 097356 | B,C | ING-IND/17               | INDUSTRIAL PROJECT MANAGEMENT B<br><i>Students form A to ZZZZ - Mancini Mauro</i>  | EN | M | 2     | 5.0              |
| 096090 | B,C | ING-IND/17               | INDUSTRIAL TECHNOLOGIES<br><i>Students form A to ZZZZ - Macchi Marco</i>   | EN | M | 2     | 10.0             |
| 097316 | B,C | ING-IND/17               | INTERNATIONAL DISTRIBUTION<br><i>Students form A to ZZZZ - Melacini Marco</i>  | EN | M | 2     | 5.0              |
| 096089 | B,C | ING-IND/17               | LOGISTICS MANAGEMENT<br><i>Students form A to ZZZZ - Perego Alessandro</i>   | EN | M | 2     | 10.0             |
| 097317 | B,C | ING-IND/35               | MANAGEMENT OF DESIGN AND INNOVATION PROJECTS<br><i>Students form A to ZZZZ - Dell'Era Claudio</i>  | EN | M | 2     | 5.0              |
| 052320 | B,C | ING-IND/35               | MANAGING TECHNOLOGY DISRUPTION<br><i>Students form A to ZZZZ - Caio Francesco</i>  | EN | M | 2     | 5.0              |
| 096088 | B,C | ING-IND/17               | OPERATIONS MANAGEMENT<br><i>Students form A to M - Taisch Marco</i><br><i>Students form M to ZZZZ - Rossini Matteo</i>   | EN | M | 2     | 10.0             |
| 097327 | B,C | ING-IND/17               | PRODUCT LIFE CYCLE MANAGEMENT<br><i>Students form A to ZZZZ - Rossi Monica</i>   | EN | M | 2     | 5.0              |
| 054697 | B,C | ING-IND/16               | QUALITY DATA ANALYSIS<br><i>Students form A to ZZZZ - Colosimo Bianca Maria</i>  | EN | M | 2     | 10.0             |
| 052321 | B,C | ING-IND/35               | STRATEGIC PLANNING IN REAL PRACTICE<br><i>Students form A to ZZZZ - Moretti Mauro</i>  | IT | M | 2     | 5.0              |
| 052816 | B,C | ING-IND/35               | SUPPLIER RELATIONSHIP MANAGEMENT LAB<br><i>Students form A to ZZZZ - Moretto Antonella Maria</i>   | EN | M | 2     | 10.0<br>[5.0 @]  |
| 052896 | B,C | ING-IND/17<br>ING-IND/35 | ENERGY MANAGEMENT LAB<br><i>Students form A to ZZZZ</i><br><i>- 052895 ENERGY MANAGEMENT LAB [2] - Franzo' Simone</i><br><i>- 052894 ENERGY MANAGEMENT LAB [1] - Lapko Yulia</i>   | EN | I | 2     | 10.0<br>[5.0 @]  |
| 052079 | C   | ING-IND/13<br>ING-IND/33 | MOBILITY: INFRASTRUCTURES AND SERVICES<br><i>Students form A to ZZZZ</i><br><i>- 052078 MOBILITY: INFRASTRUCTURES AND SERVICES - APPLICATIONS - Mazzoncini Renato</i><br><i>- 052077 MOBILITY: INFRASTRUCTURES AND SERVICES - GENERAL CONCEPTS - Longo Michela</i> | EN | I | 2     | 8.0<br>[4.0 @]   |
| 055248 | B,C | ING-IND/35               | HIGH-TECH STARTUPS   | EN | I | A     | 10.0<br>[10.0 @] |
| 055014 | B,C | ING-IND/16<br>ING-IND/17 | SMART MANUFACTURING LAB<br><i>Students form A to ZZZZ</i><br><i>- 055013 SMART MANUFACTURING LAB [2] - 3 Sem (?) - Macchi Marco</i><br><i>- 055012 SMART MANUFACTURING LAB [1] - 3 Sem (?) - Urgo Marcello</i>   | EN | I | A (?) | 15.0<br>[5.0 @]  |

(1) Course offered in the first half-semester

(2) Course offered in the second half-semester