**Checklist Master’s degree Mechanical Engineering, University of Groningen**

Name candidate:

**Fill out the table Content Bachelor’s Degree Programme**

In order to assess how the bachelor’s degree programme connects to the intended master’s degree programme please explain which elements/courses contributed to the key ME subjects.

In addition, please provide a course description of all courses you mention at the end of this document.

As an example, the course units within the bachelor’s degree programme of the University of Groningen have been placed between brackets. The content of these can be found online: [www.rug.nl/ocasys/](http://www.rug.nl/ocasys/) including the intended learning outcomes.

Table1: **Required Bachelor’s Degree Topics/Courses**

|  |  |
| --- | --- |
| **ME topic**  (example course(s)) | **Contributing key elements/courses from your Bachelor Programme** |
| **Mechatronics**  ([Mechatronics for IEM](https://www.rug.nl/ocasys/fwn/vak/show?code=WBIE011-05)) |  |
| **Control Engineering**  ([Control Engineering](https://www.rug.nl/ocasys/fwn/vak/show?code=WBIE034-05)) |  |
| **Design and Construction**  ([Design and Construction for IEM](https://www.rug.nl/ocasys/fwn/vak/show?code=WBIE018-05), [Computer Aided Design and Manufacturing](https://www.rug.nl/ocasys/fwn/vak/show?code=WBIE033-05)) |  |
| **Calculus**  ([Calculus 1 for IEM](https://www.rug.nl/ocasys/rug/vak/show?code=WBIE003-05)) |  |
| **Calculus**  ([Linear Algebra for IEM](https://www.rug.nl/ocasys/rug/vak/show?code=WBIE009-05), [Calculus 2 for IEM](https://www.rug.nl/ocasys/rug/vak/show?code=WBIE017-05)) |  |
| **Numerical Methods**  ([Numerical Methods for IEM](https://www.rug.nl/ocasys/fwn/vak/show?code=WBIE049-05)) |  |
| **Programming**  ([Programming Modelling and Simulation](https://www.rug.nl/ocasys/rug/vak/show?code=WBIE008-05), Matlab, programming C++, Python or other) |  |
| **Materials Science**  ([Material Science](https://www.rug.nl/ocasys/fwn/vak/show?code=WBPH020-05)) |  |
| **Experience in practical courses**  explain experimental skills in practical courses |  |
| **Do you have individual research skills?**  For instance in a project, literature thesis or practical. Please elaborate |  |

**Course descriptions**

Please provide clear and specific course descriptions of all the courses mentioned in the righthand column of ta(name, ECTS, learning outcomes, overview, hours per week, assessment form(s), literature used, etc.) of the courses mentioned in the right column of the table.