2nd-CYCLE STUDY PROGRAMMES

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**Admission requirements:**

1. **MECHANICAL ENGINEERING**

Students may select one of the three study options: Power, Process and Environmental Engineering, Engineering Design, or Manufacturing Technologies and Systems. A study option shall be selected when applying to enrol.

Candidates who completed the following may apply for the 2nd-cycle (master’s) study programme in Mechanical Engineering:

1. A 1st-cycle (bachelor’s) study programme in one of the following fields: mechanics and metal trades (0715), chemical engineering and processes (0711), building and civil engineering (0732), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), or physics (0533).

2. A 1st-cycle (bachelor’s) study programme in one of the following fields: chemistry (0531), mathematics (0541) software and applications development and analysis (0613), environmental protection technology (0712), electricity and energy (0713), motor vehicles, ships and aircraft (0716), textiles (clothes, footwear and leather) (0723), or mining and extraction (0724).

Prior to enrolment, candidates shall pass the following courses corresponding to 30 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Mathematical Analysis (6 ECTS), Linear Algebra (3 ECTS), Vector Analysis (6 ECTS), Differential Analysis (3 ECTS), Mechanics I (6 ECTS), and Mechanics II (6 ECTS).

3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: mechanics and metal trades (0715), chemical engineering and processes (0711), building and civil engineering (0732), or inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788).

4. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: chemistry (0531), physics (0533), mathematics (0541), software and applications development and analysis (0613), environmental protection technology (0712), electricity and energy (0713), motor vehicles, ships and aircraft (0716), textiles (clothes, footwear and leather) (0723), or mining and extraction (0724).

Prior to enrolment, candidates shall pass the following courses corresponding to 30 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Mathematical Analysis...
(6 ECTS), Linear Algebra (3 ECTS), Vector Analysis (6 ECTS), Differential Analysis (3 ECTS), Mechanics I (6 ECTS), and Mechanics II (6 ECTS).

5. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: mechanics and metal trades (0715), chemical engineering and processes (0711), building and civil engineering (0732), or inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788). Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

6. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: chemistry (0531), physics (0533), mathematics (0541), software and applications development and analysis (0613), environmental protection technology (0712), electricity and energy (0713), motor vehicles, ships and aircraft (0716), textiles (clothes, footwear and leather) (0723), or mining and extraction (0724). Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

7. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: mechanics and metal trades (0715), chemical engineering and processes (0711), building and civil engineering (0732), or inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788). Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

8. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: chemistry (0531), physics (0533), mathematics (0541), software and applications development and analysis (0613), environmental protection technology (0712), electricity and energy (0713), motor vehicles, ships and aircraft (0716), textiles (clothes, footwear and leather) (0723), or mining and extraction (0724). Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

**Selection criteria in the event of limited enrolment:**

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:
- grade point average including the thesis: 100%.

**Transfer criteria:**

In accordance with the transfer criteria, candidates may transfer to the 2nd-cycle (master’s) study programme in Mechanical Engineering from study programmes in the field of mechanics and metal trades (0715), chemical engineering and processes (0711), building and civil engineering (0732), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), or physics (0533) provided they lead to the acquisition of comparable competencies and that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognized.

Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified, and study obligations required for completion of the new study programme are laid down.

**Mode of study:** full-time and part-time

The part-time study programme shall be implemented only in the event of 5 or more students enrolled in the first year of study.

The part-time study programme shall be implemented only in the event of 5 students enrolled in the second year of study.
2. ENVIRONMENTAL ENGINEERING

Candidates who completed the following may apply for the 2nd-cycle (master’s) study programme in Environmental Engineering:

1. A 1st-cycle (bachelor’s) study programme in one of the following fields: engineering and engineering trades (071), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), environmental protection technology (0712), mechanics and metal trades (0715), textiles (clothes, footwear and leather) (0723), chemical engineering and processes (0711), electricity and energy (0713), engineering and engineering trades not elsewhere classified (0719), building and civil engineering (0732), biological and related sciences (051), biology (0511), biochemistry (0512), environmental sciences (0521), chemistry (0531), earth sciences (0532), or physics (0533).

2. A 1st-cycle (bachelor’s) study programme in one of the following fields: mathematics (0541), inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics (0588), database and network design and administration (0612), software and applications development and analysis (0613), materials (glass, paper, plastic and wood) (0722), mining and extraction (0724), architecture and town planning (0731), community sanitation (1021), occupational health and safety (1022), or transport services (1041).

Prior to enrolment, candidates shall pass the following courses corresponding to 13 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Mathematical Analysis (6 ECTS) and Chemistry (7 ECTS).

3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), environmental protection technology (0712), mechanics and metal trades (0715), textiles (clothes, footwear and leather) (0723), chemical engineering and processes (0711), electricity and energy (0713), engineering and engineering trades not elsewhere classified (0719), building and civil engineering (0732), biological and related sciences (051), biology (0511), biochemistry (0512), environmental sciences (0521), chemistry (0531), earth sciences (0532), or physics (0533).

4. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: mathematics (0541), inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics (0588), database and network design and administration (0612), software and applications development and analysis (0613), materials (glass, paper, plastic and wood) (0722), mining and extraction (0724), architecture and town planning (0731), community sanitation (1021), occupational health and safety (1022), or transport services (1041).

Prior to enrolment, candidates shall pass the following courses corresponding to 13 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Mathematical Analysis (6 ECTS) and Chemistry (7 ECTS).

5. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), environmental protection technology (0712), mechanics and metal trades (0715), textiles (clothes, footwear and leather) (0723), chemical engineering and processes (0711), electricity and energy (0713), engineering and engineering trades not elsewhere classified (0719), building and civil engineering (0732), biological and related sciences (051), biology (0511), biochemistry (0512), environmental sciences (0521), chemistry (0531), earth sciences (0532), or physics (0533).

Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

6. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: mathematics (0541), inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics (0588), database and network design and administration (0612), software and applications development and analysis (0613), materials (glass, paper, plastic and wood) (0722), mining and extraction (0724), architecture and town planning (0731), community sanitation (1021), occupational health and safety (1022), or transport services (1041).

Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

7. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), environmental protection technology (0712), mechanics and metal trades (0715), textiles (clothes, footwear and leather) (0723), chemical engineering and processes (0711), electricity and energy (0713), engineering and engineering trades not elsewhere classified (0719), building and civil engineering (0732), biological and related sciences (051), biology (0511), biochemistry (0512), environmental sciences (0521), chemistry (0531), earth sciences (0532), or physics (0533).
Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

8. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: mathematics (0541), inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics (0588), database and network design and administration (0612), software and applications development and analysis (0613), materials (glass, paper, plastic and wood) (0722), mining and extraction (0724), architecture and town planning (0731), community sanitation (1021), occupational health and safety (1022), or transport services (1041).

Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

### Selection criteria in the event of limited enrolment:

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:
- grade point average including the thesis (100%).

### Transfer criteria:

In accordance with the transfer criteria, candidates may transfer to the 2nd-cycle (master’s) study programme in Environmental Engineering from study programmes in the field of engineering and engineering trades (071), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), environmental protection technology (0712), mechanics and metal trades (0715), textiles (clothes, footwear and leather) (0723), chemical engineering and processes (0711), electricity and energy (0713), engineering and engineering trades not elsewhere classified (0719), building and civil engineering (0732), biological and related sciences (051), biology (0511), biochemistry (0512), environmental sciences (0521), chemistry (0531), earth sciences (0532), or physics (0533) provided they lead to the acquisition of comparable competencies and that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognized.

Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified, and study obligations required for completion of the new study programme are laid down.

### Mode of study: full-time

#### 3. PRODUCT DESIGN

**Study options:**

Students may select one of the two study options: Product Design or Textile and Fashion Design. A study option shall be selected while studying and is implemented in the second year of study.

Candidates who completed the following may apply for the 2nd-cycle (master’s) study programme in Product Design:

1. A 1st-cycle (bachelor’s) study programme in one of the following fields: engineering and engineering trades (071), textiles (clothes, footwear and leather) (0723), building and civil engineering (0732), architecture and construction (073), transport services (104), mathematics and statistics (054), Information and Communication Technologies (ICTs) (061), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), audio-visual techniques and media production (0211), fashion, interior and industrial design (0212), fine arts (0213), or inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) (0688).

2. A 1st-cycle (bachelor’s) study programme in a field not specified under point 1.

Prior to enrolment, candidates shall pass the following courses corresponding to 25 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Materials I (3 ECTS), Technical Documentation (4 ECTS), Production Technologies I (4 ECTS), Engineering Tools I (5 ECTS), Fundamentals of Engineering Design (3 ECTS), Physical Modelling of Technical Systems (3 ECTS), and Engineering Design Methods (3 ECTS).

3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), textiles (clothes, footwear and leather) (0723), building and civil engineering (0732), architecture and construction (073), transport services (104), mathematics and statistics (054), Information and Communication Technologies (ICTs) (061), inter-disciplinary programmes and qualifications involving engineering,
manufacturing and construction (0788), audio-visual techniques and media production (0211), fashion, interior and industrial design (0212), fine arts (0213), or inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) (0688).

4. An undergraduate professional study programme adopted prior to 11 June 2004 in a field not specified under point 3. Prior to enrolment, candidates shall pass the following courses corresponding to 25 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Materials I (3 ECTS), Technical Documentation (4 ECTS), Production Technologies I (4 ECTS), Engineering Tools I (5 ECTS), Fundamentals of Engineering Design (3 ECTS), Physical Modelling of Technical Systems (3 ECTS), and Engineering Design Methods (3 ECTS).

5. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), textiles (clothes, footwear and leather (0723), building and civil engineering (0732), architecture and construction (073), transport services (104), mathematics and statistics (054), Information and Communication Technologies (ICTs) (061), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), audio-visual techniques and media production (0211), fashion, interior and industrial design (0212), fine arts (0213), or inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) (0688). Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

6. An undergraduate academic study programme adopted prior to 11 June 2004 in a field not specified under point 5. Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

7. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: engineering and engineering trades (071), textiles (clothes, footwear and leather (0723), building and civil engineering (0732), architecture and construction (073), transport services (104), mathematics and statistics (054), Information and Communication Technologies (ICTs) (061), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), audio-visual techniques and media production (0211), fashion, interior and industrial design (0212), fine arts (0213), or inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) (0688). Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

8. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in a field not specified under point 7. Candidates are awarded 30 ECTS credits and may enrol in the corresponding year of study.

**Selection criteria in the event of limited enrolment:**

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:

- grade point average including the thesis (100%).

**Transfer criteria:**

In accordance with the transfer criteria, candidates may transfer to the 2nd-cycle (master’s) study programme in Product Design from study programmes in the field of engineering and engineering trades (071), textiles (clothes, footwear and leather (0723), building and civil engineering (0732), architecture and construction (073), transport services (104), mathematics and statistics (054), Information and Communication Technologies (ICTs) (061), inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction (0788), audio-visual techniques and media production (0211), fashion, interior and industrial design (0212), fine arts (0213), or inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) (0688) provided they lead to the acquisition of comparable competencies and that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognized.

Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified, and study obligations required for completion of the new study programme are laid down.

**Mode of study:** full-time
4. DESIGN AND TEXTILE MATERIALS

**Study options:**

Students may select one of the two study options: Textile Materials or Engineering Design of Textile Materials. The study option shall be selected when applying to enrol and is implemented in the first semester.

Candidates who completed the following may apply for the 2nd-cycle (master’s) study programme in Design and Textile Materials:

1. A 1st-cycle (bachelor’s) study programme in one of the following field: fashion, interior and industrial design (0212), chemistry (0531), chemical engineering and processes (0711), textiles (clothes, footwear and leather) (0723), materials (glass, paper, plastic and wood) (0722), or environmental sciences (0521).

2. A 1st-cycle (bachelor’s) study programme in one of the following fields: environmental protection technology (0712), fine arts (0213), or architecture and town planning (0731).

   Prior to enrolment, candidates shall pass the following courses corresponding to 27 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Fibreforming polymers (6 ECTS), History and Culture of Dressing (5 ECTS), Drawing and Painting (4 ECTS), Construction of Textiles (6 ECTS), and Basics of Textile Design (6 ECTS).

3. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: fashion, interior and industrial design (0212), chemistry (0531), chemical engineering and processes (0711), textiles (clothes, footwear and leather) (0723), materials (glass, paper, plastic and wood) (0722), or environmental sciences (0521).

4. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: environmental protection technology (0712), fine arts (0213), or architecture and town planning (0731).

   Prior to enrolment, candidates shall pass the following courses corresponding to 27 ECTS credits under the 1st-cycle (bachelor’s) study programme, a supplementary study programme, or by taking bridging exams: Fibreforming polymers (6 ECTS), History and Culture of Dressing (5 ECTS), Drawing and Painting (4 ECTS), Construction of Textiles (6 ECTS), and Basics of Textile Design (6 ECTS).

5. An undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: fashion, interior and industrial design (0212), chemistry (0531), chemical engineering and processes (0711), textiles (clothes, footwear and leather) (0723), materials (glass, paper, plastic and wood) (0722), or environmental sciences (0521).

   Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

6. An undergraduate academic study programme adopted prior to 11 June 2004 in one of the following fields: environmental protection technology (0712), fine arts (0213), or architecture and town planning (0731).

   Candidates are awarded 45 ECTS credits and may enrol in the corresponding year of study.

7. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: fashion, interior and industrial design (0212), chemistry (0531), chemical engineering and processes (0711), textiles (clothes, footwear and leather) (0723), materials (glass, paper, plastic and wood) (0722), or environmental sciences (0521).

   Candidates are typically awarded 60 ECTS credits and may enrol in the second year of study provided they satisfy the transfer criteria laid down in the accredited study programme.

8. A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004 in one of the following fields: environmental protection technology (0712), fine arts (0213), or architecture and town planning (0731).

   Candidates are awarded 45 ECTS credits and may enrol in the corresponding year of study.

**Selection criteria in the event of limited enrolment:**

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:

- grade point average including the thesis (100%).

**Transfer criteria:**

In accordance with the transfer criteria, candidates may transfer to the 2nd-cycle (master’s) study programme in Design and Textile Materials from study programmes in the field of fashion, interior and industrial design (0212), chemistry (0531), chemical engineering and processes (0711), textiles (clothes, footwear and leather) (0723), materials (glass, paper, plastic and wood) (0722), or environmental sciences (0521) provided they lead to the acquisition of comparable competencies and
that at least half of the study obligations under the previous study programme relating to compulsory courses of the new study programme are recognized.

Under the recognition procedure, fulfilled study obligations that may be recognized fully or partially are identified, and study obligations required for completion of the new study programme are laid down.

**Mode of study:** full-time
3rd-CYCLE STUDY PROGRAMMES ([https://www.fs.um.si/en/study/study-programme/third-cycle](https://www.fs.um.si/en/study/study-programme/third-cycle)):

1. **DOCTORAL SCHOOL OF THE FACULTY OF MECHANICAL ENGINEERING**
   - 3 study options: Mechanical Engineering, Environmental Engineering, and Design and Textile Materials

2. **MECHANICAL ENGINEERING**

3. **ENVIRONMENTAL ENGINEERING**

4. **DESIGN AND TEXTILE MATERIALS**

**Location:** Maribor

**Duration:** 3 years, 180 ECTS

**Admission requirements:**

1. **DOCTORAL SCHOOL OF THE FACULTY OF MECHANICAL ENGINEERING**

   **Study options:**
   A study option shall be selected when applying to enrol, and is implemented in the first year of study. Students may select one of the three study options: Mechanical Engineering, Environmental Engineering, or Design and Textile Materials.

   Candidates who completed the following may apply for a 3rd-cycle (doctoral) study programme of the Doctoral School of the Faculty of Mechanical Engineering:
   - A 2nd-cycle (master’s) study programme.
   - A unified (long-cycle) master’s study programme corresponding to 300 ECTS credits.
   - An undergraduate academic study programme adopted prior to 11 June 2004 corresponding to a minimum of 240 ECTS credits.
   - A specialisation following an undergraduate professional study programme adopted prior to 11 June 2004, corresponding to a minimum of 240 ECTS credits in total. Prior to enrolment, candidates shall fulfil the following study obligations corresponding to 30 ECTS credits:
     - Mechanical Engineering option: the Selected Topics in Mathematics (6 ECTS), Selected Topics in Mechanics (6 ECTS), Advanced Engineering Materials (6 ECTS), Methodology of Experimental Work (6 ECTS), and Numerical Modelling and Computer Simulations (6 ECTS) courses under the 2nd-cycle (master’s) study programme in Mechanical Engineering.
     - Environmental Engineering option: study obligations corresponding to 30 ECTS credits in the field of ecology and environmental protection under the 2nd-cycle (master’s) study programme in Environmental Engineering shall be determined by the Faculty’s Academic Affairs Committee, taking into account the candidate’s previous field of expertise (the type of previously completed study programme).
     - An equivalent qualification obtained abroad.

2. **Selection criteria in the event of limited enrolment:**

   If the number of applications exceeds the number of available positions, candidates shall be ranked according to:
   - grade point average including the thesis (100%).

3. **Transfer criteria:**
In accordance with the transfer criteria, candidates who completed the following may be admitted to a corresponding year of a 3rd-cycle (doctoral) study programme of the Doctoral School of the Faculty of Mechanical Engineering:

1. A master of science study programme adopted prior to 11 June 2004 in the field of engineering and natural sciences. Depending on the similarity of the study programmes, candidates are awarded between 60 (enrolment in the second year of study) and 120 ECTS credits (enrolment in the third year of study).
2. A specialisation (a minimum of 60 ECTS credits) following an undergraduate academic study programme in the field of engineering and natural sciences (a minimum of 240 ECTS credits) adopted prior to 11 June 2004 and corresponding to at least 300 ECTS credits in total. Candidates are awarded 60 ECTS credits.

In accordance with the transfer criteria, candidates may transfer to a 3rd-cycle (doctoral) study programme of the Doctoral School of the Faculty of Mechanical Engineering from other 3rd-cycle (doctoral) study programmes in the field of engineering and natural sciences provided they meet the admission requirements and that there are enough places available. The Faculty’s Academic Affairs Committee decides on the recognition of study obligations. Candidates shall submit an official printout of the study programme and a certificate of passed exams. The Committee determines study obligations that are to be fulfilled in order to earn a doctoral degree under the new study programme.

Mode of study: part-time

One year of study under the part-time study programme lasts one academic year. Depending on the number of enrolled students, the teaching process is conducted in the following manner:

a) 1-4 enrolled students: the teaching process is organized individually in the form of group consultations in the amount of 10% of course hours laid down in the study programme.
b) 5-9 enrolled students: the teaching process is organized in a limited form based on the number of contact hours (CO), which is calculated as follows: CO = (no. of contact hours under the programme) X (no. of enrolled students) X 0,1. The remaining contact hours are implemented in the form of individual coursework in accordance with the instructions of the course coordinator or lecturer.
c) 10 or more enrolled students: the teaching process is conducted in the full amount of course and seminar hours laid down in the study programme.

2. MECHANICAL ENGINEERING

Selection criteria in the event of limited enrolment:

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:
- grade point average including the thesis (100%).

Transfer criteria:

In accordance with the transfer criteria, candidates who completed the following may be admitted to a corresponding year of the 3rd-cycle (doctoral) study programme in Mechanical Engineering:

1. A master of science study programme adopted prior to 11 June 2004 in the field of engineering and natural sciences. Depending on the similarity of the study programmes, candidates are awarded between 60 (enrolment in the second year of study) and 120 ECTS credits (enrolment in the third year of study).
2. A specialisation (a minimum of 60 ECTS credits) following an undergraduate academic study programme in the field of engineering and natural sciences (a minimum of 240 ECTS credits) adopted prior to 11 June 2004 and corresponding to at least 300 ECTS credits in total. Candidates are awarded 60 ECTS credits.

In accordance with the transfer criteria, candidates may transfer to the 3rd-cycle (doctoral) study programme in Mechanical Engineering from other 3rd-cycle (doctoral) study programmes in the field of engineering and natural sciences provided they meet the admission requirements and that there are enough places available. The Faculty’s Academic Affairs Committee decides on the recognition of study obligations. Candidates shall submit an official printout of the study programme and a certificate of passed exams. The Committee determines study obligations that are to be fulfilled in order to earn a doctoral degree under the new study programme.
**Mode of study: part-time**

One year of study under the part-time study programme lasts one academic year. Depending on the number of enrolled students, the teaching process is conducted in the following manner:

a) 1-4 enrolled students: the teaching process is organized individually in the form of group consultations in the amount of 10% of course hours laid down in the study programme.

b) 5-9 enrolled students: the teaching process is organized in a limited form based on the number of contact hours (CO), which is calculated as follows: CO = (no. of contact hours under the programme) X (no. of enrolled students) X 0.1. The remaining contact hours are implemented in the form of individual coursework in accordance with the instructions of the course coordinator or lecturer.

c) 10 or more enrolled students: the teaching process is conducted in the full amount of course and seminar hours laid down in the study programme.

3. ENVIRONMENTAL ENGINEERING

**Selection criteria in the event of limited enrolment:**

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:

– grade point average including the thesis (100%).

**Transfer criteria:**

In accordance with the transfer criteria, candidates who completed the following may be admitted to a corresponding year of the 3rd-cycle (doctoral) study programme in *Environmental Engineering*:

1. A master of science study programme adopted prior to 11 June 2004 in the field of engineering and natural sciences. Depending on the similarity of the study programmes, candidates are awarded between 60 (enrolment in the second year of study) and 120 ECTS credits (enrolment in the third year of study).

2. A specialisation (a minimum of 60 ECTS credits) following an undergraduate academic study programme in the field of engineering and natural sciences (a minimum of 240 ECTS credits) adopted prior to 11 June 2004 and corresponding to at least 300 ECTS credits in total. Candidates are awarded 60 ECTS credits.

In accordance with the transfer criteria, candidates may transfer to the 3rd-cycle (doctoral) study programme in *Environmental Engineering* from other 3rd-cycle (doctoral) study programmes in the field of engineering and natural sciences provided they meet the admission requirements and that there are enough places available. The Faculty’s Academic Affairs Committee decides on the recognition of study obligations. Candidates shall submit an official printout of the study programme and a certificate of passed exams. The Committee determines study obligations that are to be fulfilled in order to earn a doctoral degree under the new study programme.

**Mode of study: part-time**

One year of study under the part-time study programme lasts one academic year. Depending on the number of enrolled students, the teaching process is conducted in the following manner:

a) 1-4 enrolled students: the teaching process is organized individually in the form of group consultations in the amount of 10% of course hours laid down in the study programme.

b) 5-9 enrolled students: the teaching process is organized in a limited form based on the number of contact hours (CO), which is calculated as follows: CO = (no. of contact hours under the programme) X (no. of enrolled students) X 0.1. The remaining contact hours are implemented in the form of individual coursework in accordance with the instructions of the course coordinator or lecturer.

C) 10 or more enrolled students: the teaching process is conducted in the full amount of course and seminar hours laid down in the study programme.
4. DESIGN AND TEXTILE MATERIALS

**Selection criteria in the event of limited enrolment:**

If the number of applications exceeds the number of available positions, candidates shall be ranked according to:
- grade point average including the thesis (100%).

**Transfer criteria:**

In accordance with the transfer criteria, candidates who completed the following may be admitted to a corresponding year of the 3rd-cycle (doctoral) study programme in *Design and Textile Materials*:

1. A master of science study programme adopted prior to 11 June 2004 in the field of engineering and natural sciences. Depending on the similarity of the study programmes, candidates are awarded between 60 (enrolment in the second year of study) and 120 ECTS credits (enrolment in the third year of study).
2. A specialisation (a minimum of 60 ECTS credits) following an undergraduate academic study programme in the field of engineering and natural sciences (a minimum of 240 ECTS credits) adopted prior to 11 June 2004 and corresponding to at least 300 ECTS credits in total. Candidates are awarded 60 ECTS credits.

In accordance with the transfer criteria, candidates may transfer to the 3rd-cycle (doctoral) study programme in *Design and Textile Materials* from other 3rd-cycle (doctoral) study programmes in the field of engineering and natural sciences provided they meet the admission requirements and that there are enough places available. The Faculty’s Academic Affairs Committee decides on the recognition of study obligations. Candidates shall submit an official printout of the study programme and a certificate of passed exams. The Committee determines study obligations that are to be fulfilled in order to earn a doctoral degree under the new study programme.

**Mode of study:** part-time

One year of study under the part-time study programme lasts one academic year. Depending on the number of enrolled students, the teaching process is conducted in the following manner:

a) 1-4 enrolled students: the teaching process is organized individually in the form of group consultations in the amount of 10% of course hours laid down in the study programme.

b) 5-9 enrolled students: the teaching process is organized in a limited form based on the number of contact hours (CO), which is calculated as follows: \( CO = (\text{no. of contact hours under the programme}) \times (\text{no. of enrolled students}) \times 0.1 \). The remaining contact hours are implemented in the form of individual coursework in accordance with the instructions of the course coordinator or lecturer.

c) 10 or more enrolled students: the teaching process is conducted in the full amount of course and seminar hours laid down in the study programme.

**Number of available positions:** The number of available positions is published in the table that represents an integral part of the Call.