

MSCSP Form intake 2018/2019

Please fill in this form and upload it together with the rest of your documents.

1. Personal information

1.1. Last Name, First Name

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1.2. Gender

1.3. Date of birth

1.4. Place of birth

1.5. Home country

1.6. Country of Residence

1.7. Address

1.8. University education (Please indicate university name, university address, dates, degree, and study program)

1.9. Planned duration of your studies according to the study curriculum (in semesters)

1.10. Duration of your studies (in semesters)

1.11. How would you rank your university on an international scale? Please provide some reasons.

1.12. E-mail address

2. Master program of interest

2.1. Full name of the master program of interest

2.2. Reasons for applying to Ilmenau University of Technology?

2.3. Why did you choose this master program?

2.4. Please list at least two personal highlights from this master program.

2.5. Do you know some facts about our university? If yes, please list them.

2.6. Do you know some facts about Ilmenau? If yes, please list them.

3. Academic achievements

3.1. What is the title of your Bachelor thesis (final year project)?

3.2. Explain in more technical details the content of your Bachelor thesis (final year project). Please indicate the problem you solved, the state of the art in the area (including two references) and your major achievements.

3.3. How many ECTS points did you get for your bachelor thesis at your university?

3.4. How many students were working together with you on the same topic?

3.5. How long were you working on the bachelor thesis (in months)?

3.6. Have you received some awards for your academic achievements? If yes, please name and explain them.

3.7. Please provide your list of publications if you have published some research results.

4. Further academic achievements

4.1. Do you already have a Master degree? If yes, please answer the following questions.
In no, proceed with section 5.

4.2. At which university did you obtain your Master degree?

4.3. Name the Master program

4.4. What is the title of your Master thesis?

4.5. Explain in more technical details the content of your Master thesis. Please indicate the problem you solved, the state of the art in the area (including two references) and your major achievements.

4.6. Reasons for joining a second time a Master program.

5. Working Experience

4.1. Do you have any working experience? (Internship or actual work experience. If several, please choose the most relevant one.)

4.2. What was it?

a) Internship b) Employment

4.3. Duration (including dates)

4.4. Company

4.5. Address

4.6. Name your position in the company

4.7. Please, describe your position. What were your tasks and responsibilities?

4.8. If you are/were employed, please provide some reasons why you want to leave your job and join a Master program in Ilmenau?

5. Basic technical knowledge (You have to answer all following questions)

5.1. Please define a wide sense stationary random process $X(t)$?

5.2. How do you calculate the inner product and the outer product of two vectors?

5.3. What is the Fourier transform and why do we use it?

5.4. What is sampling theory?

5.5. Name and explain three different analog modulation schemes.

5.6. Describe the process of A/D (Analog to Digital) conversion.

5.7. What is the purpose of up-sampling / down-sampling?

5.8. What is the ISO/OSI reference model to characterize a communication system?

5.9. What is Internet protocol suite (TCP/IP model)?

6. (Optional) Personality

6.1. Tell us something about yourself

6.2. Do you have a hobby? If yes, what can you tell us about it?

6.3. Tell us some facts about Germany