APPLYING FOR OPEN UNIVERSITY MSC TRACK STUDIES 2018

Studying on the Open University track

Studies on the Open University track are conducted mainly during the day, with some courses possibly available in the evening. The scope of track studies is 20–30 credits, depending on the study programme. All courses must be completed during a single academic year. If the student has expertise acquired through earlier studies or experience that overlaps with the contents of the studies, a personal track study programme may be devised. Open University studies cost €15/cr. The studies are paid for in one payment at the beginning of the academic year.

After completing the Tampere University of Technology MSc track studies, students can apply for TUT’s Master’s degree programmes (from the beginning of 2019 Tampere University).

Students applying for degree programmes from the Open University track are required to have a Bachelor’s-level degree in a suitable field of study (as defined in the student admission criteria decided by the Academic Board on 28 August 2017). Applicants must prove their eligibility and send in their degree certificate with necessary attachments as they apply for track studies. The faculty checks that these preceding studies are acceptable before students are admitted for the track studies.

Applicants can only apply for one track study programme at a time.

Applying for the Open University MSc track

Applications for MSc studies on the Open University track are open for the period of 18 June – 8 July 2018. Only applications received during the application period will be reviewed. Applications can be sent through the online application form: https://www.tut.fi/ethaku/hakijan_sivu.pl?hakuId=1025&language=eng

All applicants must include the following attachments with their application form:

1. Certified copy of the original bachelor’s degree certificate and its English translation
2. Certified copy of the original transcript of records (includes the scope and grades of courses studied for the degree) and its English translation

**Degree completed in Finland:**

If you have completed your degree in a university of applied sciences (AMK) or a university in Finland you do not need to certify the copies of educational documents.

**Degree completed outside Finland:**

The educational documents need to be translated either by the university that issued the original document or an official translator.

The copies of the degree certificate, transcript of records and their translations into English must be certified by a notary public (Local Register Office/ Maistraatti), the Finnish Embassy/Consulate in your home country or the institution that issued the original document with an institutional stamp on the documents.

Applicants who hold a previously completed master’s degree (in Finland or abroad), please let us know and also attach a Statement of Purpose (instructions on a separate attachment) by email to avoin@tut.fi by 8 July 2018.
Applicants who graduate before the end of the application period will be considered for admission. Students who graduate after the application period cannot be admitted.

Applying for degree studies from the MSc track

Students on the MSc track can apply for the right to study in the degree programme their track studies have followed. MSc track students can apply for degree studies during the joint application period in the spring on Studyinfo.fi: [www.studyinfo.fi](http://www.studyinfo.fi). In spring 2019, the application period will be 20 March – 3 April 2019. In the academic year 2018–2019, the study attainments of students on the MSc track will be taken into account for the entire duration of the academic year (until 31 July 2019). Therefore, the decisions on admittance for degree studies will be made in August at the latest. A student may be admitted for degree studies after completing the track studies in the required schedule (within an academic year) and according to the requirements of the degree programmes.

Students on the Open University track may be admitted as degree students, if they do not already have the right to study in a degree programme in TUT or in a joint degree programme of TUT (from the beginning of 2019 Tampere University).

Applicants seeking their first study place towards a Master’s degree are the primary candidates to be admitted as degree students through the Open University track. The studies to be completed in the degree programme must genuinely produce new competence for the applicant. The degree programmes cannot admit students from the Open University track who hold or have mostly completed a Master’s-level degree in a related field and who are applying for a degree programme that contains mostly the same study contents as the applicant’s earlier studies.

English language requirements

In the Master’s degree programmes conducted in English at Tampere University of Technology a good command of English is an absolute prerequisite. When applying to the Master’s degrees programmes you must demonstrate your proficiency in English with an internationally recognised academic language test report. More information can be found on the [Language requirements](#) page.

AVAILABLE STUDY PROGRAMMES AND REQUIREMENTS FOR MSc TRACK STUDIES IN 2018

The MSc track study programmes available to applicants in the 2018 application period and the 2018–2019 study period and their requirements are as follows:

- MSc track, MSc Degree Programme in Automation Engineering, 20 cr
- MSc track, MSc Degree Programme in Biomedical Sciences and Engineering, 21 cr
- MSc track, MSc Degree Programme in Materials Engineering, 21 cr
- MSc track, MSc Degree Programme in Electrical Engineering, 25-28 cr
- MSc track, MSc Degree Programme in Information Technology, 20-23 cr
Open University Track, Automation Engineering, MSc, 20 cr

Related fields of study of the Bachelor’s degree: automation or control engineering, robotics, mechatronics, electrical engineering, aeronautical engineering, mechanical engineering, fluid power or other highly related field. Proficiency in mathematics, physics and programming skills.

Compulsory Courses
MAT-04006  Engineering Mathematics 123  7 cr
MAT-02506  Probability Calculus  4 cr

Complementary Courses
Courses worth at least 9 credits must be selected
ASE-1258  Introduction to Control  4-6 cr (1)
IHA-1756  Hydraulic Machines  5 cr (2)
TIE-02207  Programming 2: Basics  5 cr (3)

(1) For students who’s major in Finnish UAS is Mechanical and Production Engineering or Information Technology
(2) For students who’s major in Finnish UAS is Automation Engineering, Electrical Engineering or Information Technology
(3) For students who’s major in Finnish UAS is Automation Engineering, Mechanical and Production Engineering or Electrical Engineering

Additional information: No minimum requirement of weighted GPA in courses in Open University Track, Automation Engineering

Open University Track, Biomedical Sciences and Engineering, MSc, 21 cr

Related fields of study of the Bachelor’s degree: biomedical engineering, electrical engineering, materials engineering, automation engineering, information technology, chemistry or physics, or other discipline related to the programme with proficiency in mathematics and physics/chemistry

Courses for applicants who have completed degree in Finnish university of applied sciences (AMK):

Compulsory Courses (11 cr)
MAT-04006  Engineering Mathematics 123  7 cr
MAT-02506  Probability Calculus  4 cr

Complementary (choose at least 10 cr):
BMT-61217  Biomedical Engineering Principles  5 cr
BMT-61227  Medical Biomaterials  5 cr
BMT-51016  Introduction to Cell and Molecular Biology  5 cr
TIE-02107  Programming 1: Introduction  5 cr
SGN-11007  Introduction to Signal Processing  5 cr
BMT-74106  Tissue Engineering  3 cr
BMT-61116  Human Anatomy and Physiology  5 cr

If the applicant has completed degree elsewhere than university of applied sciences (AMK) in Finland, a personal track study programme may be devised.

Additional information: The minimum requirement of weighted GPA in courses in Open University Track, Biomedical Sciences and Engineering is 3,0/5,0.
Open University Track, Materials Science and Engineering, MSc, 21 cr

Related fields of study of the Bachelor's degree: materials science, physical or process metallurgy, ceramic science, polymer science. Mechanical engineering, aeronautical engineering or other discipline closely related to the programme, with some materials studies included.

Compulsory Courses
MAT-04006 Engineering Mathematics 123 7 cr
MAT-02506 Probability Calculus 4 cr

Optional Compulsory Courses
Courses worth at least 10 credits must be selected
MOL-11250 Mechanical Behaviour of Materials 5 cr
MOL-11230 Research Methods in Materials Science 5 cr
MOL-11240 Polymer Physics 5 cr

The Optional Compulsory Courses are completed through independent course work, exercises and/or exam, depending on the course chosen.

Additional information: No minimum requirement of weighted GPA in courses in Open University Track, Materials Science and Engineering

Open University Track, Electrical Engineering, MSc, 25-28 cr

Related fields of study of the Bachelor's degree: electrical engineering or other applicable field with proficiency in mathematics, physics and elementary programming skills

Compulsory Courses
MAT-02456 Fourier Methods 4 cr
SGN-11007 Introduction to Signal Processing 5 cr
MAT-02506 Probability Calculus 4 cr

Optional Compulsory Courses
ELT-41736 Analysis of Electromagnetic Systems 5 cr (1)
ELT-40007 Basic Course on Communications Engineering 5 cr (1)
MAT-04006 Engineering Mathematics 123 7 cr (2)
MAT-01166 Mathematics 1 5 cr (2)
MAT-01266 Mathematics 2 5 cr (2)

(1) Select 1 course, ELT-40007 must be studied if the major study module in MSc degree will be Wireless Communications and RF Systems; ELT-41736 must be studied if the major study module in MSc degree will be Smart Grids
(2) Select 7 credit points at least, must choose either MAT-04006 (if student has completed courses in Mathematics at least 12 credit points in AMK degree) or MAT-01166 and MAT-01266.

Additional information: The minimum requirement of weighted GPA in courses in Open University Track, Electrical Engineering is 2,7/5,0.
Open University Track, Information Technology, MSc, 20-23 cr

Related fields of study of the Bachelor's degree: computing, information technology, computer science, electrical engineering, software engineering or other applicable field with proficiency in mathematics, physics and elementary programming skills

Compulsory Courses
- TIE-02408 Programming 3: Techniques 5 cr

Optional Compulsory Courses
- MAT-04006 Engineering Mathematics 123 7 cr
- MAT-01166 Mathematics 1 5 cr
- MAT-01266 Mathematics 2 5 cr
- MAT-02456 Fourier Methods 4 cr
- MAT-02656 Mathematics for Algorithms 4 cr
- MAT-02506 Probability Calculus 4 cr

(¹) Select 7 credit points at least, must choose either MAT-04006 (if student has completed courses in Mathematics at least 12 credit points in AMK degree) or MAT-01166 and MAT-01266.
(²) Select 2 courses, must choose at least two courses

Additional information: The minimum requirement of weighted GPA in courses in Open University Track, Information Technology is 2,7/5,0.