



**DECISION ON ADMISSION TO THE MASTER'S DEGREE PROGRAMMES OF  
THE FACULTY OF SCIENCE, UNIVERSITY OF HELSINKI, IN 2007**

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## **1. Language requirements for Master's degree programmes**

Applicants for the Master's degree programmes are required to have sufficient English language proficiency. Applicants' language skills will be deemed sufficient if their Finnish Bachelor's degree includes compulsory studies in English or if they have completed:

- Upper-secondary studies in English in the Nordic Countries (Finland, Sweden Norway, Denmark and Iceland), or Great Britain, the USA, Canada or New Zealand.
- An International Baccalaureate with English as the A1 (mother tongue) language or European Baccalaureate with English as the LI (mother tongue) or LII language (official foreign language)
- A Bachelor's or Master's polytechnic degree held in English in an EU or ETA country, the USA, Canada, Australia or New Zealand.
- A Bachelor's or Master's degree held in English in an EU or ETA country, the USA, Canada, Australia or New Zealand

Furthermore, the following standardised language tests passed with the minimum grade or score specified below will be considered proof of sufficient English skills:

The Test of English as a Foreign Language (TOEFL):

237 on the computer-based test (CBT) or

580 on the paper-based test (CBT) or

92 on the internet-based test (IBT)

- The Certificate of Proficiency in English (CPE): pass grades A, B or C
- The Certificate In Advanced English (CAE): pass grades A, B, or C
- The International English Language Testing System (IELTS): score 6.5
- The language test set by the University of Helsinki's Language Services: an average score of 5
- The test for the National Certificate of Language Proficiency set by the Finnish National Board of Education: an average score of 5

## **2. Master's Degree Programme in Advanced Spectroscopy in Chemistry**

Students admitted to the Master's degree programme in Advanced Spectroscopy in Chemistry (ASC) at the Faculty of Science will study for a Master of Science degree consisting of 120 ECTS-compatible credits. The target schedule for completing this degree is two years. The degree will include compulsory study modules in Spectroscopy (25 ECTS-compatible credits) and language learning (5 ECTS-compatible credits). Each partner university associated with the Master's degree programme will offer these study modules to its students in the first academic term. In addition, elective studies in spectroscopy (15 ECTS-compatible credits) will be offered in the second academic term. The Master's degree programme will include studies lasting at least one academic term to be completed at a partner university, outside the student's home university. Transfer to a partner university can begin during the second academic term.

The University of Helsinki will propose to the Ministry of Education that the Master's degree programme in Advanced Spectroscopy in Chemistry be included in the Decree on Master's degree programmes offered by Finnish universities (Decree No 569/2005). If the Master's degree programme in Advanced Spectroscopy in Chemistry is not included in the Decree, students of the University of Helsinki admitted to this programme will study for a Master of Science degree in Chemistry on the Chemistry degree programme. In addition to the degree issued by the University of Helsinki, students will, upon completion of the course, receive a Joint Master of Science with thesis diploma, written in English and signed by the ASC international Academic Board

The Master's degree programme in Advanced Spectroscopy in Chemistry will be run at the following partner universities: the University of Helsinki, Université des Sciences et Technologies de Lille (France), the University of Bergen (Norway), the University of Bologna (Italy), the Jagellonian University in Krakow (Poland), the University of Leipzig (Germany) and Universidad Complutense de Madrid (Spain). The Laboratory of Organic Chemistry at the Department of Chemistry, University of Helsinki, is the coordinator of the Master's degree programme.

The Master's degree programme in Advanced Spectroscopy in Chemistry will provide students with high-quality teaching based on internationally recognised research carried out by the seven partner universities.

Upon completion of the programme, graduates will have expertise in spectroscopy and experimental knowledge of modern methods of spectroscopy in chemistry. The following types of spectroscopy will be covered: NMR, electron spin resonance spectroscopy, mass spectroscopy, optical spectroscopy, surface techniques, and X-ray and electron diffraction. The aim is to produce experts in spectroscopy capable of international cooperation for careers in the public and private sectors.

The admissions committee of the Faculty of Science will be responsible for admissions to the Master's degree programme.

### **2.1 The number of students to be admitted**

A maximum of ten students will be admitted to the Master's degree programme in Advanced Spectroscopy in Chemistry.

### **2.2 Application Criteria**

Students are eligible to apply for the Master's degree programme in Advanced Spectroscopy in Chemistry if they have completed a Chemistry Eurobachelor degree or equivalent qualification in Finland or abroad by 3 August 2007. Applicants are required to have sufficient proficiency in English.

### **2.3 Language requirements**

Applicants are required to have sufficient proficiency in English (see section 1).

### **2.4 Application instructions**

Applications must arrive by 27 April 2007, 3:45 pm (local Helsinki time). The completed application form must be accompanied by a copy of the applicant's degree diploma and, if the degree was not awarded by the University of Helsinki, by an official transcript of completed studies. If an official transcript is included, it must be either the original transcript or an

officially certified copy. A copy can officially certified by the awarding educational institution or a notary public.

Applications from students who have completed the required Chemistry Eurobachelor degree or equivalent in Finland must arrive by the application deadline at the Student Affairs Office, Faculty of Science, PL 44, Jyrängöntie 2, 00014 University of Helsinki. All necessary enclosures must be included. Application forms are available from the following website: <http://www.helsinki.fi/lomakkeet/>.

Applications from students who have completed the required Chemistry Eurobachelor degree or equivalent abroad must arrive by the application deadline at International Admissions Services, PL 3 (Fabianinkatu 33), 00014 University of Helsinki (for those applying to the University of Helsinki). All necessary enclosures must be included. Application forms and instructions will be available on the internet from 15 November 2006 at the following address: <http://www.helsinki.fi/admissions/>.

### **2.5 Basis for selection**

Successful applicants for the Master's degree programme in Advanced Spectroscopy in Chemistry will have completed the required Bachelor's degree or equivalent qualification by 3 August 2007 and will be sufficiently proficient in English.

Selection will be on the basis of an applicant's performance in the above-mentioned Bachelor's degree or equivalent qualification. Other studies related to spectroscopy will be considered an advantage.

### **2.6 Admissions decisions**

Admissions decisions will be announced on 29 June 2007. Applicants will be informed of the decision by post.

### **2.7 Appeals**

Applicants dissatisfied with their admissions decision may appeal in writing within 14 days of the announcement of the decision. When appealing, applicants must specify the decision they are appealing against and state the grounds for the appeal.

### **2.8 Acceptance of a place on the degree programme**

Details on enrolment and how to accept a placement on the Master's degree programme in Advanced Spectroscopy in Chemistry will be provided separately to successful applicants by post. See the one-place-per-student-principle (p. 12).

### **2.9 Advice and further information**

The Student Affairs Office of the Faculty of Science, P.O. Box 44, Jyrängöntie 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50066 or +358 9 191 50065, office hours: Mon-Fri 10am-3pm, email: [ml-neuvonta@helsinki.fi](mailto:ml-neuvonta@helsinki.fi), web address: <http://www.helsinki.fi/ml/>. On the day of the deadline for applications, 27 April 2007, the Student affairs office will be open from 10am-3.15pm.

Organic Chemistry amanuensis, tel. (09) 191 50382, e-mail [orgkm-amanuensis@helsinki.fi](mailto:orgkm-amanuensis@helsinki.fi).

### **3. Master's Degree Programme in Atmosphere-Biosphere Studies**

Students admitted to the Master's degree programme in Atmosphere-Biosphere Studies (ABS) at the Faculty of Science study for a Master of Science degree in physics or meteorology consisting of 120 ECTS-compatible credits. The target schedule for completing this degree is two years and the language of instruction is English.

The Master's degree programme in Advanced-Biosphere studies will run at the following partner universities: the University of Helsinki, the University of Kuopio, the University of Lund, Gothenburg University and the University of Copenhagen. At the University of Helsinki, instruction will take place at the Faculty of Science.

The Master's degree programme will provide students with a multifaceted education in atmospheric sciences, covering physical phenomena, air chemistry, meteorology, and interactions between the atmosphere and the biosphere. Students are offered two specialisation options: general atmospheric science and biogeochemical cycles. Although students will specialise in one of the options, they will also become acquainted with the basic principles of the other field. The aim is to produce Master's degree holders able to compete successfully in a range of sectors and to provide a sound basis for working with environmental issues.

The admissions committee of the Faculty of Science will be responsible for admissions to the Master's degree programme.

#### **3.1 The number of students to be admitted**

A maximum of ten students will be admitted to the Master's degree programme in Advanced Atmosphere-Biosphere studies at the University of Helsinki.

#### **3.2 Application Criteria**

Applicants are eligible for the Master's degree programme in Advanced Atmosphere-Biosphere studies if they have completed the relevant Bachelor's degree or equivalent qualification in Finland or abroad by 3 August 2007, and are sufficiently proficient in English.

#### **3.3 Language requirements**

Applicants are required to have sufficient proficiency in English (see section 1)

#### **3.4 Application instructions**

Applications must arrive by 27 April 2007, 3:45 pm (local Helsinki time). The application form must be accompanied by a copy of the degree diploma and, if the degree was not awarded by the University of Helsinki, an official transcript of completed studies. Applicants must also include a letter of application stating, in their own words, their study goals and the reasons for wishing to study this particular field. All official documents enclosed in the application are to be either originals or officially certified copies. A copy can be officially certified by either the awarding educational institution or a notary public.

Applications from students who have completed the required Bachelor degree or equivalent in Finland must arrive by the application deadline at the Student Affairs Office, Faculty of Science, PL 44, Jyrängöntie 2, 00014 University of Helsinki. All necessary enclosures must be included. Application forms are available from the following website: <http://www.helsinki.fi/lomakkeet/>.

Applications from students who have completed the required Bachelor degree or equivalent abroad must arrive by the application deadline at International Admissions Services, PL 3 (Fabianinkatu 33), 00014 University of Helsinki (for those applying to the University of Helsinki). All necessary enclosures must be included. Application forms and instructions will be available on the internet from 15 November 2006 at the following address: <http://www.helsinki.fi/admissions/>.

### **3.5 Basis for selection**

Applicants for the Master's degree programme in Advanced Atmosphere-Biosphere Studies will have completed the relevant Bachelor's degree or equivalent qualification by 3 August 2007 and will be sufficiently proficient in English. Qualifying Bachelor's degrees should include studies in either the natural sciences, bio- and environmental science, or technology.

Selection will be on the basis of applicants' performance in the above-mentioned Bachelor's degree or equivalent, studies completed in the natural sciences, bio-and environmental science or technology and on the basis of the letter of application.

### **3.6 Admissions decisions**

Admissions decisions will be announced on 29 June 2007. Applicants will be informed of the decision by post

### **3.7 Appeals**

Applicants dissatisfied with their admissions decision may appeal in writing within 14 days of the announcement of the decision. When appealing, applicants must specify the decision they are appealing against and state the grounds for the appeal.

### **3.8 Acceptance of a place on the degree programme**

Details on enrolment and how to accept a place on the Master's degree programme in Advanced Atmosphere-Biosphere Studies will be provided separately to successful applicants by post. See the one-place-per-student-principle (p. 12)

### **3.9 Advice and further information**

The Student Affairs Office of the Faculty of Science, P.O. Box 44, Jyrängöntie 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50066 or +358 9 191 50065, office hours: Mon-Fri 10am-3pm, email: [ml-neuvonta@helsinki.fi](mailto:ml-neuvonta@helsinki.fi), web address: <http://www.helsinki.fi/ml/>. On the day of the deadline for applications, 27 April 2007, the Student affairs office will be open from 10am-3.15pm.

Further information about the Master's degree programme in atmosphere-biosphere studies is available at <http://www.atm.helsinki.fi/MASTER/>, and from Mr Antti Lauri, MSc, Coordinator, Department of Physical Sciences, Division of Atmospheric Sciences, P.O. Box 64, Gustaf Hällströmin katu 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50716, email: [antti.lauri@helsinki.fi](mailto:antti.lauri@helsinki.fi).

#### **4. Master's Degree Programme in Space Sciences**

Students admitted to the Master's degree programme in Space Sciences at the Faculty of Science will study for an MSc in Space Sciences consisting of 120 ECTS-compatible credits. The target schedule for completing this degree is two years.

The Master's Degree programme in Space Sciences will be held in English, primarily at the Department of Astronomy and the Department of Physical Sciences, University of Helsinki. Students may also, depending on their individual study-plans, take courses offered by the Major in Space Technology and Science programme at Helsinki University of Technology. In addition, The Finnish Meteorological Institute, through the Kumpala Space Centre, will take part in the supervision of thesis and dissertation work.

The University of Helsinki will propose to the Ministry of Education that the Master's degree programme in Space Sciences be included in the Decree on Master's degree programmes offered by Finnish universities (Decree No 569/2005). If it is not included in the Decree, students of the University of Helsinki will major in Space Sciences on the Master's programme of the Department of Physical Sciences.

The programme aims to produce high-level experts qualified to work in research, advisory and training positions in both Finnish and international organisations.

The admissions committee of the Faculty of Science will be responsible for admissions to the Master's degree programme.

##### **4.1 The number of students to be admitted**

A maximum of ten students will be admitted to the Master's degree programme in Space Sciences.

##### **4.2 Application Criteria**

Applicants are eligible for the Master's degree programme in Space Sciences if they have completed an appropriate Bachelor's degree or equivalent qualification in Finland or abroad by 3 August 2007, and are sufficiently proficient in English. In particular, qualifying degrees include Bachelor's degrees in physics, geophysics, meteorology, theoretical physics and astronomy, and Bachelor's degrees or equivalent qualifications with sufficient grounding in physics from polytechnics and universities of technology

##### **4.3 Language requirements**

Applicants are required to have sufficient proficiency in English (see section 1)

##### **4.4 Application instructions**

Applications must arrive by 27 April 2007, 3:45 pm (local Helsinki time). The completed application form must be accompanied by a copy of the applicant's degree diploma and, if the degree was not awarded by the University of Helsinki, an official transcript of completed studies. If an official transcript is included, it must be either the original transcript or an officially certified copy. A copy can officially certified by the awarding educational institution or a notary public.

Applications from students who have completed the required Bachelor degree or equivalent in Finland, must have arrived by the application deadline at the Student Affairs Office, Faculty of Science, PL 44, Jyrängöntie 2, 00014 University of Helsinki. All necessary enclosures must be included. Application forms are available from the following web-site: <http://www.helsinki.fi/lomakkeet/>.

Applications from students who have completed the required Bachelor's degree or equivalent abroad must have arrived by the application deadline at the International Admissions Services, PL 3 (Fabianinkatu 33), 00014 University of Helsinki. All necessary enclosures must be included. Application forms and instructions will be available on the internet from 15 November 2006 at the following address: <http://www.helsinki.fi/admissions/>.

#### **4.5 Basis for selection**

Applicants for the Master's degree programme in Space Sciences will have completed an appropriate Bachelor's degree or equivalent qualification by 3 August 2007 and will be sufficiently proficient in English.

Selection will be on the basis of applicants' performance in the above-mentioned Bachelor's degree or equivalent qualification and on the number of credits acquired. The grade achieved should be a minimum of three on a scale of five, or the equivalent if a different grading system is used by the awarding institution.

#### **4.6 Admissions decisions**

Admissions decisions will be announced on 29 June 2007. Applicants will be informed of the decision by post.

#### **4.7 Appeals**

Applicants dissatisfied with their admissions decision may appeal in writing within 14 days of the announcement of the decision. When appealing, applicants must specify the decision they are appealing against and state the grounds for the appeal.

#### **4.8 Acceptance of a place on the degree programme**

Details on enrolment and how to accept a place on the Master's degree programme in Space Sciences will be provided separately to successful applicants by post. See the one-place-per-student-principle (p.12).

#### **4.9 Advice and further information**

The Student Affairs Office of the Faculty of Science, P.O. Box 44, Jyrängöntie 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50066 or +358 9 191 50065, office hours: Mon-Fri 10am-3pm, email: [ml-neuvonta@helsinki.fi](mailto:ml-neuvonta@helsinki.fi), web address: <http://www.helsinki.fi/ml/>. On the day of the deadline for applications, 27 April 2007, the Student affairs office will be open from 10am-3.15pm.

Coordinators of the Master's degree programme:

Professor Hannu Koskinen ([Hannu.E.Koskinen@helsinki.fi](mailto:Hannu.E.Koskinen@helsinki.fi)),  
Juhani Huovelin, senior lecturer ([Juhani.Huovelin@helsinki.fi](mailto:Juhani.Huovelin@helsinki.fi)).



## **5. Master's Degree Programme in Bioinformatics**

Students admitted to the Master's Degree Programme in Bioinformatics will study for either a Master's of Science degree in Bioinformatics at the Faculty of Science, University of Helsinki or a Master's of Science (Technology) degree in Bioinformatics at Helsinki University of Technology on its Master's programme in Computer Science and Engineering. Both degrees consist of 120 ECTS-compatible credits. The target schedule for completing these degrees is two years. Teaching will be arranged jointly by the University of Helsinki and Helsinki University of technology. At the University of Helsinki, instruction will be provided by the Faculty of Science, the Faculty of Biosciences, the Faculty of Medicine and the Faculty of Agriculture and Forestry and at Helsinki University of Technology by the Department of Computer Science and Engineering.

The University of Helsinki will propose to the Ministry of Education that the Master's degree programme in Bioinformatics be included in the Decree on Master's degree programmes offered by Finnish universities (Decree No 569/2005)). If it is not included in the Decree, students of the University of Helsinki will major in Bioinformatics on either the Computer Science or Statistics Master's programmes.

In the 2007-2008 academic year, all compulsory studies on the Master's degree programme will be arranged in English. Application is international in nature and proficiency in English is a prerequisite.

The programme aims to produce high-level experts in the field of bioinformatics for positions in bio-medical research and product development and to provide a strong base for continuing studies in the development of methods and techniques in bioinformatics. Instruction is based on the research of world-class research groups working in close connection with the programme. The admissions committee of the Faculty of Science will be responsible for admissions to the Master's degree programme

### **5.1 The number of students to be admitted**

A maximum of 15 students will be admitted to the Master's degree programme in Bioinformatics at the University of Helsinki.

### **5.2 Application Criteria**

Applicants are eligible for the Master's degree programme in Bioinformatics if they have completed an appropriate Bachelor's degree or equivalent qualification in Finland or abroad by 3 August 2007 and are sufficiently proficient in English.

### **5.3 Language requirements**

Applicants are required to have sufficient proficiency in English (see section 1)

### **5.4 Application Instructions**

The University of Helsinki and Helsinki University of Technology will arrange a joint selection process for the Master's degree programme in Bioinformatics. The basis for selection is the same for both institutions.

Students can apply to both institutions. Applicants mark the institutions in order of preference on the application form. This choice is binding and cannot be changed after the application

deadline has passed. An applicant can only be selected to one institution. Once a place on the Master's degree programme has been offered by one of the institutions, successful applicants are not entitled to queue for a place at their preferred institution

Applicants should return their applications to the institution marked as their first choice.

Applications must arrive by 31 January 2007, 3:45pm (local Helsinki time). The application form must be accompanied by a copy of the degree diploma and, if the degree was not awarded by the University of Helsinki, an official transcript of completed studies. Applicants must also include a letter of application stating, in their own words, their study goals and the reasons for wishing to study this particular field. All official documents enclosed in the application are to be either originals or officially certified copies. A copy can be officially certified by either the awarding educational institution or a notary public.

Applications to the University of Helsinki from students who have completed the required Bachelor's degree or equivalent in Finland must arrive by the application deadline at the Student Affairs Office, Faculty of Science, PL 44, Jyrängöntie 2, 00014 University of Helsinki. All necessary enclosures must be included. Application forms are available from the following website: <http://www.helsinki.fi/lomakkeet/>.

Applications to the University of Helsinki from students who have completed the required Bachelor's degree or equivalent abroad must arrive by the application deadline at International Admissions Services, PL 3 (Fabianinkatu 33), 00014 University of Helsinki (for those applying to the University of Helsinki). All necessary enclosures must be included. Application forms and instructions will be available on the internet from 15 November 2006 at the following address: <http://www.helsinki.fi/admissions/>.

### **5.5 Basis for Selection**

Applicants for the Master's degree programme in Bioinformatics will have completed both:

- a) an appropriate Bachelor's degree or equivalent qualification by 3 August 2007 and will be sufficiently proficient in English
- b) a minimum of 60 ECTS-compatible credits in computer and mathematical science (mathematics, statistics, computer science or information technology), or related studies in bioinformatics.

Selection will be on the basis of applicants' performance the above-mentioned Bachelor's degree or equivalent qualification, the number of relevant credits acquired, and on the letter of application. During selection, particular value will be placed on studies completed in the following fields: algorithms, bioinformatics, biomathematics, discreet mathematics, computational modelling, linear algebra, programming, data bases, statistics and probability theory. Other relevant studies in biological or medical science will be considered an advantage.

### **5.6 Admissions decisions**

Admissions decisions will be announced on 4 April 2007. Applicants will be informed of the decision by post.

### **5.7 Appeals**

Applicants dissatisfied with their admissions decision may appeal in writing within 14 days of the announcement of the decision. When appealing, applicants must specify the decision they are appealing against and state the grounds for the appeal.

## **5.8 Acceptance of a place on the degree programme**

Details on enrolment and how to accept a place on the Master's degree programme in Bioinformatics will be provided separately to successful applicants by post. See the one-place-per-student-principle (p.12).

## **5.9 Advice and further information**

The Student Affairs Office of the Faculty of Science, P.O. Box 44, Jyrängöntie 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50066 or +358 9 191 50065, office hours: Mon-Fri 10am-3pm, email: [ml-neuvonta@helsinki.fi](mailto:ml-neuvonta@helsinki.fi), web address: <http://www.helsinki.fi/ml/>. On the day of the deadline for applications, 31 January 2007, the Student affairs office will be open from 10am-3.15pm.

Coordinator of the Master's degree in Bioinformatics programme: Esa Pitkänen, <http://www.cs.helsinki.fi/esa.pitkanen>, [bioinfo@cs.helsinki.fi](mailto:bioinfo@cs.helsinki.fi)

## **6. Master's Degree Programme in Geoinformatics**

Students admitted to the Master's degree programme in Geoinformatics (GIMP) at the Faculty of Science will study for a Master of Science degree consisting of 120 ECTS-compatible credits. The target schedule for completing this degree is two years. The degree includes a compulsory minor subject module (25 ECTS-compatible credits) in computer science, unless the student has completed this module in his or her Bachelor's degree.

The Master's degree programme in Geoinformatics is offered in English by the University of Helsinki and the Helsinki University of Technology. Instruction will take place, primarily, at the Department of Geography, University of Helsinki, but some courses will be offered at the Department of Computer Science and the Department of Physical Sciences, as well as at the Faculty of Agriculture and Forestry and the Faculty of Biosciences. Students admitted to the Master's degree programme also complete courses at the Department of Surveying, the Department of Civil and Environmental Engineering, and at the Department of Information Technology at the Helsinki University of Technology. The Department of Geography, University of Helsinki, coordinates the Master's degree programme. Professor of Geoinformatics Petri Pellikka is the director of the Master's degree programme and the chairman of the steering group, and Mr Tino Johansson, MSc, is the programme coordinator.

The Master's degree programme in Geoinformatics will provide students with expertise in the retrieval, analysis and application of geographic information and in the development and building of geographic information systems. Upon completion of the programme, graduates will also be able to present geographic information using the method of cartographic representation. The Master's degree programme focuses on the development and application of geographic information in the mapping, study, conservation and use of natural resources and areas. The aim is to produce experts in the application of geographic information for careers in the public and private sectors.

The admissions committee of the Faculty of Science will be responsible for admissions to the Master's degree programme.

### **6.1 The number of students to be admitted**

A maximum of 15 students will be admitted to the Master's degree programme in Geoinformatics at the University of Helsinki.

## **6.2 Application Criteria**

Applicants are eligible for the Master's degree programme in Geoinformatics if they have completed an appropriate Bachelor's degree or equivalent qualification in Finland or abroad by 3 August 2007, and are sufficiently proficient in English. In particular, Bachelor's degrees, awarded by universities, polytechnics and institutions of higher education, in science, agriculture and forestry, bio- and environmental sciences and engineering and technology will be considered qualifying degrees.

## **6.3 Language requirements**

Applicants are required to have sufficient proficiency in English (see section 1).

## **6.4 Application Instructions**

Applications must arrive by 31 January 2007, 3:45pm (local Helsinki time). The completed application form must be accompanied by a copy of the applicant's degree diploma and, if the degree was not awarded by the University of Helsinki, by an official transcript of completed studies. If an official transcript is included, it must be either the original transcript or an officially certified copy. A copy can officially certified by the awarding educational institution or a notary public.

Applications from students who have completed the required Bachelor degree or equivalent in Finland must arrive by the application deadline at the Student Affairs Office, Faculty of Science, PL 44, Jyrängöntie 2, 00014 University of Helsinki. All necessary enclosures must be included. Application forms are available from the following website: <http://www.helsinki.fi/lomakkeet/>.

Applications from students who have completed the required Bachelor degree or equivalent abroad must arrive by the application deadline at International Admissions Services, PL 3 (Fabianinkatu 33), 00014 University of Helsinki (for those applying to the University of Helsinki). All necessary enclosures must be included. Application forms and instructions will be available on the internet from 15 November 2006 at the following address: <http://www.helsinki.fi/admissions/>

## **6.5 Basis for Selection**

Applicants for the Master's degree programme in Geoinformatics will have sufficient English proficiency and will have completed both:

- a) an appropriate Bachelor's degree or equivalent qualification by 3 August 2007
- b) a combined minimum of 25 ECTS-compatible credits in geoinformatics and computer science.

Selection will be on the basis of applicants' performance the above-mentioned Bachelor's degree or equivalent qualification and the extent of their studies in geoinformatics. Studies in computer science will be considered an advantage.

## **6.6 Admissions decisions**

Admissions decisions will be announced on 4 April 2007. Applicants will be informed of the decision by post.

## **6.7 Appeals**

Applicants dissatisfied with their admissions decision may appeal in writing within 14 days of the announcement of the decision. When appealing, applicants must specify the decision they are appealing against and state the grounds for the appeal.

## **6.8 Acceptance of a place on the degree programme**

Details on enrolment and how to accept a place on the Master's degree programme in Gioinformatics will be provided separately to successful applicants by post. See the one-place-per-student-principle (p. 12).

**6.9** The Student Affairs Office of the Faculty of Science, P.O. Box 44, Jyrängöntie 2, 00014 University of Helsinki, Finland, tel. +358 9 191 50066 or +358 9 191 50065, office hours: Mon-Fri 10am-3pm, email: [ml-neuvonta@helsinki.fi](mailto:ml-neuvonta@helsinki.fi), web address: <http://www.helsinki.fi/ml/>. On the day of the deadline for applications, 31 January 2007, the Student affairs office will be open from 10am-3.15pm

Coordinator of the Master's degree programme, Mr Tino Johansson, email: [tino.johansson@helsinki.fi](mailto:tino.johansson@helsinki.fi), tel. +358 9 191 51045

## **7. The one-place-per-student principle**

According to the one-place-per-student principle in Finnish higher education, students may accept only one place at a polytechnic (polytechnic and postgraduate polytechnic degree programmes) or university (Bachelor's and Master's degree programmes) per academic year. The academic year 2007-2008 will begin on 1 August 2007 and end on 31 July 2008. Even if students postpone the commencement of studies by a year or interrupt their studies, they cannot accept more than one place on a degree programme in the same academic year. This regulation applies both to the summer application process and to separate application processes.

Universities and polytechnics will announce the admissions decisions for their degree programmes by 20 July 2007 at the latest. Applicants may be admitted to one or more programmes and must notify, in writing, by 3 August 2007 which place they will accept.

Details on enrolment and how to accept a placement will be provided separately to successful applicants by post.