

## **DESCRIPTION OF PROGRAMME AND E-MAIL APPLICATION PROCEDURES**

**The following Master of Science degree courses are offered in English for the 2012-2013 Academic Year:**

1. Plant protection
2. Agriculture
3. Wildlife Conservation and Management
4. Agricultural biotechnology
5. Rural development and agribusiness
6. Animal science

### **Universities**

The following universities are participating:

- University of Pannonia Georgikon Faculty
- Szent István University Faculty of Agricultural and Environmental Sciences
- Szent István University Faculty of Economics and Social Sciences,
- Debrecen University, Faculty of Agricultural and Food Sciences and Environmental Management

### **Conditions**

A minimum number of enrolments is required for courses to be offered.

The scholarship will cover:

- application and tuition fees throughout the study period;
- basic books and notes;
- dormitory accommodation
- subsistence costs

Scholarship students are entitled to the same health care coverage offered to Hungarian students during the course of the scholarship. The scholarship cover student costs only; relatives of the candidate are not supported within the frame of this programme.

### **List of Beneficiary countries**

Nationals of the following countries are eligible to apply to the Scholarship Programme:

Afghanistan, Albania, Algeria, Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Ethiopia, Kazakhstan, Kenya, Kosovo, Kyrgyzstan, Laos, Macedonia, Moldova, Mongolia, Montenegro, Namibia, Palestine, Serbia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Vietnam.

## **Application and selection process**

The selection process as described below applies to scholarships beginning in September 2012.

Student selection will take place in two phases:

**Phase 1:** FAO will pre-screen candidates and submit recommendations to the Ministry of Rural Development in Hungary that will send them to the corresponding University as chosen by the applicants. Students must submit only **COMPLETED** dossiers. Incomplete dossiers will not be considered. It is important to note that a favourable pre-screening in the first step does not guarantee selection.

**Phase 2:** The participating Universities will run a further selection process and inform each of the successful candidates. Student selection will be made by the Universities only, without any involvement on the part of FAO. Selected students will also be notified by the Ministry. Selected candidates may be asked to take a written or oral English examination as part of the admission procedure.

### **Candidates will be selected on the basis of the following criteria:**

- Citizenship of one of the eligible countries
- Excellent school achievements
- Good health
- Motivation
- English language proficiency (for courses taught in English)
- Age (candidates under 30 are preferred)

### **Application procedure**

Interested applicants should prepare a dossier to be sent by E-MAIL consisting of:

- Application form duly completed
- A recent curriculum vitae
  - A copy of high school/college diploma and transcript/report of study or copy of the diploma attachment
- Copies of relevant pages of passport
- A letter of recommendation
- Statement of motivation
- A certificate of good health
- A statement of clean criminal records

All submitted documents must be in **ENGLISH**. Documents submitted in any other language will not be accepted. It is the applicant's responsibility to ensure that documents are duly translated and certified by a competent office.

## **Deadlines**

Applications by interested candidates should be E-MAILED to FAO by

**28 February 2012**

Paper copies of dossiers received by post or courier or any other way, will not be taken into consideration.

## **Important notes**

As the number of scholarships are limited, interested applicants are strongly encouraged to E-MAIL their applications as soon as possible.

Applicants who were not selected in previous years may re-apply to the 2012-2013 Programme. These applicants will have to submit the complete dossier once again by E-MAIL ONLY.

Please note that the duration of the scholarship cannot be extended.

A Scholarship Study Contract will be signed between the selected student and the Ministry of Rural Development (MRD) at the time of first semester registration.

Students are asked to fill out an end of course evaluation upon completion of their studies and complete questionnaires on a periodic basis in order to evaluate the impact of their education. Applicants wishing to explore external funding opportunities to cover the travel costs may do so at their own initiative. However, in view of the length of the process, applicants wishing to apply for 2012 scholarships are strongly encouraged to E-MAIL their application while they endeavour to identify funds or pending confirmation that such funds will be granted.

All queries concerning the programme or the application process should be E-MAILED to FAO at:

[capacity-development@fao.org](mailto:capacity-development@fao.org)

## **COURSE DESCRIPTIONS AND SUMMARY OF CONDITIONS**

Nature and level of courses:	<p>MSc courses in the following subjects:</p> <ul style="list-style-type: none"> <li>• Plant protection</li> <li>• Agriculture</li> <li>• Wildlife Conservation and Management</li> <li>• Agricultural biotechnology</li> <li>• Rural development and agribusiness</li> <li>• Animal science</li> </ul>
Universities:	<ul style="list-style-type: none"> <li>• University of Pannonia, Georgikon Faculty</li> <li>• Szent István University, Faculty of Agricultural and Environmental Sciences</li> <li>• Szent István University, Faculty of Economics and Social Sciences</li> <li>• Debrecen University, Faculty of Agricultural and Food Sciences and Environmental Management</li> </ul>
Who can participate:	<p>Students holding a BSc/MSc or equivalent. Specific requirements may be applied by single Universities, see detailed description</p> <p>Nationals from eligible countries (see page 1)</p>
Form of support:	Scholarship
Duration of scholarship:	22 months
Language:	English
Age limit:	No formal age limits, candidates under age 30 preferred
Other conditions:	Students applying to English courses should have an appropriate level of knowledge in oral and written English (certificate)
<p>Deadline for applying to FAO by</p> <p><b>E-MAIL:</b> <a href="mailto:capacity-development@fao.org">capacity-development@fao.org</a></p>	28 February 2012

## **MSC IN PLANT PROTECTION**

**ENGLISH LANGUAGE**

**At the University of Pannonia, Georgikon Faculty**

**Keszthely, Hungary**

**<http://www.georgikon.hu>**

**(Application code: "E1")**

**Course name:** Plant protection

**Degree:** MSc in Plant Protection

**Education goals:**

The programme aims to train plant protection specialists to fulfil managerial, organizational, consulting, regulatory and marketing tasks, based on their extensive theoretical knowledge. Such experts are able to detect the organisms, which are threatening plants (pathogens, pests, weeds) and they are acquainted with their biology and reproduction, and also with the effects and mechanism of pesticides concerning even the environment and human hygiene. They can prevent the harms and damages caused by the above-mentioned organisms and they are applying the procedures of ecological and integrated plant protection in order to reduce the pesticide-load of the environment. In their work they are always attentive to the safety of food, processors, consumers and the environment. Having a degree in higher education they are permitted to use restricted chemicals. The further aim is to prepare interested students for research work and PhD training in the field of plant protection.

Knowledge to be acquired through the MSc specialization:

- botanical, chemical, ecological, molecular biological, agrozoological, phytopathological, herbological and plant cultivation knowledge;
- natural, economical, commercial, environmental protectional, rural developmental, business and management knowledge necessary for the practice of our specialization;
- economics and mechanical knowledge in the field of plant protection;
- technical, technological knowledge;
- plant biotechnological, resistance biological, diagnostic knowledge;
- knowledge of professional consultation and operating the system of supporting decision.

**Length of the study programme:** 4 semesters

**Total credits:** 120 credits

**Admission criteria, application requirements:**

Applicants interesting in a Master's-level programme must hold an undergraduate degree (B.Sc. or equivalent) in relevant field of science or related area. Degree qualifications are assessed individually in accordance with the diploma (Degree Certificate) and its attachments, or with the Report of Study (Index).

Should the undergraduate degree not be in a relevant field, credits accrued from related courses can be accepted by the Admissions office. A list of these related courses is shown below. A minimum of 60 credits is required for admission. In this case, an additional 24 credits can be accrued during the Master's course, in accordance with the Regulation of Education and Examinations.

The following relevant courses can be accredited: natural sciences, technical and social sciences, horticultural production, plant protection, crop production, animal husbandry and economics, according to the comparison determined by legislation concerning higher education and related ministerial decrees.

**Language requirements:** excellent command of English. Proof of proficiency in English (e.g. TOEFL, IELTS, etc.) must be submitted with the application.

## **MSC IN AGRICULTURAL SCIENCES**

**ENGLISH LANGUAGE**

**At the Szent István University, Faculty of Agricultural and Environmental Sciences,  
Gödöllő City, Hungary**

**<http://www.mkk.szie.hu/en>**

**(Application code: "E2")**

**Course Name:** Agricultural sciences

**Degree:** MSc in Agricultural Engineering

**Education goals:** The objective of the M.Sc. program is to educate future agricultural engineers, who are able to apply the knowledge of agricultural and natural sciences, technical science, social and economical sciences in diverse areas of modern agriculture. The study plan considers the increasing demand for agricultural engineers with skills to plan and control the agricultural production processes in a changing political, economical and natural (including climate change) environment in Europe, Africa and elsewhere. Competitive training in precision techniques, new breeding systems, and biotechnology, as well in economics and social sciences and languages are part of the education. . Students are able to focus their thesis research and dissertations on topics including horticulture, soil/water management, international agriculture, animal husbandry and crop production/protection.

**Duration of the programme:** 4 semesters (22 months)

**Total credits:** 120

**Admission criteria:**

Undergraduate degree (B.Sc. or equivalent) in relevant field of science or related area (Degree qualifications are assessed individually in accordance with the diploma and its attachments or with the Report of Study (Index)).

**Language requirements:** Good command of English. Evidence of English ability (e.g. TOEFL, IELTS, etc.) shall be enclosed to the application.

**Procedure for transfer of credits:** Should the undergraduate degree not be in a relevant field, credits accrued from related courses can be accepted by the Admissions office.

List of related courses: natural, technical and social sciences, crop production, animal husbandry, economy.

A minimum of **60 credits** is required for admission.

## **MSC IN WILDLIFE CONSERVATION AND MANAGEMENT**

**ENGLISH LANGUAGE**

**At the Szent István University, Faculty of Agricultural and Environmental Sciences,  
Gödöllő City, Hungary**

**<http://www.mkk.szie.hu/en>**

**(Application code: “E3”)**

***Course Name:*** Wildlife Conservation and Management

***Degree:*** MSc in Wildlife Conservation and Management

***Education goals:*** The evolution of wildlife conservation and management over the past half century is a fascinating story. Changes of human societies, new agricultural technologies, industrial developments have resulted in habitat losses, overuse, and the global crisis of biodiversity. Today thousands of wildlife biologist and managers are employed around the world. Although the roots of wildlife profession remain strongly moored in game management, the wildlife profession expanded to nongame species, threatened or endangered species, and pests or invasive species. Depending on the situation wildlife management means conservation of declining populations, sustainable harvesting of healthy populations, or control of overabundant populations. The purpose of this programme is to educate a new generation of wildlife professionals with sound knowledge of ecological principles and applications, ability to use traditional methods and innovative new technologies, and understand human dimensions of wildlife management. The programme integrates theoretical principles, practical developments, and quantitative methods to educate professionals able to cope with challenges of the 21st century. In the MSc Programme emphasis is balanced on lectures, laboratory/field works, and field training in specific subjects. In order to get degree students should prepare a thesis based on their own research.

***Duration of programme:*** 4 semesters (22 months)

***Total credits:*** 120

***Admission criteria:*** Undergraduate degree (B.Sc. or equivalent) in relevant field of science or related area (Degree qualifications are assessed individually in accordance with the diploma and its attachments or with the Report of Study (Index)).

***Language requirements:*** Good command of English. Evidence of English ability (e.g. TOEFL, IELTS, etc.) shall be enclosed to the application.

***Procedure for transfer of credits:*** When the field of degree is not related to the chosen M.Sc. Programme, credits of the relevant courses in the Report of Study (Index) will be acknowledged by the admission office.

## **MSc in AGRICULTURAL BIOTECHNOLOGY**

**English Language**

**At the Szent István University, Faculty of Agricultural and Environmental Sciences,  
Gödöllő City, Hungary**

**<http://www.mkk.szie.hu/en>**

**(Application code: “ E4”)**

**Course Name:** Master in Agricultural Biotechnology

**Degree:** Master in Agricultural Biotechnology

**Education goals:** The aim of the programme is to train agricultural biotechnology engineers, who are competent in the field of biochemistry, microbiology, physiology, traditional and molecular genetics, transgenic breeding, reproduction biology and dissemination biology and familiar with the practical laboratory skills. The MSc programme will equip them with theoretical knowledge, communication and management skills which, in turn, allow them to become efficient researchers, design engineers and leaders as well as to start their PhD course. The MSc course will allow them to gain theoretical and practical knowledge in the different areas of biotechnology, genomics and gene technology, to be familiar with genomics, molecular biology, biotechnology, reproduction biology, gene technology and molecular breeding related to crop production and animal husbandry.

**Length of the programme:** 4 semesters (22 months)

**Total credit:** 120

**Admission criteria:**

- Undergraduate degree (B.Sc. or equivalent) in relevant field of science or related area (Degree qualifications are assessed individually in accordance with the diploma and its attachments, or with the Report of Study (Index)).
- When the field of degree is not related to the chosen M.Sc. Programme, credits of the relevant courses in the Report of Study (Index) will be acknowledged by the admission office.

**Language requirements:** - Good command of English.

**Procedure for transfer of credits:**

When the field of degree is not related to the chosen M.Sc. Programme, credits of the relevant courses in the Report of Study (Index) will be acknowledged by the admission office. List of acceptable courses for the M.Sc. programmes are specified below. **Minimum number of 60 credits** should be achieved for admission.

Acceptable courses: natural sciences, principles of agriculture, principles of economy and social sciences



## **MSC IN RURAL DEVELOPMENT AND AGRIBUSINESS**

**ENGLISH LANGUAGE**

**At the Szent István University, Faculty of Economics and Social Sciences**

**Gödöllő City, Hungary**

**<http://www.gtk.szie.hu>**

**(Application code: "E5")**

***Course Name:*** Rural Development and Agribusiness

***Degree:*** MSc in Rural Development and Agribusiness

***Education goals:*** The training - based on agricultural, economic, management and rural sociology studies – focuses primarily on the understanding of the current problems of sustainable development and rural regions, the cooperation in the possible directions of development, the preparation of actual development projects, as well as the management and monitoring of project implementation. The training also covers the questions of loss minimization after harvests, development and management of local markets, as well as logistics management and warehousing.

The most special feature of the Rural Development and Agribusiness course is the organization of frequent study trips. "Learning by Seeing" is stressed through the visits to different scales of farms, municipalities and rural development agencies and projects. The students can also experience the European identity during study tours to the European Union institutions in Brussels and to our partner universities in neighbouring Slovakia and Romania. The wide range of management and rural development skills enable the graduates to pursue different careers and adapt their knowledge to different conditions in their home countries.

***Duration of programme:*** 4 semesters (22 months)

***Total credits:*** 120

***Admission criteria:*** Undergraduate degree (bachelors or equivalent). On the basis of former studies the student shall have at least 60 credits in natural sciences, agricultural sciences, economic, rural development or public administration sciences

***Language requirements:*** Good command of English. Evidence of English ability (e.g. TOEFL, IELTS, etc.) shall be enclosed to the application.

***Procedure for transfer of credits:*** individual judgement on the basis of the copy of BSc degree certificate and a transcript.

## **MSC COURSE ON ANIMAL SCIENCE**

**ENGLISH LANGUAGE**

**Debrecen University, Faculty of Agricultural and Food Sciences and Environmental  
Management**

**Debrecen, Hungary**

<http://portal.agr.unideb.hu/>

**(Application code: "E6")**

***Course name:*** Animal Science

***Degree:*** MSc in Animal Science

***Education Goals:***

The MSc in Animal Science is designed to develop your undergraduate knowledge and improve it through application and research. The field of Animal Science is broad and the programme reflects this diversity, with emphasis on Physiology, Nutrition and Genetics. Gene Conservation, Functional Food and Molecular Biology are the key research areas of the Institute.

We offer you a 4 week field practice in summer.

Areas of Study: Biochemistry, Quantitative and Molecular Genetics, Physiology, Reproductive Biology, Microbiology, Research Methods, Animal Production, Animal Nutrition, Natural Resource Management, Wild Animal Health, Aquaculture, Fisheries and Management, Food Safety and Quality, Economics and Planning.

***Duration of programme:*** 4 semesters

***Total credits:*** 120

***Entry qualifications:***

BSc degree or higher in Biological or Animal Science, or other biology-related degree. Other approved accreditation or professional qualification. A TOEFL result of over 550.

## **MSC COURSE IN AGRICULTURE**

**ENGLISH LANGUAGE**

**Debrecen University, Faculty of Agricultural and Food Sciences and Environmental  
Management**

**Debrecen, Hungary**

<http://portal.agr.unideb.hu/>

**(Application code: "E7")**

***Course Name:*** Agriculture

***Degree:*** MSc in Agriculture

***Education Goals:***

The MSc in Agricultural Engineering is designed to develop your undergraduate knowledge and improve it through application and research. The field of Agricultural Engineering is broad and the programme reflects this diversity, with emphasis on Applied biochemistry, Applied plant physiology, Applied genetics and biotechnology, Applied soil science, Production physiology, Nutrient management are the key research areas of the Institute.

Throughout your stay at Debrecen University, which is the second largest university in Hungary, with 30 000 students, as a postgraduate student of Agricultural Engineering, you will have a personal academic tutor to guide you through your studies and to meet your individual goals and interests.

Areas of Study: Animal nutrition, Integrated crop production, Animal husbandry, Soil cultivation and land development, Horticulture, Environment and land use, Marketing, Product quality, Sectoral economy, Research methodology, Communication, Quality assurance, Management, Goat breeding, Medical and spice crops production, Biometrics, Integrated plant protection, Organic farming, Ethology, Project management, EU knowledge, Animal breeding, Milk and meat processing, Extension in crop production

***Duration of programme:*** 4 semesters

***Total credits:*** 120

***Entry qualifications:***

BSc degree or higher in Agricultural Science. or other biology-related degree. Other approved accreditation or professional qualification. A TOEFL score of over 550.