

# 农业院校教师赴美培训与交流项目

项目编号：EUC-US-MT

**项目简介：**【农业院校教师赴美培训与交流项目】是欧中农业交流基金会与美国明尼苏达大学共同开发的短期培训交流项目，旨在为国内农林院校在职教师提供到美国大学进行培训和交流的机会。项目为期四个月，课程安排在美国明尼苏达大学校园内，学员能在美国最著名的农业大学中学习和生活，深入了解美国高校课程设置和教学方法，同时在纯美语授课环境中迅速提高外语水平，开阔视野，为回国后的教学工作提供珍贵的借鉴和广阔的思路。

**项目国家：**美国

**签证类型：**J-1 培训交流签证

**项目时间：**一学期（约四个月）

**项目费用：**人民币 **27000** 元/人

**费用包含：**

- 1、报名申请、面试与审核
- 2、学费
- 3、项目函件与境外许可
- 4、签证费
- 5、住宿费
- 6、医疗保险

备注：往返机票及用餐自理

**课程详情：**

- 培训时间为一学期（约四个月）
- 限修三门课程
- 课程选择范围：可在项目课程列表中选择，也可根据专业情况选择其他校内课程；但总修科目不得超过三门
- 学期结束参加考试，成绩通过者获得 EUC 基金会和明尼苏达大学项目组联合颁发的培训证书

**课程列表：**

项目课程列表	校内其他课程
ENGLISH LANGUAGE AND COMMUNICATION	学员可提出专业意向，项目组根据该学期校内课程情况予以插班安排 请参考附件
THE FARM AND BUSINESS MANAGEMENT	
PRECISION AGRICULTURE	
ARTIFICIAL INSEMINATION	

**申请条件：**农林院校在职教师，英语口语良好（需通过面试）

**办理流程：**报名→面试→递交申请材料/交费→办理签证→出国→按期回国

**时间要求：**学员应提前三个月办理手续

附件 1：项目课程介绍（英文）

附件 2：校内其他课程介绍（英文）

## **ATTACHMENT - 1 :**

### **PROGRAM COURSES**

ENGLISH LANGUAGE AND COMMUNICATION: This course is limited to 25 students. Enrollment is on a first come, first served basis. All participants in this course are MAST students so there are a wide variety of English levels. Grading will be based on individual improvements. Participants with good English skills will need to show improvement and participate in all lessons and activities. The course focuses on grammar but uses cultural tools and has a three-part section on communication, including an assignment on resumes.

ARTIFICIAL INSEMINATION: This course offers techniques of artificial insemination. The class is mainly a theoretical approach which focuses on topics such as: anatomy of the cow, heat detection, physiology of the estrus cycle, semen tanks and semen handling, genetics and sire selection. Hands-on cow practice will be offered on a limited basis according to availability. Other hands-on techniques may include: semen handling and thawing and repro tract practice. This course takes place at the GENEX/CRI headquarters. Course tuition is covered by the study fee but hotel, transportation and other miscellaneous costs are the students' responsibility. Limited to THREE MAST students. Large animal experience required.

#### The FARM and BUSINESS MANAGEMENT

This course is open to all students in both horticulture and agriculture. The course is designed to meet the interests of both groups. See course description for more information.

#### PRECISION AGRICULTURE

See class schedule for details.

**ATTACHMENT - 2 :**

**PROGRAM STUDY COURSES  
at the UNIVERSITY OF MINNESOTA**

<b>MAJOR</b>	<b>COURSES</b>
<b>Ag,Food and Environmental Education</b>	<ul style="list-style-type: none"> <li>- Current Technical Competencies</li> <li>- People Skills for Leadership</li> <li>- Technical Drawing and Production Technologies</li> <li>- World Development Problems</li> </ul>
<b>AGRONOMY and PLANT GENETICS</b>	<ul style="list-style-type: none"> <li>-Horse in Your Backyard</li> <li>-Biology of Plant Food Systems</li> <li>-Crops,Environment and Society</li> <li>-World Food Problems</li> <li>-Management Strategies for Crops Production</li> <li>-Issues in Sustainable Agriculture</li> <li>- Ecology of Agriculture Systems</li> </ul>
<b>ANIMAL SCIENCE</b>	<ul style="list-style-type: none"> <li>-Horse in Your Backyard</li> <li>-Animals and Society</li> <li>-Food Animal Products for Consumers</li> <li>-Horse Management</li> <li>-Animals Nutrition</li> <li>-Animal Breeding</li> <li>-Human and Animal Physiology</li> <li>-Reproductive Biology in Health and Disease</li> <li>-Swine Nutrition</li> <li>-Applied Dairy Nutrition</li> <li>-Beef Production and Systems Management</li> </ul>
<b>APPLIED ECONOMICS</b>	<ul style="list-style-type: none"> <li>-Principles of Microeconomics</li> <li>-Applied MicroEcon:Consumers,Producers,Markets</li> <li>-Applied MicroEcon:Managerial Economics</li> <li>-Ag and Economic Growth in Developing Countries</li> <li>-Commodity Marketing</li> <li>-Agribusiness Finance</li> <li>-World Food Problems</li> <li>-Food Marketing Economics</li> <li>-U.S.Agriculture and Environmental Policy</li> <li>-Global Trade and Policy</li> </ul>
<b>BIOPRODUCTS AND BIOSYSTEMS ENGINEERING</b>	<ul style="list-style-type: none"> <li>-Renewable Energy and the Environment</li> <li>-Ecological Engineering Principles</li> <li>-Marketing of Bio-based Products</li> <li>-Chemistry of Plant Materials</li> </ul>

	-Watershed Engineering
<b>ENTOMOLAGY</b>	-Insect Biology -Veterinary Entomology -Insects,Aquatic Habitats,and Pollution -Forest and Shade Tree Entomology -Insect Ecology -Ecological Risk Assessment
<b>ENVIRONMENTAL SCIENCES</b>	-Issues in the Environment -The Atmosphere -Consercation of Plant Biodiversity -Natural Resources in Sustainable International Devt -Atomspheric Composition:From Smog ro Climate Change -Soil and Environmental Biology -Contaminant Hydrology -Soils and Pollution -Wentland Soils
<b>FOOD SCIENCE AND NUTRITION</b>	-Food:Safety,Risks,and Technology -Life Cycle Nutrition -Food Chemistry and Functional Foods -Food Analysis
<b>FOREST RESOURCES</b>	-Denrology:Identifying Forest Trees and Shrubs -Forest Ecology -Hydrology and Watershed Management -Geographical Information Systems(GIS)for Natural Resources -Landscape Ecology and Management
<b>HORTICULTURAL SCIENCE</b>	-Organic Food:How ro Grow It -Agricultural Biochemistry -Turfgrass Management -Applications of Biotechnology to Plant Improvement -Nursery Management -Horticultural Marketing -Specialty Greenhouse Crop Production -Restoration and Reclamation Ecology
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