

Why Crop Protection ?

At a time of population growth and concerns over global food security the investments made in crop production need to be protected from losses due to plant pathogens, insects and weeds. Without crop protection yields fall, food prices rise and maintaining food production levels requires more land leaving less available for recreation and wildlife conservation.

Science, research and innovation offer the only prospect to develop and apply modern crop protection techniques while observing the challenges of natural resources conservation.



The master program in crop protection is a job and research oriented interdisciplinary program. Graduate students have the opportunity to learn about the basic and applied aspects of research of a broad range of disciplines including plant pathology, nematology, entomology, virology, weed science, pesticide use, legislation and toxicology, molecular phytopathology, mycotoxin research, plant nutrition, plant breeding and plant biotechnology.

Graduated students will be able to select and combine suitable technologies to solve the problems of crop protection and increase crop production efficiency.

MSc Crop Protection - Study Program

The two year MSc program „Crop Protection“ is a newly established study program at the Department of Crop Sciences, University of Göttingen, which has long standing experience in research and training and with its specialized divisions offers extensive potential for this new study and research program.

The **curriculum is job and research oriented and follows an interdisciplinary approach of crop protection** within the larger framework of crop production systems. In addition to the advanced study courses the capability for interdisciplinary research, improvement of oral and written communication and presentation skills are focused on.

Students have to carry out a six weeks internship in areas of crop protection, i.e. in agrochemical companies, in research or consulting institutions and experience the daily work environment. Specific knowledge of the respective area of work and/or research as well as social skills like work organization, interdisciplinary team work will be acquired. The **two year MSc program** comprises of four semesters during which 120 credits (ECTS) have to be completed.

The training is achieved through lectures, seminars, laboratory classes, field courses and project work. The crop protection study program will cooperate with research institutions and the agrochemical industry at different levels

(internship, lectures and practical courses) and provide the opportunity to **focus on the topics and tools applicable and on the demand for research in national and international crop protection.**



Career Perspectives

Crop protection is one of the main components to improve crop production efficiency. In view of the growing food demand there is an increasing need for qualified employees.

The international and multidisciplinary Master program Crop Protection at the University of Göttingen provides students with broad research and analytical skills related to crop protection and offers a variety of employment areas:



- ▶ Agrochemical industry
- ▶ Agricultural services
- ▶ Agricultural Research institutions
- ▶ Universities
- ▶ International Organizations and Institutes
- ▶ Consulting companies
- ▶ Public administration and advisory boards
- ▶ Public and private research centers
- ▶ Governmental agencies
- ▶ Postgraduate research