



Masters Degree Program

Tel Aviv - Central Arava



Tel Aviv University and the Arava International Center for Agricultural Training (AICAT) are pleased to invite students to participate in a unique and innovative MSc degree in Plant Science, with an emphasis in Food Safety and Security.

The program is intended for students with BSc degrees in relevant fields (such as biology, agriculture, biotechnology) from recognized universities around the world. The program will be held over four semesters, with most of the studies physically taking place on the Arava campus. The summer semester is an intensive session given on the Tel Aviv campus. For most of the year, the students will live on farms in the Arava region where they will be able to gain relevant agriculture experience as part of their studies for the Msc degree.

Our Partners

Tel Aviv University

Tel Aviv University is Israel's largest university, attracting over 30,000 talented students and renowned faculty from around the globe. The university has a strong interdisciplinary focus and collaborates closely with leading institutions worldwide. The campus is located in Tel Aviv, which is known for its entrepreneurial atmosphere and large number of start-up companies. With the growth of high-tech industries, the Tel Aviv metropolis has become an international hotspot for business and innovation – an ideal setting for an enriching study experience.

Manna Center Program for Food Safety & Security

The International MSc Program in Plant Science is housed in the Faculty of Life Sciences and is operated by the Manna Program for Food Safety and Security at Tel Aviv University. The Program seeks to bring together researchers from diverse academic disciplines to promote innovative research, to forge ties with professionals and academics around the world, and to prepare the next generation of scientists and policymakers to guide global food security issues.

AICAT

AICAT was established in 1994, with the support of the Ministry of Foreign Affairs and the Ministry of Agriculture. The Center trains 1,000 students from academic institutes in Asia (Vietnam, Myanmar, Nepal, Indonesia, Cambodia, Thailand, Laos, East Timor) as well as Africa (Ethiopia and South Sudan).

The Center provides theoretical and practical knowledge, as well as professional skills in agriculture. Additionally, students are exposed to modern and advanced technology in the Arava farms, Israel's vegetable basin.

The MSc program meets a growing demand on the part of international students to pursue academic studies in Israel. Furthermore, the program contributes to the global need for depth and advanced academic studies in Israel specialization in both understanding the biology and practicality of growing food for the world's population, in the hopes of developing a solution for the global problem of food insecurity.

The Yair R&D Center

The program works in close cooperation with the Agricultural Research and Development Center in the Arava. The Center is a leading scientific research and development center established in 1986, with the aim of advancing sustainable methods of cultivation in the arid region, raising the quality of the produce, finding new crops and opening new markets. This unique Center combines practical research in the fields of sustainable agriculture, water management and aquaculture – providing critical knowledge to the regional farming community as well as to other countries around the world.



For more details

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Courses

Prep Course: English

Prep Course: Biochemistry

Prep Course: Genetics

Prep Course: Introduction to Plant Biology

Spring Semester

Principles of Experimental Statistics

Scientific Writing

Student Seminar

Structure and Function of Plant Roots

Photosynthesis - Theory and Practice

Practicum

Summer Semester

Introduction to Food Security

Plant Response to Abiotic Stress

Food Security & Public Health

Bioethics and Biotechnology

Fall Semester

Essentials of Fertigation

Seminar - Selected Topics in Plant Sciences

Student Seminar

Marine Biology

Practicum