



ENQUIRE

Master of Science Agriculture (M.Sc. Ag.) in Crop Physiology

[Veer Surendra Sai University of Technology.](#)


2 Years



Post Graduate



Full Time



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Master of Science Agriculture (M.Sc. Ag.) in Crop Physiology

This area of study has its roots in agriculture and the study of these living organisms is an essential component of the field. In this field, students learn about the physical, chemical, and biological functions of crops and other organisms. These functions are essential to the production and health of all types of agricultural products.

The M.S. program in plant science focuses on the metabolism and functions of plants. It also covers plant structure and its interactions with the environment. The Master's thesis is a research project that reflects the student's interests. Depending on the field of study, the course covers topics such as plant development, agronomy, and crop biotechnology. The coursework is highly specialized, allowing students to specialize in a specific area of study. The degree teaches students how plants interact with their environment. It combines applied research with basic studies to improve crop and animal health.

This field is important in the biotechnology revolution and encompasses several different areas, including developmental biology, tissue culture, and seed science.

Benefits of Master of Science Agriculture in Crop Physiology

Among the many benefits of earning a **Master of Science in Agriculture in Crop Physiology** is its emphasis on plant physiology and how light affects plant growth. This program is tailored to cater to the needs of modern farmers by providing the latest in crop breeding techniques.

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Students can also specialize in tropical or temperate crops and their postharvest physiology. Furthermore, students can specialize in water relations, soil and nutrition, weed management, agroecology, and biotechnology. It requires you to have a basic knowledge of plant physiology and molecular biology. Moreover, there are no additional requirements for taking the course. You can consult your advisor and advisory committee to determine whether it will be suitable for you.

It also equips you with the latest knowledge on crop physiology. A CSCW graduate is prepared to tackle the challenges and opportunities of the agricultural industry and the environment.

Eligibility for Master of Science Agriculture in Crop Physiology

To be eligible for a **Master of Science in Agriculture in Crop Physiological**, you must have a graduation degree in any science-related stream with a minimum aggregate of 50%. The students must complete their graduation in courses like Horticulture, Forestry, or Agriculture from a recognized university.

Relaxation of marks is given to the SC/ ST/ OBC/ PwD candidates.

Future Scope of Master of Science Agriculture in Crop Physiology

There are numerous job prospects for students with an **M.Sc. in crop physiology**. The graduates of this program may join well-known plantations and enjoy a managerial position in these organizations. Apart from the plantation industry, one may even work as a lecturer in different private institutions. The future scope of this degree is immense. There are several jobs for M.Sc. in crop physiology graduates in the agriculture sector.

The study focuses on the life processes of the plant and is relevant to many fields. In agriculture, it has its roots, as Crop physiologists examine the physical, chemical, and biological functions of living plants. The field is widely applicable to the food industry, as acrophytologist research the biochemical, physical, and biological processes of living plants. A graduate with this degree will be positioned to work in a number of different industries, including golf courses, sod farms, and government agencies.

Career Opportunities and Job Prospects of Master of Science Agriculture in Crop Physiology

For those interested in working in the agricultural field, a **Master of Science Agriculture in Crop Physiology** may be the right choice. Agronomic research is a vital part of the agronomic practice. Through applied research, scientists develop technologies that enhance productivity and minimize waste. In addition, the knowledge of these technologies enables scientists to produce a wide range of products, including fertilizers and pesticides.

Graduates with a **Master of Science Agriculture in Crop Physiology** can expect to find many job opportunities in agronomy and animal science fields. These professionals conduct research on the growth and development of crops and other agricultural plants. They also study soil composition and how this affects plant growth. They can expect to work in the agricultural, food, and environmental sectors, as well as in government and the private sector. Upon graduation, graduates can expect a starting monthly salary of INR 18,000 to 25,000. The salary structure for this degree depends on the job role, skill portfolio, and university from which one has graduated.

Course duration and fee details of Master of Science Agriculture in Crop Physiology



To become a graduate of this course, you should have a basic understanding of biology and chemistry. The duration for the completion of this course is two years, consisting of four semesters of six months each semester. The average fees for the completion of this program are between 50K to 150K INR or it may vary from college to college.

 Campus	University	 Delivery Mode
Sambalpur	Veer Surendra Sai University of Technology	
Eligibility	 Duration	 Type of Course
Bachelor Degree in Relevant Stream From Recognized University	2 Years	Post Graduate

Syllabus of Master of Science Agriculture (M.Sc. Ag.) in Crop Physiology

1st Year OR 1st & 2nd Semester Syllabus of M.Sc. Ag. in Crop Physiology

S.no	Subjects
1	Principles of Plant Physiology
2	Plant Water Relationship
3	Physiological aspects of Mineral Nutrition
4	Principles of Plant Physiology
5	Plant Metabolism
6	Genome Organization in Higher Plants

2nd Year OR 3rd & 4th Semester Syllabus of M.Sc. Ag. in Crop Physiology

S.No	Subjects
1	Seed Physiology
2	Physiological & Molecular Response of Plants to Abiotic Stresses
3	Hormonal Regulation of Plant Growth & Development
4	Physiology of Reproduction
5	Biological Nitrogen Fixation
6	Seminar



Veer Surendra Sai University of Technology Highlights

Established in	1956
University Type	State University
Recognized by	UGC , AICTE , NAAC ,
Courses	23

Top Courses

Management
Pharmacy
Science
Law

Top Institue

Amity University Jaipur
Chandigarh University
Manipal University, Jaipur
Kalinga University
SGT University

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