




ENQUIRE





Master of Science (M.Sc. Ag.) Plant Breeding & Genetics


[Bidhan Chandra Krishi Viswavidyalaya](#)


2 Years


Post Graduate

Full Time






















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SYLLABUS

NEWS & ARTICLES

REVIEWS

Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

About Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

A master's degree in genetics and plant breeding is a two-year postgraduate study in agriculture or can be said it's a study on Plant Pathology. It is open to people with a bachelor's degree in Agriculture, Biotechnology, or any other relevant area.

M.Sc Agriculture focuses on Genetics, and Plant Breeding is a relatively new and rapidly growing field of contemporary biology. The art and science of modifying plant features to create desirable qualities and, as a result, increase the quality of nutrition in human and animal products are covered in the curriculum. Aspirants will largely research technical techniques for improving varieties and genetic stocks, changing the genetic make-up of plants and developing novel breeding strategies to increase food, feed, and fibre production.

Biochemistry, Agronomy, horticulture, botany, genetics, forest and wildlife ecology, plant pathology, and statistics are all included in the programme. Plant breeding studies and applies genetics, agronomy, plant pathology statistics, entomology, and other related sciences to improve agricultural plants.

Eligibility for Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

The pupil must meet the following prerequisites to be considered for this course:


They must hold a bachelor's degree in BSc Agriculture, BSc Agriculture (Hons), BSc Biotechnology, or a related subject.

They must have a minimum of 60% in their bachelor's degree from a recognised university.


The ICAR AIEEA PG is used to admit students to state and central agriculture universities. Other private colleges have their own admissions tests. LPUNEST,

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**Master of Commerce (M.Com)**


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**Master of Computer Applications (MCA)**


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**Bachelor of Physiotherapy (BPT)**


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**Master of Optometry**

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**Bachelor of Computer Applications (BCA)**

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**Mas Cor**

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SAAT, OUAT, SOETAP, and other examinations are among them.

Benefits of Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

Vegetation is a major source of human food. Therefore it's critical to undertake a study and figure out how to mass-produce them in large quantities. It's a crucial subject of research that focuses on feeding a large population.

A variety of factors can cause crop death. As a result, plant breeders may create plants that are disease and pest resistant and tolerant to specific temperature and soil conditions.

Plant breeders can make it feasible to grow in places where it would otherwise be impossible. They can expand the crop species' producing regions.

They can boost agricultural yields and can be economically cultivated with minimal resources.

Because it is such a vital instrument in increasing global food security, there is a lot of demand for this sector, and there are many career possibilities.

Future Scopes after Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

After completing their MSc in Genetics and Plant Breeding, students can pursue a PhD. They might pursue a PhD in the same subject or a related branch of agriculture. They must pass an entrance exam and a personal interview to be admitted to the PhD programme.

Some of the PhD courses available to candidates are:

PhD in Plant Breeding and Genetics: Students will get an in-depth understanding and will be required to write a thesis on this subject.

PhD Agriculture - Students learn how to generate food, fibre, and fuel in detail. Plant genetics, crop management, plant physiology, soil science and other topics are also covered.

PhD Agronomy - This doctoral degree focuses on soil and tissue analysis, physical and biological features, resource conservation, irrigation, drainage, fertiliser, water quality, and other nutrient sources.

Horticulture is a doctoral programme that focuses on producing plants, crops, fruits, and vegetables, among other things.

Career and Job Opportunities after Master of Science (M.Sc. Ag.) Plant Breeding & Genetics

The seed business, crop research directories, crop plantation facilities, plant breeding centres, nurseries, agriculture ministries, genetic engineering firms, research laboratories, biotechnology corporations, and other employers hire M.Sc in Genetics and Plant Breeding graduates.

They can be recruited as farm managers to supervise other staff and oversee the operations on the farm. In SAUs and agriculture universities, they can obtain teaching and research opportunities. They are capable of passing tests for seed testing and certification officer positions in government agencies.

Graduates can work as Plant Geneticist, Plant Breeder, Agronomist, Farm Manager, Assistant Professor, Associate Researcher, and other positions after completing the course. The average annual income after completing this degree ranges from INR 3 lakh to INR 8 lakh.

 Campus	 University	 Delivery Mode
Nadia	Bidhan Chandra Krishi Viswavidyalaya	
 Eligibility	 Duration	 Type of Course
Eligibility for this course is	2 Years	Post Graduate
Bachelors in Agriculture.		

Syllabus of Master of Science (M.Sc. Ag.) Plant Breeding &

Applications (MCA)

APPLY NOW



Bachelor of Commerce (B.Com.)

APPLY NOW



Master of Commerce (M.Com.)

APPLY NOW



Master of Computer Applications (MCA)

APPLY NOW



Bachelor of Computer Applications (BCA)

APPLY NOW



Master of Computer Applications (MCA)

APPLY NOW



Bachelor of Computer Applications (BCA)

APPLY NOW



Master of Science (M.Sc.) Biotechnology

APPLY NOW



Master of Science (M.Sc.) Chemistry

APPLY NOW



Bachelor of Physical Education (B.P.Ed)

APPLY NOW



Bachelor of Science (B.Sc.) Physical Science

APPLY NOW



Bachelor of Science (B.Sc.) Physical Science

APPLY NOW



Bachelor of Science Honours



APPLY NOW



Master of
Commerce
(M.Com)

APPLY NOW



Master of
Computer
Applications
(MCA)

APPLY NOW



Bachelor of
Education (B.Ed)

APPLY NOW



Bachelor of
Elementary
Education
(B.El.Ed)

APPLY NOW



Master of
Commerce
(M.Com)

APPLY NOW



Bachelor of
Computer
Applications
(BCA)

APPLY NOW



Seacom Skills
University,
Birbhum ...



The Neotia
University, South
24 Parganas ...



University of
Engineering and
Management,
Kolkata, Kolkata...



ST Xavier's
University,
Kolkata...



Indian Maritime
University,
Kolkata...



Techno India
University,
Kolkata...



Visva Bharati
University,
Birbhum ...



Ramakrishna
Mission
Vivekananda



1st Year OR 1st & 2nd Semester Syllabus of M.Sc in Plant Breeding & Genetics

S.no	Subjects
1	Statistical Methods for Agriculture
2	General Genetics
3	Principles and Methods of Plant Breeding
4	Techniques in Cell Biology
5	Cytology
6	Molecular Genetics
7	Plant Breeding
8	Computers and Bioinformatics

2nd Year OR 3rd & 4th Semester Syllabus of M.Sc in Plant Breeding & Genetics

S.No	Subjects
1	Topics in Plant Breeding
2	Population and Biometrical Genetics
3	Plant Biotechnology
4	Genetic Engineering
5	Developmental Genetics
6	Biosystematics
7	Molecular Basis of Quantitative Inheritance

Bidhan Chandra Krishi Viswavidyalaya Highlights

Established in	1974
University Type	State University
Recognized by	UGC , AICTE , ASCI ,
Courses	13