

Admission Open for 2024-25

School of Agriculture & Allied Sciences

# M. Sc. Agriculture



**Agronomy**



**Soil Science**



**Horticulture**



**Genetics and Plant Breeding**

Duration: 2 years (4 semesters)



## Industry Partners for Internship & Placement



## Eligibility Criteria

B.Sc. (Hons.) Agriculture / Horticulture (4 years) pass from any recognized university with 60% aggregate marks.

## About the course

M. Sc. Agriculture is a 2 years' Post Graduate programme. Subjects offered include Agronomy, Soil Science & Agricultural Chemistry, Horticulture and Genetics & Plant Breeding. This 2 years' duration includes 4 semesters, with each semester lasting for a period of 6 months. Each student has to submit a Thesis/ Dissertation based on the research carried out under the guidance of a faculty (Guide).

Course curriculum for Masters' Programme (Credit Hours)	
<b>(i) Course work</b>	<b>40</b>
Major courses	20
Minor courses	8
Supporting courses	6
Common courses	5
Seminar	1
<b>(ii) Research</b>	<b>30</b>
<b>Total Credit</b>	<b>70</b>

## Why Neotia University

- Following ICAR prescribed syllabus with course curriculum.
- Highly qualified, professional and experienced faculty members.
- Smart classrooms having interactive panel.
- Well-equipped laboratories (having atomic absorption spectrophotometer, UV-visible spectrophotometer, flame photometer, portable photosynthesis analyser, chlorophyll meter, fluorescent microscope etc.)
- Research farm with good irrigation facilities.
- Nursery, high density orchards, well equipped field laboratories
- Good field facility having six different land shaping demonstration models.
- Tractor, power-tiller, tillage equipment, drip & sprinkler irrigation, fogger, etc.
- Separate hostel accommodation for boys and girls.

- Greenhouse, polyhouse, vermicompost unit, azolla unit, etc.
- Meteorological observatory with modern facilities and library including e-books and e-journals.
- Placement unit, coaching facility & overseas opportunities.

## Career Prospect & Job Opportunity:

After completion of M.Sc. Agriculture, students can pursue PhD.

Master's Programme	Job Opportunity
<b>Agronomy</b>	Agronomist, Agriculture Officer, Assistant Professor, Research Scientist, Subject Matter Specialist, Farm Manager, etc.
<b>Soil Science</b>	Soil scientist, Agricultural Chemist, Assistant Professor, Agriculture Officer, Research Scientist, Plant Nutritionist, Subject Matter Specialist, etc.
<b>Horticulture</b>	Horticulturist, Assistant Professor, Research Scientist, Subject Matter Specialist, Plantation Manager, Food Safety Officer, etc.
<b>Genetics &amp; Plant Breeding</b>	Geneticist, Biotechnologist, Scientist, Plant Breeder, Seed Technologist, R&D Officer, Assistant Professor, Tissue Culturist, Crop Trialist etc.

## Fees Structure (Rs.)

Fee Per Semester	One Time Fee	1st Semester Fee	Total Course Fee
<b>M. Sc. Agriculture Agronomy/Soil Science/Horticulture/ Genetics and Plant Breeding (2 years)</b>			
45,000	29,000	74,000	2,09,000

## Department of Agronomy

Department of Agronomy is one of the largest departments under School of Agriculture and Allied Sciences of The Neotia University. The department is running both M.Sc. (Ag) and Ph.D. in Agronomy since 2022. The teachers of the department are working hard to improve the livelihood of farming communities by conducting research and extension programmes. The department has very well-equipped laboratories including field laboratory and well developed instructional farm. These are well supported by experienced faculties, technical and field staffs for conducting the practical classes as well as research.

## Agronomy Faculty Profile



**Dr. Tanuj Kumar Mandal**  
Assistant Professor and Head



**Dr. Arindam Kundu**  
Assistant Professor



**Ms. Shobhanika Barik**  
Assistant Professor



**Dr. Urjashi Bhattacharya**  
Assistant Professor



**Dr. Mousumi Mondal**  
Assistant Professor



**Dr. Pijush Das**  
Assistant Professor



**Dr. Anand Salve**  
Assistant Professor



**Dr. Bishal Mukherjee**  
Assistant Professor



**Dr. Saumi Goswami**  
Assistant Professor

## Soil Science Faculty Profile



**Dr. Susinjan Bhattacharya**  
Associate Professor



**Dr. Sourav Mullick**  
Assistant Professor



**Dr. Monisankar Bera**  
Assistant Professor



**Dr. Madhurima Banik**  
Assistant Professor and Head



**Dr. Trisha Manna**  
Assistant Professor



## Department of Soil Science

M.Sc. Ag. in Soil Science and Agricultural Chemistry is a postgraduate degree focused on the study of soil properties, processes, and its relationship with plant growth and agricultural productivity. This course equips students with the knowledge and skills to address complex issues related to soil health and agricultural productivity. With a combination of theoretical knowledge, practical training, and research experience, students are well-prepared for careers that contribute to sustainable agricultural practices and environmental conservation. The department has very well-equipped Soil Science laboratory, Biocontrol laboratory, Central Instrumental laboratory including well developed instructional farm. Experienced faculty members provide robust support for the practical classes and research, ensuring high-quality outcomes.

## Department of Genetics & Plant Breeding

This branch is the most advanced and contemporary branch of agriculture with vast contribution towards crop improvement. The ICAR approved curriculum will help the aspirants to develop improved varieties and planting material, development of novel breeding strategies ensuring climate resilience, nutritional security for future. The department has plant breeding lab, seed unit, molecular biology lab with tissue culture facility and sufficient field for conducting efficient practical classes and research. The highly experienced, research centric faculty members, NAAS rated quality publications, training for ICAR NET examination and counselling for overseas research collaboration are added dimensions of the department.

## Department of Horticulture

The department of horticulture has already introduced different types of new vegetable, fruits and other horticultural crops varieties, species as well as germplasms and continuous research work is going on for better adaptation in salt affected coastal regions where the university is located. More specifically makhana and water chestnut was introduced for submerged condition cultivation. The department also adopts different land shaping horticultural crop production models (like Heap Method, Jumbo Bag Method, Ridge and Furrow method of planting) for submerged area cultivation. The department established high density orchard for

## Dean's Message

**Prof. (Dr.) Sushil Kumar Kothari**

Dean, School of Agriculture and Allied Science (SAAS), The Neotia University (TNU).



Agriculture is the cornerstone of our society, supporting not only our nutritional needs but also our economic and environmental well-being. Our new PG programs are designed to equip students with the knowledge, skills, and critical thinking required to address the complex challenges facing modern agriculture. Whether you are focusing on sustainable farming practices, agribusiness, biotechnology, or food security, our curriculum is tailored to provide a comprehensive and cutting-edge education. We have all requisite lab, field facilities & highly experienced faculty members, that will enable students to carry out their master dissertation work. I wish for the grand success of these new programs in our school.

fruit crops and multi-tier cropping system for different plantation, fruit and vegetable crops and deals with research on precision farming via cultivating and maintaining different high value flower, vegetable, flowering and ornamental crops under green house and shade net house condition. Medicinal and aromatic plants are cultivated for extracting of essential oils. Besides, imparting education to B.Sc. (Hons.) Agriculture students, the faculty members of this department are also engaged in inter departmental research projects and already published more than 15 numbers of research papers in high rated nation and international journals.



## Genetics & Plant Breeding Faculty profile >>>



**Prof. Bharat Chandra Saha**  
Professor



**Dr. Bidisha Mondal**  
Associate Professor and Head



**Dr. Sarita Pandey**  
Assistant Professor



**Dr. Sruba Saha**  
Assistant Professor



**Dr. Sudeshna Panja**  
Assistant Professor

## Horticulture Faculty Profile >>>



**Dr. Sarthak Bhattacharya**  
Assistant Professor and Head



**Dr. Boris Huirem**  
Assistant Professor



**Dr. Riman Saha Chowdhury**  
Assistant Professor



**Dr. Shuvadeep Halder**  
Assistant Professor



## Scholarships & Financial Aid

At TNU, we offer numerous merit-based as well as need-based scholarships (**25% to 100% on Tuition Fees**) to ensure that no student is left behind. There is no limit to the number of scholarships granted by the University and if a student is eligible as per the given criteria then he or she will get the **“Guaranteed Scholarship”**.

- **CHANCELLOR SCHOLARSHIP**
- **SPORTS SCHOLARSHIP**
- **CULTURAL SCHOLARSHIP**
- **SARVODAYA SCHOLARSHIP**  
(in the memory of Late Suresh Kumar Neotia) (Family Income < 2.5 Lakhs / annum)
- **MERE APNE SCHOLARSHIP**  
(For AmbujaNeotia Group employees in the memory of Late Vinod Kumar Neotia)
- **SAHODARYA SCHOLARSHIP**  
(Siblings of all TNU students - present or passed out)
- **GRAMOTTHAN SCHOLARSHIP**  
(Students from Gram Panchayat area of South 24 Parganas)
- **SPECIAL HILL STUDENTS SCHOLARSHIP**  
(Resident of GTA Area (W.B), North-East States, Andaman and Nicobar Islands, Nepal & Bhutan)

West Bengal Govt. Student Credit Card is accepted at TNU

## Lab, Fields & Experimental Equipment



**AmbujaNeotia**

**THE NEOTIA UNIVERSITY**

ज्ञानम् आत्म प्रदीपाय

Approved Under Sec.2(f) of UGC Act 1956

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