

Based on
ICAR Course Curriculum

Bachelor of
Fisheries Science (B.F.Sc.)
The Neotia University



In association with

- ICAR-CIFA, Bhubaneswar
- Sylhet Agricultural University, Bangladesh
- ICAR-CIFRI Barrackpore, W.B.
- ICAR-CIBA, Chennai

Industry Partners for Internship & Placement





Bachelor of Fisheries Science (B.F.Sc.)

Eligibility Criteria

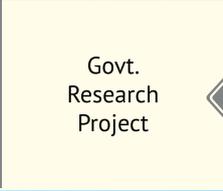
12th standard pass with Physics, Chemistry & Biology / Maths / Vocational subjects with minimum 55% marks.

About the Program

The B.F.Sc. (Bachelor of Fisheries Science) program offers a comprehensive exploration of aquatic life and fisheries management, blending theory with hands-on experience. Students study aquaculture, fish biology, fishery renouncement, marine ecology, harvest and post-harvest technology including seafood processing, gaining insights into sustainable practices and habitat conservation.

Practical skills cover fish farming, ornamental fish production, water quality management, fisheries research, preparing graduates for careers in diverse fisheries and aquaculture management roles.

Career Opportunities

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|---|---|---|--|---|-------------------------------------|
|  | Fisheries Officer / Assistant Director of Fisheries |  | Aquaculture Managers |  | Fisheries Entrepreneurs |
|  | Fish Feed Technologists |  | Quality Control Specialists |  | Marine Biologist / Conservationists |
|  | Production Managers |  | Fish Health Specialists / Fisheries Biologists |  | Environmental Consultants |
|  | ICAR Indian Council of Agricultural Research |  | Govt. Research Project |  | Ornamental Fish Trade |

Career Pathways after B.F.Sc

B.F.Sc (Bachelor of Fisheries Science)
Leads To

Government Jobs

ICAR | Fisheries Survey of India (FSI) | State Fisheries Dept. | Fisheries Officer / Assistant Director of Fisheries

Industry Jobs

Aquaculture Manager | Marine Biologist | Quality Control Specialists | Seafood Processing | Fish Feed Companies | R&D Labs

Higher Education (M.F.Sc, PhD, Abroad Studies)

Research | Academics | International Scholarships | Govt. Research Project

Entrepreneurship

Fisheries Entrepreneurs | Fish Feed Technologists | Fish Hatchery | Ornamental Fish Trade | Aquaculture Start-ups



State-of-the-Art Facilities at TNU

Eco-Carp Hatchery:

It offers hands-on training in sustainable fish seed production of carps and other fishes using eco-friendly and modern aquaculture technologies.



Duck cum fish culture unit:

The Duck-cum-Fish Culture Unit is an eco-friendly system where ducks and fish are reared together, maximizing resource use and productivity. It offers students valuable hands-on experience in integrated farming and sustainable aquaculture practices.



Fisheries Wetlab:

The Fisheries Wetlab offers hands-on experience with live aquatic species, modern instruments, and real-time experiments. Students gain practical knowledge in fish biology, water quality, and aquaculture techniques-making learning exciting and career-focused.



Cage culture system:

Cage culture system provides students with practical exposure to modern fish farming in open waters, promoting sustainable aquaculture practices. It helps them develop real-world skills and innovations for a successful career in the fisheries sector.

Swimming Pool:

It serves as a practical training hub where fisheries students experience real-life aquatic environments safely within the campus as mandated in the curriculum



Ornamental Fish Unit:

It offers hands-on training in breeding and rearing of ornamental fishes, aquarium management of exotic and indigenous fish species, blending art with science. Students gain practical skills in entrepreneurship and aquaculture technology.



Stereo Zoom Microscope:

It provides a three-dimensional view of small aquatic organisms and specimens, useful for studying fish larvae, plankton, and tissue structures in detail..



PCR (Polymerase Chain Reaction) Machine:

It is Used to amplify tiny amounts of DNA, helping in the detection of fish diseases, genetic studies, and species identification with high accuracy.

SOCS Plus Fat Extraction System:

It is an advanced system used to accurately measure the fat content in fish and feed samples, supporting nutritional and quality analysis.



Kjeldahl Apparatus for Protein Estimation:

It is Used to determine the protein content in fish and feed samples through nitrogen analysis, essential for nutritional studies.



Career Opportunities after B.F.Sc.

15%
Entrepreneurship

20%
Higher Education

35%
Government jobs & Research

30%
Industry jobs

Chair Professor

Prof. (Dr.) H. Shivananda Murthy
Dean & Chair Professor –
Faculty of Fisheries Science



Prof.(Dr.) H S Murthy has served as Dean of College of Fisheries, Mangalore, the first Fisheries College in South East Asia and extensively worked in Education, Research & Development/ Extension in different capacities. He has guided 44 research scholars as Research Guide. He has published over 280 publications and 18 major research projects as Principal Investigator funded by different international and national funding agencies. He has visited UK, USA, Spain, Denmark, Netherlands, Norway, Singapore, Malaysia, Hongkong, SriLanka, Dubai and other countries. He is the Recipient of several prestigious national/international awards for outstanding contributions in 'aquaculture & fisheries'. Served as Member of the Planning Commission Technical Committee, Karnataka Biodiversity Board, Pollution Control Board, Agricultural Scientists Recruitment Board, New Delhi, and as Academic Council Member of various Universities and other organizations.

Partnerships and Collaborations:

The Division of Fisheries Science has forged prestigious Memorandums of Understanding (MoUs) with academia and industry organizations. Notably, our recent international MoU with Sylhet Agriculture University, Bangladesh, alongside collaborations with ICAR-CIFA, Bhubaneswar; ICAR-CIFRI Barrackpore; ICAR-CIBA, Chennai and various Corporate Industries such as NDM Seafood Pvt. Ltd, West Bengal; Krishna Agritech, Kolkata, and Aqua Doctor Solution, Kolkata, opens avenues for research opportunities, faculty exchange programs, and internship placements, enriching students' industry experience and networks.



Success Story of the Students



Sayan Biswas (Batch 2019-2023)

He has been selected as a Fishery Extension Officer in the Government of West Bengal through the West Bengal Public Service Commission (WBPS).



Subhadip Bar (Batch 2021-2025)

A proud recipient of the prestigious National Talent Scholarship awarded by the Indian Council of Agricultural Research (ICAR), has secured admission to the Department of Fisheries Resource Management at Rani Lakshmi Bai Central Agricultural University (RLBCAU), a testament to his excellence and the promising future that awaits talented students in the field of Fisheries.



Rakesh Sasmal (Batch 2021-2025)

He has got admission to Masters program in 'Natural Resources Management and Development' at the prestigious German University: University of Applied Sciences, Cologne.



Shouvik Sarkar (Batch 2019-2023)

Our talented student Shouvik Sarkar has secured admission to the prestigious Indian Institute of Management (IIM) Amritsar, a true testament to the quality education and opportunities our institute provides.

AmbujaNeotia

THE NEOTIA UNIVERSITY

जानम् आत्म प्रदीपाय

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

Campus: Sarisha, Diamond Harbour Road, 24 Parganas (S), West Bengal - 743 368

City Admission Office / Head Office: Vishwakarma, 86C Topsia Road (S), Kolkata - 700 046

For Admission related details, call:

Head Office: +91 70444 46999 / 7605080910 | **Campus:** +91 70444 46888 / 8328772284

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