

FISHERY SCIENCE

Introduction

1. Fisheries, as the name suggests is an organized effort which is related to the capturing of fish including inland and sea or other aquatic species.
2. This industry involves catching, processing, marketing and conservation of fish.
3. Fisheries Science is an academic discipline of managing and understanding fisheries.
4. This is a multidisciplinary subject that includes the biological study of life, habits and breeding of various species of fish.
5. It also involves farming and husbandry of important fishes and aquatic organisms in fresh water, brackish water and any marine environment.

- Fisheries aims at developing and maintaining sea wealth.
- Fisheries are estimated to provide 16% of the world population's protein and India holds the seventh position in the world as regards to the value of fish exports.
- Around 8 million people of India are directly or indirectly dependent on the fisheries sector.
- The rapidly developing fishery industry, provides employment not only to the traditional fishermen, but also to the highly skilled personnel engaged in the scientific breeding and management of fisheries.
- The scope in the field of fishery science is increasing with the development of brackish water and freshwater aquaculture.

- Because of the country's expansive natural resources, dynamic entrepreneurial skills, this profession is advantageous to the Indian economy also.
- A career in fisheries science can create an aqua culturist, farm managers, exporters, traders, breeders and modern fishermen's, etc.
- The main objective of fisheries science is to make available the much needed technically competent extension personnel for transfer of technology.
- It helps a person to assist the research and development; to develop and execute fisheries development plan.

Eligibility criteria

- **Course** : B.F.Sc
- **Eligibility** :10+2 with biological science as one of the subjects.
- The B.F.Sc course enables a candidate with basic knowledge in all the three categories of fisheries science i.e.
- Capture,
- Culture
- Post Harvest Technology.

Admission

For admission to various
Central Institute of Fisheries Education in the country,
The candidates has to appear for an
All [India](#) level Common Entrance Test
conducted by
ICAR (Indian Council of Agricultural Research),
New Delhi

After completing B.F. Sc.,

One can take

M.F.Sc. (Masters of Fisheries Science) which is of
2 year duration.

After getting a professional degree in Fisheries
Science,

One can go into research- oriented activities.

Course Areas

B.F. Sc. students are trained in a wide variety of subjects such as

1. Aquaculture (Inland And Freshwater),
2. Mariculture,
3. Industrial Fisheries,
4. Fish Processing And Post Harvest Technology,
5. Fish Nutrition,
6. Pathology,
7. Environment,
8. Ecology And Extension Etc.

1. Sustainable Fish Production Practices And
2. Scientific Breeding
3. Management Of Fishes

are major areas of specialization.

Practical Experience

The course also contains practical experience like on sea cruise on fishing vessels for :-

1. [Data Collection](#) & Fishing,
2. In Processing Plants,
3. On Aqua Farms.

Apart from the B.F.Sc & M.F.Sc.

Various fisheries institutes several vocational training courses related to fisheries and allied disciplines.

Personal Skills

Those who have taken fishery science as a career must possess

1. A genuine interest in marine life
2. Should be free from sea sickness.
3. The field requires a lot of research work and one should have research oriented mentality.
4. Dedication to work, devotion,
5. Hard working, patients,
6. A curious, inquisitive mind are essential.
7. Quick thinking and the ability to come up with new ideas are advantageous.
8. A good managerial skill is also required, as fishery science is a field which is directly or indirectly related to business.

Job Prospectus and Career Options

Fisheries graduates can find employment in

1. The public sector organizations such as the fisheries department
2. The nationalized banks.

Opportunities lie in

1. Government agencies,
2. State departments of agriculture and
3. Organisations such as the Central Marine Fisheries Research Institute (CMFRI).
4. Recruitment to these institutions is through the
5. State public service commission.

For those having good research skills, can find employment in organisations such as the

1. Central Institute of Fisheries Technology (CIFT)
2. National Fisheries Development Board
 - as
 - Research Assistant,
 - Biochemist,
 - Biologist,
 - Technicians, Etc.

Remuneration

Remunerations in this field vary widely, depending on the area of specialization chosen.

1. In the private sector one may start with an initial salary range of Rs 6,000-8,000 per month.
2. But in the government sector's, the salary range may be different but it offer stability.
3. In this field, research positions are more lucrative but these are usually reserved for doctorate holders with experience.

Institutes

Bachelor Of Fishery Science (B.F.Sc)

College of Fisheries Science, Raha, (Assam)

Faculty of Fisheries Science, Raha- 782 103, Nagaon , Assam

College of Fisheries Science, Veraval, (Gujarat)

College of Fisheries Science, Opp. Somnath College, Rajendra Bhavan Road, Veraval, Junagadh-362265

College of Fisheries, Berhampur, (Orissa)

College of Fisheries, Rangailunda, Berhampur, Ganjam-760007

College of Fisheries, Dholi, (Bihar)

College of Fisheries, Tirhut College of Agriculture (TCA) campus, Muzaffarpur – Pusa road, Doli, Muzaffarpur (Bihar)

College of Fisheries, Mangalore, (Karnataka)

College of Fisheries, Mathsyanagar, Mangalore-575 002

College of Fisheries, Panangad, (Kerala)

Panangad P.O., Ernakulam, Kochi - 682 651

College of Fisheries, Ratnagiri, (Maharashtra)

College of Fisheries, Shirgaon, Ratnagiri - 415 629

College of Fisheries, Tripura, (Manipur)

College of Fisheries, Lembucherra, Agartala, Tripura

College of Fishery Science, Muthukur, (Andhra Pradesh)

College of Fishery Science, Muthukur, Nellore District, Andhra Pradesh- 524344

College Of Fishery Sciences, Pantnagar, (Uttarakhand)

College Of Fishery Sciences, G.B. Pant University Of Agriculture & Technology, Pantnagar, Udhamsingh Nagar, Uttarakhand State - 263145

Fisheries College and Research Institute, Thoothukkudi, (Tamil Nadu)

Fisheries College and Research Institute, Thoothukudi - 628 008

West Bengal University Of Animal And Fishery Sciences, Kolkata, (West Bengal)

West Bengal University Of Animal And Fishery Sciences, 68, K.B.Sarani, Belgachia, Kolkata-700037

Institutes - Master Of Fishery Science (M.F.Sc)

Central Institute Of Fisheries Education, Mumbai, (Maharashtra)

Central Institute Of Fisheries Education, (Indian Council of Agricultural Research), Seven Bungalows, J.P. Road, Versova, Mumbai 400061

Central Marine Fisheries Research Institute, Kochi, (Kerala)

Central Marine Fisheries Research Institute, Post Box No. 1603, Ernakulam North P.O., Kochi-682 018

College of Fisheries, Berhampur, (Orissa)

College of Fisheries, Rangailunda, Berhampur, Ganjam-760007

College of Fisheries, Mangalore, (Karnataka)

College of Fisheries, Mathsyaganagar, Mangalore-575 002

College of Fisheries, Panangad, (Kerala)

Panangad P.O., Ernakulam, Kochi - 682 651

College of Fisheries, Ratnagiri, (Maharashtra)

College of Fisheries, Shirgaon, Ratnagiri - 415 629

College Of Fishery Sciences, Pantnagar, (Uttarakhand)

College Of Fishery Sciences, G.B. Pant University Of Agriculture & Technology, Pantnagar, Udham Singh Nagar, Uttarakhand State - 263145

Fisheries College and Research Institute, Thoothukkudi, (Tamil Nadu)

Fisheries College and Research Institute, Thoothukkudi - 628 008

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Faculty of Fisheries, Ganderbal, (Jammu & Kashmir)

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Faculty of Fisheries, Rangil (Nagabal), Ganderbal, Shalimar Campus, Srinagar -191121

West Bengal University Of Animal And Fishery Sciences, Kolkata, (West Bengal)

West Bengal University Of Animal And Fishery Sciences, 68, K.B.Sarani, Belgachia, Kolkata-700037

School of Industrial Fisheries, Kochi, (Kerala)

School of Industrial Fisheries, Fine Arts Avenue, Kochi-682 016

Useful Contacts

- **Indian Council of Agricultural Research (ICAR), New Delhi**
Address : Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi-110 001
Website : www.icar.org.in
- **Central Institute of Fisheries Education (CIFE), Mumbai**
Address : Fisheries University Road, Seven Bungalows, Andheri (W), Mumbai - 400061
Branches : Kolkata, Lucknow, Haryana and Kakinada
Phone : +91 22 2636 1446 / 7 / 8
Fax : +91 22 2636 1573
Email : Contact Now
website : www.cife.edu.in