

# Food Science and Technology



## Introduction

Food scientists study the microbiological, physical and chemical properties of food and ingredients to make sure they are safe for consumers. Responsibilities of the job include:

- Evaluating the nutritional value, colour, flavour and texture of food
- Testing food samples for particular types of moulds, yeast and bacteria that may be harmful
- Ensuring that food manufacturing processes conform with government, processing, consumer and industry standards
- Exploring alternative manufacturing methods
- Producing new food products
- Working closely with other food production staff including microbiologists, engineers, packaging specialists and buyers
- Establishing low-cost wholesale food production methods
- Investigating and setting standards for safety and quality.

## Skill Set

- Strong teamworking skills.
- Good communication skills
- Being a confident independent worker
- Good business, IT, analytical and numerical abilities
- Knowledge of a range of sciences and their applications to food
- Meticulous attention to detail, particularly with regard to health, safety and hygiene

## Eligibility

10+2 education completed in the Science stream, from a recognized educational Board

## Top Colleges

### ➤ Indian Council of Agricultural Research (ICAR)- AIEEA

All India Entrance Examination for Admission (AIEEA)-UG shall be conducted for admission to Bachelor Degree programmes in Agriculture and allied sciences (other than veterinary sciences), at Agricultural Universities on 15% of the University seats (100% seats in RLB CAU Jhansi, NDRI Karnal and Dr. RP CAU Pusa, Bihar)

### Eligibility:

10+2 examination or equivalent/Inter (Agriculture) with PCM/ PCB/ PCMB/ PCA/ PCH subject combinations with 50% marks in aggregate

### Question Paper for AIEEA-UG:

There will be only one question paper consisting of 180 multiple-choice objective type questions-

- Physics, Chemistry and Biology (or Agriculture) for "STREAM- A"
- Physics, Chemistry and Mathematics for "STREAM-B".
- The question paper will be in ENGLISH and HINDI.
- For each incorrect answer, one mark will be deducted from the total score.

➤ **Delhi University, New Delhi**

**Course:**

- B.Sc (Hons.) Food Technology
- B.Sc (Hons.) Home Science

**Eligibility:** Class XII or equivalent with Science stream (PCM/PCB)

**Admission Mode:** Marks Based

**Some Colleges Under Delhi University**

- Bhaskaracharya College of Applied Sciences
- Institute of Home Economics (W)
- Lady Irwin College (W)
- Shaheed Rajguru College of Applied Sciences for Women (W)

➤ **Panjab University Affiliated Colleges, Chandigarh**

**Course:** B.Voc in Food Science and Technology

**Eligibility:** 12<sup>th</sup> with Science Stream

**Admission Mode:** Marks

**Colleges under PU**

- DAV College Sector-10
- Goswami Ganesh Dutta S.D. College, Sector-32

➤ **Punjab Agriculture University, Ludhiana**

**Course:** B.Tech. (Food Technology)

**Eligibility:** 10+2 or equivalent with Physics, Chemistry and Mathematics/Biology/ Agriculture with at least 50% marks in aggregate/ Certificate course in Food Processing and Preservation from SLIET, Longowal

**Admission Mode** Entrance Test CET

➤ **Amity University, Noida**

**Course:**

- B.Sc. (Hons.) Home Science
- B.Tech (Food Technology)

**Eligibility:** 10+2 (min 60%) with PCM/PCB

**Admission Mode:**

- English Language Test
- Subject Based Written Test

➤ **Mumbai University, Mumbai**

**Course:** B.Sc in Home Science

**Eligibility:** 12<sup>th</sup> pass out

**Admission Mode:** Marks Based

## Job Prospects

- Quality manager.
- Technical brewer.
- Food technologist.
- Nutritional therapist.
- Regulatory affairs officer.
- Scientific laboratory technician.
- Product/process development scientist.

**Disclaimer:** The information provided here is best to our knowledge. It is highly recommended that you should cross-check the source of information through the specific Colleges and Institutes. WonderSkool (WS Education Pvt Ltd) is in no way responsible for the decisions made solely on the basis of this document.