

M.Sc. Food Technology and its allied subjects are among the suitable higher study options for the meritorious chemistry graduates interested in food technology.

Food technology is the application of food science in manufacturing food products. Processes in the food industry involve the practical application of the principles of several disciplines of science for the manufacture or production, preservation, processing, handling and packaging of food materials.

The key person in any food processing industry is the food technologist who controls and supervises the production of processed foods. There are plenty of job opportunities in this field.

It also offers different specialisation such as fruit and vegetable processing, cereal technology, oil seeds technology, food chemistry, food microbiology, post - harvest technology, animal products technology and developing of food processing machinery.

Master's in Food Science/Technology are open to meritorious B.Sc. holders in Chemistry, Agriculture, Food Technology, Home Science, etc.

M.Sc. Food Technology

The Central Food Technological Research Institute (CFTRI), Mysore is a prominent institution under the Central Government that offers a two-year M.Sc. (Food Technology) degree course. This institute is affiliated to the University of Mysore. Entry qualification is Bachelor's degree in Science with chemistry/biochemistry as one of the subjects or agriculture/ engineering/technology. The candidate should have studied mathematics as one of the subjects at the Plus Two/equivalent or degree level. Applicants should have obtained 55 per cent marks in optional subjects in the B.Sc. degree. SC / ST students require only 50 per cent marks. B.Sc. (Hons.) degree holders with 50 per cent marks (SC / ST 45 per cent marks) are also eligible. Agricultural/engineering /technology graduates should have minimum second class for admission.

Selection is based on all-India level entrance/aptitude test and interview. More details can be collected from the website www.cftri.com

Mar Athanasios College for Advanced Studies, Tiruvalla, affiliated to Mahatma Gandhi University, offers M.Sc. Food Science and Technology course. Entry qualification is a degree with 55 per cent aggregate marks in chemistry, biochemistry, food science and technology, dairy technology, polymer chemistry, home science (with auxiliary chemistry), zoology, microbiology or B.Tech. Agricultural Engineering and B.Tech. Food Technology.

For more details visit www.macfast.org (Ph: 0469 - 2733534, 2603332)

BCM College, Kottayam (Ph: 0481 - 2562171, 2560307) (www.bcmcollege.org) , affiliated to M.G. University. conducts M.Sc. Food Science and Quality Control course.

St. Teresa's College, Ernakulam (Ph: 0484 - 2351870) (www.teresas.ac.in) conducts an M.Sc. Food and Nutrition course.

Assumption College, Changanacherry (Ph: 0481 - 2420109) (www.assumptioncollege.info) conducts M.Sc. Food Service Management and Dietetics and M.Sc. Food Service Management courses.

St .Thomas College, Ranni (Ph: 04735 - 226238) conducts M.Sc. Food and Nutrition course.

St. Mary's College for Women, Paliakara, Tiruvalla (Ph: 0469 - 2606560) will conduct an M.Sc. course in Food Science and Quality Control subject to M.G. University affiliation.

The School of Health Sciences, University of Calicut, offers M.Sc. Food Science and Technology.

Under the University of Kerala, the Government College for Women, Vazhuthacaud, Thiruvananthapuram, conducts an M.Sc. Food and Nutrition course.

The following universities/ institutes offer M.Sc. in Food Technology/ Science/allied subjects.

Annamalai University - Marine Food Technology; eligibility: A pass in B.Sc. degree examinations with botany, zoology, aquaculture, biochemistry, biotechnology, microbiology, fishery science, agriculture as main subjects with not less than 55 per cent marks in Part III.

Periyar University, Salem - 636 011(www.periyaruniversity.ac.in) - M.Sc., M.Phil. in Food Science and Nutrition.

The Gandhigram Rural Institute (Deemed University), Dindigul, Tamil Nadu (www.ruraluniv.ac.in) - M.Sc. Food Science and Nutrition.

Allahabad Agricultural Institute (Deemed University), (www.aaidu.org) - M.Sc. Food Nutrition and Dietetics.

The Institute of Food Technology, Bundelkhand University, Jhansi - 284128 (www.bundelkhanduniversity.org) - M.Sc. Food Science and Technology.

Sri Padmavati Mahila Vishva Vidyalaya, Tirupati - 517 502 - M.Sc. Food Science and Nutrition.

Haryana Agricultural University, Hissar - M.Sc. Food Technology.

Acharya N.G Raga Agricultural University - Hyderabad (Home Science College, Hyderabad - 500 004)

Women's Christian College, Nungambakkam, Chennai - 600 006.

G B Pant University of Agriculture and Technology, Pantnagar - 263 145.

Department of Food Technology, Jadavpur University, Kolkata - 700 032.

Department of Food Science and Technology, Gurunanak University Amritsar - 143 005.

University Institute of Chemical Technology, Matunga, Mumbai - 400 019

Ph.D. facilities

The Jawaharlal Nehru Technological University, Kukatpally, Hyderabad - 500 072, and Sardar Patel University, Vallabh Vidyanagar - 388 120, offer research facilities leading to Ph.D. in Food Technology. Meritorious M.Sc. Chemistry/ Microbiology/ Biochemistry/ Home Science/ Agriculture/ Horticulture/ Food Technology/ Food Science and Nutrition/ Veterinary Science/ M.Tech. Chemical / Dairy/ Agriculture / Food Technology holders are eligible for admission to Ph.D. programme in Food Technology conducted by the university. For more details visit www.jntu.ac.in.

Job opportunities

Those who successfully complete M.Sc. or Ph.D. programmes in Food Technology are eligible to get good jobs in the food processing / manufacturing companies, food packaging industries, food research and analysis laboratories, Baby food manufacturing companies, catering department of railways, airlines etc.

There are also self-employment opportunities. The Centre provides financial support to educated unemployed youth for setting up food manufacturing and preservation units. M.Sc. or Ph.D. holders are also eligible for lecturers'/teaching posts in academic field.

Allied subjects

Food science, nutrition and dietetics are inter-related. Food science applies to almost any scientific discipline dealing with the study of food while technological applications are the focus of food technology postgraduate programmes. Those who wish to become dieticians or nutritionists should study home science or dietetics and nutrition, food science/ technology course at the Masters Degree level. Dieticians and Nutritionists are employed by hospitals, catering departments of star hotels, baby food manufacturing companies, food research institutes etc.