

Biology Careers after 12th

Biology career guide



Student Handbook

Collected & Prepared by



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Beyond MBBS & BDS: Biology Career Options After 12th

Many biology students think the only serious options after Class 12 are MBBS and BDS. In reality, biology opens several other professional routes across allied health sciences, agriculture, veterinary science, fisheries, pharmacy, psychology, food technology, biotechnology, forensic science, public health, research and bio-engineering.

Why Biology Students Should Look Beyond MBBS and BDS

MBBS and BDS are respected routes, but they are not the only meaningful options for students who enjoy biology. Several healthcare and science careers do not require becoming a doctor or dentist. Many of them are directly connected to hospitals, diagnostics, rehabilitation, public health, agriculture, food systems, animal health, research and technology.

A practical way to choose is to first identify the type of work you prefer:

Interest Area	Suitable Direction
Hospital-based clinical support	Allied health sciences, nursing, physiotherapy, occupational therapy, radiology, lab technology, dialysis, emergency care
Rehabilitation and therapy	Physiotherapy, occupational therapy, audiology, speech-language pathology, prosthetics and orthotics
Diagnostics and medical technology	Medical lab technology, imaging, radiotherapy, nuclear medicine, clinical neurophysiology, cardiac technology
Agriculture and food systems	Agriculture, horticulture, food technology, biotechnology, agri-business, food nutrition and dietetics
Animal and fishery sciences	Veterinary science, dairy technology, poultry technology, fisheries science, aquaculture-related vocational courses
Mind, behaviour and mental health	Psychology, applied psychology, clinical psychology-related undergraduate pathways
Investigation and lab-based science	Forensic science, criminology, biomedical science, microbiology, biotechnology, epidemiology, public health
Engineering with biology	Biomedical engineering, biotechnology, bioinformatics, biological engineering, biochemical engineering

Institute and Course Directory - Alphabetical Order

The following college and university sections are arranged alphabetically to make comparison easier. Use the details as a shortlist, then verify the latest admission rules and seat matrix from official portals.

AIIMS - All India Institute of Medical Sciences

AIIMS offers several nursing and allied health science routes after Class 12.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology
Gender rule	Nursing is listed for female candidates; allied health courses are open to male and female candidates
Admission route	AIIMS CBT exam, followed by rank-based counselling
Seat information	Nursing: about 1291 seats across 18 AIIMS campuses; Allied Health: about 680 seats across 16 AIIMS campuses
Website	aiimsexams.ac.in

AIIMS Courses

3.5-year courses, including internship

- B.Sc DORA - Dental OT Assistant
- B.Sc Dental Hygiene
- B.Sc OTT - Operation Theatre Technology
- B.Sc Endoscopy Technology
- B.Sc MTR - Radiography
- B.Sc OT & Anaesthesiology Technology
- B.Sc Perfusion Technology
- B.Sc BMLS - Medical Lab Science

4-year courses, including internship where applicable

- B.Sc Nursing (Hons) - female candidates only as per the course listing
- B.Sc MRIT - Radiology and Imaging
- B.Sc MLT - Medical Lab Technology
- B.Sc MDTT - Dialysis Technology
- B.Sc Radiotherapy Technology
- B.Sc Respiratory Therapy
- B.Sc OT and Anaesthesia Technology
- B.Sc Neuroelectrophysiology
- B.Sc Urology Technology
- B.Sc Emergency Medicine Technology
- B.Sc Optometry
- B.Sc Cardiac Technology
- B.Sc Neuro Technology
- B.Sc ECG and Echocardiography Technology
- B.Sc Health Informatics
- B.Sc Anaesthesia Technology
- B.Sc Orthopaedics Assistant Technology
- B.Sc Radiography and Imaging Technology
- B.Sc Cardiac Lab Technology
- B.Sc Urology OT Technology
- B.Sc Laboratory Technology
- B.Sc Blood Banking Technology
- B.Sc Physiology Lab Technology
- B.Sc Optometry Technology
- B.Sc Radiology Technology
- B.Sc Nuclear Medicine Technology
- B.Sc Sleep Lab Technology

AIISH Mysuru - All India Institute of Speech and Hearing

AIISH is focused on hearing, speech, communication disorders and related rehabilitation careers.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology or Mathematics
Admission route	AIISH entrance exam
Reservation	All India admission with reservation as per government norms
Campus	Mysuru
Website	aiishmysore.in

AIISH Course

Course	Duration	Seats
BASLP - Audiology and Speech Language Pathology	3 years academics plus 1 year internship	80

AFMS - Armed Forces Medical Services

AFMS provides a nursing route for eligible female candidates through a defence medical services pathway.

Item	Details
Eligibility	Class 12 with Physics, Chemistry, Biology and English
Candidate rule	Only female candidates are listed as eligible in the course listing
Admission route	NEET UG plus AFMS selection process
Selection stages	NEET, AFMS application, shortlisting, assessment/interview, medical examination, final merit, allotment and admission
Seat information	Around 220 all-India seats across 6 campuses
Website	joinindianarmy.nic.in

AFMS Course

Course	Duration
B.Sc Nursing	4 years with integrated clinical training

IIT Madras - Biology-linked Science and Engineering Routes

IIT Madras offers selected biology-linked programmes through different admission routes.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology or Mathematics, depending on route and programme
JEE Advanced route	Biological Science and Biological Engineering listed through JEE Advanced and JoSAA counselling
IAT route	BS Medical Sciences and Engineering listed through IISER Aptitude Test rank and counselling
Websites	mst.iitm.ac.in , study.iitm.ac.in

IIT Madras Courses

Course	Duration	Admission route
Biological Science - B.Sc	4 years	JEE Advanced plus JoSAA counselling
Biological Engineering	4 years	JEE Advanced plus JoSAA counselling
BS Medical Sciences and Engineering	4 years	IISER Aptitude Test rank plus counselling

CUTN - Central University of Tamil Nadu

CUTN offers biology-linked undergraduate science programmes under the NEP honours/research model.

Item	Details
Eligibility	Class 12 with Biology and Chemistry
Admission route	CUET UG
Selection process	CUET score, counselling and seat allotment

Item	Details
Website	cutn.ac.in

CUTN Courses

Course	Duration
B.Sc Biotechnology - Hons/Research	4 years
B.Sc Microbiology - Hons/Research	4 years
B.Sc Epidemiology and Public Health	4 years

CMC Vellore - Christian Medical College

CMC Vellore offers nursing, therapy, rehabilitation and allied health programmes for students with a biology background.

Item	Details
Eligibility	Class 12 with Physics, Chemistry, Biology and English
Admission route	CMC entrance exam, rank, interview and final selection
Seat information	UG Allied Health plus Nursing seats listed at approximately 230 seats
Website	admissions.cmcvellore.ac.in

CMC Vellore Courses

4-year to 4.5-year programmes

- B.Sc Nursing - 4 years plus 1 year training
- BOT - Occupational Therapy, 4 years plus 6 months
- BPT - Physiotherapy, 4 years plus 6 months
- Bachelor of Prosthetics and Orthotics - 4 years plus 6 months

3-year courses plus 1-year internship

- B.Sc MLT - Medical Lab Technology
- B.Sc Optometry
- B.Sc Medical Record Science
- BASLP - Audiology and Speech Language Pathology
- B.Sc Critical Care Technology
- B.Sc Dialysis Technology
- B.Sc Nuclear Medicine Technology
- B.Sc Radiography and Imaging Technology
- B.Sc Radiotherapy Technology
- B.Sc Medical Sociology
- B.Sc Cardio Pulmonary Perfusion Technology
- B.Sc Operation Theatre and Anaesthesia Technology
- B.Sc Neuro Electrophysiology
- B.Sc Accident and Emergency Care Technology
- B.Sc Cardiac Technology
- B.Sc Respiratory Therapy

IIPR Bangalore - Indian Institute of Psychology and Research

IIPR is a route for students who want psychology-linked undergraduate programmes. It is open to students from arts, commerce and science backgrounds.

Item	Details
Eligibility	Class 12 from any stream - Arts, Commerce or Science
Admission route	Direct admission plus merit, interview or screening
Selection basis	Class 12 marks plus interview
Campus	Bangalore
Website	theiipr.org

IIPR Courses

- B.A Psychology, Journalism, Women's Studies - PJW
- B.A Psychology, Journalism, Optional English - PJO
- B.A Psychology, Marketing, Economics - PME
- B.A Psychology, Journalism, Marketing - PJM
- B.Sc Psychology, Economics, Computer Science - PEC
- B.Sc Psychology, Journalism, Computer Science - PJC

JIPMER - Jawaharlal Institute of Postgraduate Medical Education and Research

JIPMER, Puducherry offers nursing and allied health science courses through a medical admission route.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology
Admission route	NEET UG, followed by rank and counselling
Campus	Puducherry
Seat information	Around 181 seats in total: Nursing around 94 seats and Allied Health around 87 seats
Website	jipmer.edu.in

JIPMER Courses

4-year courses, usually structured as 3 years plus 1 year internship

- B.Sc Nursing - male and female candidates
- B.Sc Anaesthesia Technology
- B.Sc Optometry
- B.Sc Cardiac Laboratory Technology
- B.Sc Dialysis Therapy Technology
- B.Sc Blood Banking Technology
- B.Sc Radiology and Imaging Technology
- B.Sc Neurotechnology
- B.Sc Nuclear Medicine Technology
- B.Sc Perfusion Technology
- B.Sc Radiotherapy Technology

4-year course, usually structured as 3.5 years plus 6 months internship

- B.Sc BMLS - Medical Laboratory Sciences

JEE Main and JEE Advanced Route - JoSAA

Institution	Course	Duration
IIT BHU Varanasi	Bioengineering plus M.Tech Biomedical	5 years
IIT BHU Varanasi	Biochemical Engineering plus M.Tech Biochemical Engineering and Biotechnology	5 years
IIT Hyderabad	Biotechnology and Bioinformatics	4 years
IIT Hyderabad	Biomedical Engineering	4 years
IIT Roorkee	Biosciences and Bioengineering	4 years
IIT Delhi	Biotechnology and Biochemical Engineering	4 years
IIT Kanpur	Biological Sciences and Bioengineering	4 years

JSS Ooty - JSS Academy of Higher Education and Research

JSS Ooty is a pharmacy route for students interested in pharmaceutical education.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology or Mathematics
Admission route	JSS entrance test
Selection process	Entrance plus merit-based selection
Campus	JSS College of Pharmacy, Ooty, Tamil Nadu
Website	jssuni.edu.in

JSS Ooty Courses

Course	Duration	Seats
B.Pharm	4 years	100
Pharm.D	6 years	30

NFSU - National Forensic Sciences University

NFSU is suitable for students interested in forensic science, criminology and investigation-related scientific careers.

Item	Details
Eligibility	Class 12 with Science - PCB or PCM
Admission route	NFAT, CUET or merit, depending on programme/campus
Selection process	Entrance rank and counselling
Website	nfsu.ac.in

NFSU 3-year Programmes

Course	Campuses listed
B.Sc Criminology and Forensic Science	Chennai, Delhi and Gujarat

NFSU 5-year Integrated Programmes

Course	Campuses listed
B.Sc - M.Sc Forensic Science	Bhopal, Delhi, Dharwad, Goa, Tripura and Gujarat

NIEPMD Chennai - National Institute for Empowerment of Persons with Multiple Disabilities

NIEPMD offers rehabilitation-focused professional courses after Class 12.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology
Admission route	Based on Class 12 marks plus counselling or entrance process
Website	niepmd.tn.nic.in

NIEPMD Courses

Course	Duration	Seats
BPT - Physiotherapy	4 years plus 6 months internship	28
BOT - Occupational Therapy	4 years plus 6 months internship	28
BPO - Prosthetics and Orthotics	4 years plus 6 months internship	20
BASLP - Audiology and Speech Language Pathology	3 years plus 1 year internship	27

NIFTEM Thanjavur - National Institute of Food Technology, Entrepreneurship and Management

NIFTEM Thanjavur is a food technology route for students with a mathematics background in Class 12.

Item	Details
Course	B.Tech Food Technology
Duration	4 years
Seats	Around 90 all-India seats
Eligibility	Class 12 with Physics, Chemistry and Mathematics
Admission route	JEE Main through JoSAA counselling
Campus	Thanjavur
Institute status	Institute of National Importance
Website	niftem-t.ac.in

NIMHANS Bangalore - National Institute of Mental Health and Neurosciences

NIMHANS is a strong option for students interested in neuroscience, mental health, medical imaging and neurophysiology-linked careers.

Item	Details
Eligibility	Class 12 with Physics, Chemistry and Biology
Admission route	NIMHANS entrance exam
Admission categories	All India and Karnataka domicile categories
Website	nimhans.ac.in

NIMHANS Courses

Course	Duration	Seats
B.Sc Nursing	5 years, including 1 year internship	85
B.Sc Medical Imaging Technology	4 years, including internship	11
B.Sc Anaesthesia Technology	4 years, including internship	11
B.Sc Clinical Neurophysiology Technology	4 years, including internship	7

Tamil Nadu Government Colleges - Paramedical Courses

Tamil Nadu government medical colleges offer multiple biology-linked paramedical and allied health courses through state-level medical selection.

Item	Details
Admission website	tnmedicalselection.net

Core Courses

- B.Pharm - 4 years
- B.Sc Nursing - 4 years

Therapy Courses

- BPT - Physiotherapy, about 4 years plus 6 months internship
- BOT - Occupational Therapy, about 4 years plus 6 months internship
- BASLP - Audiology and Speech Language Pathology, 4 years including internship

Allied Health Courses

Most listed allied health courses follow a 3-year academic structure plus 1-year internship.

- B.Sc Radiology and Imaging Technology
- B.Sc Radiotherapy Technology
- B.Sc Cardio-Pulmonary Perfusion Technology
- B.Sc Medical Laboratory Technology - MLT
- B.Sc Operation Theatre and Anaesthesia Technology
- B.Sc Cardiac Technology
- B.Sc Critical Care Technology
- B.Sc Dialysis Technology
- B.Sc Physician Assistant
- B.Sc Accident and Emergency Care Technology
- B.Sc Respiratory Therapy
- B.Sc Neuro Electro Physiology
- B.Sc Clinical Nutrition

BITS Pilani and Hyderabad - Pharmacy Route

BITS offers B.Pharm through its entrance exam route.

Item	Details
Course	B.Pharm
Duration	4 years
Seat information	Around 60 to 100 seats per campus, as listed in the course listing
Eligibility	Class 12 with Physics, Chemistry and Biology or Mathematics
Admission route	BITSAT online entrance exam

Item	Details
Selection process	BITSAT score and counselling
Campuses listed	BITS Pilani and BITS Pilani Hyderabad Campus
Website	admissions.bits-pilani.ac.in

SRIHER - Sri Ramachandra Institute of Higher Education and Research

SRIHER offers pharmacy, nursing, therapy, allied health, biomedical and psychology-related undergraduate programmes.

Item	Details
Admission route for Group A and B	SRIHER Entrance Exam - CET
Admission route for Group C	Interview, with no entrance exam listed in the course listing
Admissions portal	admissions.sriramachandra.edu.in

SRIHER Group A Courses - CET Route

Course	Duration	Seats
Pharm.D	6 years	30
B.Pharm	4 years	100
B.Sc Nursing	4 years	160
BASLP	4 years	40
B.Sc Cardiac Technology	4 years	20
B.Sc Biomedical Sciences	4 years	90
B.Sc Clinical Psychology	4 years	20
B.Sc Medical Microbiology	4 years	30
B.Sc Medical Biotechnology	4 years	30

SRIHER Group B Courses - CET Route

Course	Duration	Seats
BPT - Physiotherapy	5 years	100
BOT - Occupational Therapy	5 years	40
BMRIT - Radiology and Imaging	4 years	20
BRTT - Radiotherapy	4 years	3
B.Optom	5 years	50
Emergency Medical Technology	4 years	50
BMLS - Lab Technology	4 years	20
Dialysis Technology	4 years	20
OT and Anaesthesia Technology	4 years	30
Physician Assistant	4 years	10
Nutrition and Dietetics	4 years	60
Health Information Management	4 years	15
Respiratory Therapy	4 years	20

SRIHER Group C Courses - Interview Route

Course	Duration	Seats
B.Sc Applied Psychology	3 years	40
Environmental Health Sciences	4 years	15
Clinical Research	4 years	15
Sports and Exercise Sciences	4 years	30
Bioinformatics	4 years	30
BBA - Healthcare, IB or Digital	3 years	60
Allied Health Sciences - Specializations	4 years	75

TNAU - Tamil Nadu Agricultural University

TNAU is a major route for students interested in agriculture, horticulture, forestry, food technology, biotechnology, agri-business and related applied sciences.

Item	Details
Eligibility	Class 12 with Physics, Chemistry, Biology or Mathematics
State quota admission	TNAU counselling based on Class 12 marks
All India quota admission	ICAR quota through CUET UG
Selection basis	Merit and cutoff driven
Special quotas	NRI, Industrial, Andaman and Jammu & Kashmir categories are listed in the course listing
Campus network	Multiple campuses across Tamil Nadu
Seat information	18 constituent colleges with around 3347 seats; 28 private colleges with around 4405 seats; total ecosystem above 7750 seats across 46 colleges
Website	tnau.ac.in

TNAU Core Agriculture Courses

Course	Seat information from course listing
B.Sc (Hons.) Agriculture	1783 + 4196 seats
B.Sc (Hons.) Agriculture - Tamil Medium	50 seats
B.Sc (Hons.) Horticulture	542 + 209 seats
B.Sc (Hons.) Horticulture - Tamil Medium	50 seats
B.Sc (Hons.) Forestry	126 seats
B.Sc (Hons.) Sericulture	51 seats
B.Sc (Hons.) Food, Nutrition and Dietetics	80 seats
B.Sc (Hons.) Agri-Business Management	78 seats

TNAU Technology Courses

Course	Seat information from course listing
B.Tech Agricultural Engineering	103 seats
B.Tech Agricultural Engineering - Self Supporting	85 seats
B.Tech Food Technology	125 seats
B.Tech Biotechnology	104 seats
B.Tech Energy and Environmental Engineering	90 seats
B.Tech Bioinformatics	40 seats
B.Tech Agricultural IT	40 seats

TNAU Constituent Colleges

- Agricultural College and Research Institute, Coimbatore
- Agricultural Engineering College and Research Institute, Coimbatore
- Horticultural College and Research Institute, Coimbatore
- Forest College and Research Institute, Mettupalayam
- ADAC and Research Institute, Trichy
- Agricultural Engineering College and Research Institute, Trichy
- Horticulture College for Women and Research Institute, Trichy
- Agricultural College and Research Institute, Madurai
- Community Science College and Research Institute, Madurai
- Agricultural College and Research Institute, Tuticorin
- Agricultural College and Research Institute, Tiruvannamalai
- Agricultural College and Research Institute, Pudukkottai
- Agricultural College and Research Institute, Thanjavur
- Agricultural College and Research Institute, Sivagangai
- Agricultural College and Research Institute, Nagapattinam
- Agricultural College and Research Institute, Karur
- Horticulture College and Research Institute, Theni
- Horticulture College and Research Institute, Krishnagiri

TNAU Private Agriculture and Horticulture Colleges

- Adhiparasakthi Agricultural College, Kalavai
- Thanthai Roever Agricultural College, Perambalur
- Vanavarayar Institute of Agriculture, Pollachi
- Agri Tech College, Theni
- PGP Agricultural College, Namakkal
- Imayam Agricultural College, Trichy
- RVS Agricultural College, Thanjavur
- Don Bosco Agricultural College, Takkolam
- JKK Munirajah Agricultural College, Erode
- Kumaraguru Institute of Agriculture, Erode
- JSA Agricultural College, Tittakudi
- Nammazhvar Agricultural College, Kamuthy
- Sethu Bhaskara Agricultural College, Sivagangai
- SRS Agricultural College, Dindigul
- S. Thangapazham Agricultural College, Tenkasi
- Adhiyamaan Agricultural College, Krishnagiri
- Krishna Agricultural College, Madurai

- Nalanda Agricultural College, Trichy
- Indian Agricultural College, Tirunelveli
- Palar Agricultural College, Vellore
- Aravindhar Agricultural Institute, Tiruvannamalai
- Dhanalakshmi Srinivasan Agricultural College, Perambalur
- Mother Teresa Agricultural College, Pudukkottai
- Pushkaram Agricultural College, Pudukkottai
- MIT Agricultural College, Trichy
- Jaya Agricultural College, Tiruvallur
- Adhiparasakthi Horticulture College, Kalavai
- RVS Padmavathy Horticulture College, Dindigul

TNJFU - Tamil Nadu Dr. J. Jayalalithaa Fisheries University

TNJFU is the core route in Tamil Nadu for fisheries science and related fisheries technology programmes.

Item	Details
Eligibility	Class 12 with Physics, Chemistry, Biology or Mathematics
State quota admission	TNJFU counselling based on Class 12 marks
All India quota admission	ICAR through CUET UG
AIQ counselling	icaradmission.in
State counselling	admission.tnjfu.ac.in
University website	tnjfu.ac.in

TNJFU Courses and Campuses

Programme	Duration	Seats	Campus
B.F.Sc - Bachelor of Fisheries Science	4 years	60	Fisheries College and Research Institute, Thoothukudi
B.F.Sc - Bachelor of Fisheries Science	4 years	60	Dr. M.G.R. Fisheries College and Research Institute, Ponneri, Thiruvallur District
B.F.Sc - Bachelor of Fisheries Science	4 years	60	Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru, Nagapattinam District
B.F.Sc - Bachelor of Fisheries Science	4 years	55	St. Devasahayam Institute of Fisheries Science and Technology, Midalam, Kanyakumari
B.Tech Fisheries Engineering	4 years	40	College of Fisheries Engineering, Nagapattinam
B.Tech Biotechnology	4 years, self-supporting mode	42	Institute of Fisheries Biotechnology, OMR, Vaniyanchavadi, Chennai
B.Tech Food Technology	4 years, self-supporting mode	41	College of Fish Nutrition and Food Technology, Madhavaram Milk Colony, Chennai
BBA Fisheries Enterprises Management	4 years, self-supporting mode	20	TNJFU Fisheries Business School, DIVA Campus, Muttukadu, Chennai
B.Voc IFPT	3 years	25	Paraprofessional Institute of Fisheries Technology, Madhavaram Milk Colony, Chennai
B.Voc IA	3 years	30	Paraprofessional Institute of Aquaculture Technology, Muttukadu, Chennai
B.Voc IFT	3 years	20	Paraprofessional Institute of Industrial Fishing Technology, Ramanathapuram

TNJFU B.F.Sc AIQ Colleges Listed in Tamil Nadu

- Fisheries College and Research Institute, Thoothukudi
- Dr. M.G.R. Fisheries College and Research Institute, Ponneri
- Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru, Nagapattinam

TNJFU is listed in the course listing as the only university in Tamil Nadu offering a core Fisheries degree, B.F.Sc.

TANUVAS - Tamil Nadu Veterinary and Animal Sciences University

TANUVAS is the key Tamil Nadu route for veterinary science, animal science and related food, dairy and poultry technology programmes.

Item	Details
Eligibility	Class 12 with Physics, Chemistry, Biology or Mathematics

Item	Details
State quota admission	TANUVAS counselling based on Class 12 marks
All India quota admission	ICAR quota through CUET UG
BVSc & AH seats	Around 660 seats
B.Tech seats	Around 100 seats
AIQ counselling	vci.admissions.nic.in
State counselling	adm.tanuvas.ac.in
University website	tanuvas.ac.in
Private veterinary colleges in Tamil Nadu	The course listing states that Tamil Nadu has no private veterinary science colleges

TANUVAS Courses and Campuses

Programme	Duration	Seats	Campus
BVSc & AH	5.5 years, usually 4.5 years plus 1 year internship	120	Madras Veterinary College, Chennai
BVSc & AH	5.5 years	100	Veterinary College and Research Institute, Namakkal
BVSc & AH	5.5 years	100	Veterinary College and Research Institute, Tirunelveli
BVSc & AH	5.5 years	100	Veterinary College and Research Institute, Orathanadu, Thanjavur
BVSc & AH	5.5 years	80	Veterinary College and Research Institute, Thalaivasal Koot Road, Salem
BVSc & AH	5.5 years	80	Veterinary College and Research Institute, Veerapandi, Theni
BVSc & AH	5.5 years	80	Veterinary College and Research Institute, Pannaikinaru, Udumalpet, Tiruppur
B.Tech Food Technology	4 years	40	College of Food and Dairy Technology, Koduveli, Chennai
B.Tech Poultry Technology	4 years	40	College of Poultry Production Management, Mathigiri, Hosur
B.Tech Dairy Technology	4 years	20	College of Food and Dairy Technology, Koduveli, Chennai

BVSc All India Quota Colleges Listed for Tamil Nadu

- Madras Veterinary College, Chennai
- Veterinary College and Research Institute, Namakkal
- Veterinary College and Research Institute, Orathanadu
- Veterinary College and Research Institute, Tirunelveli

This handbook also mentions that 15% All India Quota seats are available for recognised veterinary colleges in India through the relevant counselling route.

Tamil Nadu Engineering Admission Route - TNEA Based on Class 12 Marks

Institution	Course	Duration
Anna University - CEG	Biomedical Engineering	4 years
SSN College of Engineering	Biomedical Engineering	4 years
Anna University - ACT Campus	Food Technology	4 years
Anna University - ACT Campus	Industrial Biotechnology	4 years
PSG College of Technology	Biotechnology	4 years
PSG College of Technology	Biomedical Engineering	4 years

How to Choose the Right Biology Career Path

1. Check whether the student wants hospital work or non-hospital work

Students who like direct healthcare environments can consider nursing, physiotherapy, occupational therapy, radiology, lab technology, cardiac technology, emergency care, dialysis and respiratory therapy.

Students who prefer non-hospital science careers can explore agriculture, food technology, biotechnology, forensic science, microbiology, epidemiology, public health, bioinformatics and biological engineering.

2. Confirm whether Mathematics is required

Some biology-linked courses allow PCB students, while engineering and food technology routes may require Mathematics or engineering entrance eligibility. Before shortlisting, check the official eligibility rule for that admission year.

3. Separate state quota and all-India quota options

Several Tamil Nadu routes have both state counselling and all-India counselling routes. Examples include TNAU, TANUVAS and TNJFU. The application process, eligibility, reservation and cutoffs can differ between the two routes.

4. Verify seats every year

5. Compare work style before choosing

Course Type	Work Style
Nursing and allied health	Patient care, hospital shifts, clinical support and medical documentation
Physiotherapy and occupational therapy	Rehabilitation, therapy sessions, mobility improvement and patient progress tracking
Lab and imaging courses	Diagnostic workflow, equipment handling, reports and technical accuracy
Agriculture and food courses	Field work, production systems, research, food processing, quality and agri-business
Veterinary and fisheries	Animal care, farms, clinics, research, food production, aquaculture and field operations
Psychology and forensic science	Human behaviour, assessment, investigation, research and institutional work
Bio-engineering and biotechnology	Labs, product development, engineering systems, research and industry roles