কে চি দাস কমার্চ কলেজ
K. C. Das Commerce College
A Provincialised College under the Govt. of Assam

enrichmycareer
Awareness | Clarity | Excellence

Career Guidance Handbook

Discover Your Calling and Find Your Fit:

A Detailed Guide on 30 Career Options to Inspire Your Journey

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

PREAMBLE

Dear Students, Parents, and Others,

We at EnrichMyCareer and K.C. Das Commerce College, are delighted to bring to you this extremely well-researched, carefully curated, and intelligently designed Career Guidance Handbook, with the kind support of State Innovation and Transformation Aayog (SITA), Government of Assam.

This 300 pages Handbook contains highly beneficial information and insights on a total of 30 different career options and over 130 related career pathways related to the Science, Arts & Humanities, and Commerce & Management streams that will benefit both the Higher Secondary (HS) and the Degree Students in several selected colleges of Assam, besides many others.

Important topics such as the Eligibility Criteria, Popular Degree and Other Courses, Common Entrance Exams, Educational/Career Pathways, Recognized Institutes (in India, in Assam, and the World) that provide those Courses, Career/Job Prospects (in general and in Assam), Key Skills Required, Top Recruiters, Gap Analysis and more such information for each of the 30 Career Options are covered in a very lucid and easy-to-understand manner in the Handbook.

We are confident that this game-changing Career Guidance Handbook will not only create great awareness among the youth about various educational and career options but also help them make informed decisions in their journey towards building rewarding careers.

Helping the students transition successfully from a state of Confusion to Clarity and move from a state of Anxiety to Confidence is our key objective!

We therefore encourage the students, parents, and other beneficiaries to take full advantage of this ready reckoner-style Career Handbook to power their future choices and career decisions.

Here's wishing everyone the very best for their future!

Thanking You,
Team EnrichMyCareer and K.C. Das Commerce College
Supported by State Innovation & Transformation Aayog (SITA), Govt. of Assam

Copyright © EnrichMyCareer

INDEX

Career Option	Pg. No.
Actuary Science	04
Agriculture	15
Artificial Intelligence & Machine Learning	25
Aviation	35
Banking	47
Botany	57
Chartered Accountancy	66
Chemistry	74
Civil Services	83
Company Secretaryship	92
Design	99
Digital Marketing	110
Economics	120
Finance & Commerce	131
Hospitality & Hotel Management	141

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

INDEX (CONTD...)

Career Option	Pg. No.
Indian Army	151
Information Technology (IT) & Computer Applications	160
Law	169
Management	179
Mass Communication & Journalism	190
Mathematics & Statistics	201
Medical Laboratory Technology	211
Merchant Navy	220
Physics	229
Psychology	238
Sports & Sports Management	249
Stock Broking	259
Teaching & Education	268
Travel & Tourism	281
Zoology	290

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN ACTUARY SCIENCE

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN ACTUARY SCIENCE

Actuarial Science is about studying risks in areas like insurance, business, finance, and healthcare. Actuaries, experts in this field, use mathematics and statistics to assess future risks in various sectors such as life insurance, health insurance, general insurance, pension funds and more.

They play a vital role in maintaining stability in the financial and insurance sectors, predicting future risks, and suggesting preventive measures. Actuarial Science offers high pay, job security, and is ranked among the top 25 professions globally.

Actuaries analyse different kinds of data to calculate and handle risks, helping companies create effective policies to shield themselves from unexpected events. Actuaries are in demand in banking, insurance, healthcare, and other areas were dealing with risks is important.

Especially in insurance, they are the brains behind designing insurance policies, using facts and trends to create different programs.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING ACTUARIAL SCIENCE IN INDIA

CRITERIA FOR ACTUARIAL COURSE BY THE INSTITUTE OF ACTUARIES OF INDIA (IAI)

- ☑ Successful completion of 10+2 from a recognized board/university is a prerequisite.
- ☑ Candidates must exhibit a versatile skill set in key areas, including Mathematics, Statistics, Data Analytics, and Finance.
- ☑ Proficiency in logical reasoning and analytical skills is essential for prospective candidates.

CRITERIA FOR CERTIFICATION COURSES IN ACTUARIAL SCIENCE

- ☑ Successful completion of 10+2 with excellent marks in math/statistics is required.
- ☑ Graduates in math/statistics/econometrics with a minimum of 55% marks are eligible.
- ☑ Members of professional bodies such as ICAI, ICWAI, and IFAI are also considered eligible.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CRITERIA FOR DIPLOMA COURSES IN ACTUARIAL SCIENCE

- ☑ A graduation degree in Mathematics, Statistics, Engineering, or related fields from a recognized university is a prerequisite.
- ☑ Candidates in the final year of their graduation are also eligible to apply.

CRITERIA FOR B.SC IN ACTUARIAL SCIENCE (FOR UG COURSES)

- ☑ Students should have completed their 10+2 examinations in the Commerce/Mathematics stream.
- ☑ Students should have studied English as one of the primary language subjects.
- ☑ There is no maximum age limit for candidates taking this test.
- ☑ A minimum aggregate of 60% in the 10+2 examinations and a minimum aggregate of 70% in Mathematics are prerequisites.

CRITERIA FOR M.SC IN ACTUARIAL SCIENCE (FOR PG COURSES)

- ☑ Students should possess a B.Sc./B.Com. degree with a minimum overall score of 50%.
- ☑ It is essential for candidates to have completed mathematics and statistics as two of their core courses during their undergraduate studies.

POPULAR UG DEGREES IN ACTUARIAL SCIENCE IN INDIA

BSc/BSc(H)/BBA/BA/BA(H)/BCom/B.Math in domains such as Actuarial Science, Actuarial and Financial Mathematics, Statistics/Maths, Insurance & Banking.

POPULAR PG DEGREES IN ACTUARIAL SCIENCE IN INDIA

MBA/MSc/Mcom/Masters/MA/M.Math in domains such as Actuarial Science, Statistics (Actuarial), Insurance Business etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR DIPLOMA COURSES IN ACTUARIAL SCIENCE IN INDIA

Diploma Course in Capital Market, Financial Services Management. Post Graduation Diploma Course in Actuary Science, Diploma in Risk Management etc.

POPULAR CERTIFICATION COURSES IN ACTUARIAL SCIENCE IN INDIA

Certificate in Actuarial Science for Non-Actuaries, Introduction to Actuarial Science, Financial Investment & Risk Management, Business Statistics and Analysis Specialization.

COMMON ENTRANCE EXAMS FOR PURSUING ACTUARIAL SCIENCE COURSES IN INDIA

ACET, CUET-UG, CUET- PG, CAT, DUET, ICAR AIEEA, XAT, CUSAT, IBSAT, MAT, IIT JAM etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Actuarial Science courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Class XII with Science, Commerce with Maths → Pursue B.Sc. (or BSc. Hons) in Actuarial Science → Pursue M.Sc/MBA in Actuarial Science.

Study/Course Pathway 2:

Class XII with Science, Commerce with Maths → Pursue B.Com/BBA in Actuarial Science → Pursue M.Com/MBA in Actuarial Science.

Study/Course Pathway 3:

Class XII with Science, Commerce with Maths → Pursue Graduation in Maths/Science/ Economics → Pursue M.Sc/MBA/PG Program in Actuarial Science.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 4:

Class XII with Science, Commerce with Maths → Pursue Graduation in Maths/Statistics/ Science/ Economics → Pursue M.Sc/MBA/MA/ PG Program in Actuarial Science.

Study/Course Pathway 5:

Class XII (Any Stream) → ACET (Actuarial Common Entrance Test) → Practise/Become Actuary (depending on Levels cleared).

Note: *To pursue Actuarial Science through ACET route, one is required to clear different examinations/stages. These are written as well as practical exams conducted by the Institute of Actuaries of India (IAI).*

Note: *After the clearance of this entrance exam, you can proceed to register with the IAI. Although IAI conducts a total of 13 exams, which are divided into 4 stages. You can initiate your career as an actuary after successfully completing just 4-5 exams out of 13. One can complete taking the ACET exams at his/her on pace as there is no defined timeframe to clear the same.*

Note: *Ideal graduation streams for pursuing this profession include Mathematics (Hons.), Statistics (Hons.), Economics (Hons.), and B.Com (Hons.).*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ACTUARIAL SCIENCE COURSES IN INDIA

- Christ University, Bengaluru
- Bishop Heber College, Tiruchirappalli
- Babu Banarasi Das University, Lucknow
- Amity University, Noida
- Banasthali Vidyapeeth, Jaipur
- Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
- Chandigarh University, Punjab
- Yashwantrao Chavan Maharashtra Open University, Nashik
- Lovely Professional University, Jalandhar
- University of Petroleum and Energy Studies, Dehradun
- NIMS University, Jaipur
- Amity School of Insurance Banking and Actuarial Science, Noida
- Delhi University, Delhi, (Various Colleges)
- Institute of Actuaries of India, Mumbai
- NMIMS, Mumbai
- National Insurance Academy, Pune
- University of Madras, Chennai, (Mathematics & Statistics)
- BSAU, Chennai
- Banaras Hindu University, Varanasi
- Mumbai University, Mumbai (Mathematics & Statistics)
- Mahatma Gandhi University, Kottayam
- International School of Actuarial Sciences, Hyderabad
- Tata Institute of Fundamental Research (TIFR), Mumbai, (Mathematics & Statistics)
- Institute of Actuarial and Quantitative Studies, Mumbai
- Indian Statistical Institute (ISI), Kolkata (Mathematics & Statistics)
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams to degree courses in Actuarial Science, which require a good score for the student to get admitted in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ACTUARIAL SCIENCE OR RELATED COURSES IN ASSAM

- Dibrugarh University, Dibrugarh
- Gauhati University, Guwahati
- IIT Guwahati, Guwahati
- Royal Global University, Guwahati
- K.C. Das Commerce College, Guwahati
- Handique Girls' College, Guwahati
- BNC Dhubri, Dhubri
- Mangaldai College, Mangaldai
- Birjhora Mahavidyalaya, Bongaigaon
- North Lakhimpur College, Lakhimpur
- Jorhat Kendriya Mahavidyalaya, Jorhat
- Lalit Chandra Bharali College, Guwahati
- Kaliabor College, Nagaon
- Pandu College, Guwahati
- J B College, Jorhat
- Tinsukia College, Tinsukia
- Chaiduar College, Gohpur
- Cotton University, Guwahati
- Srikishan Sarda College, Hailakandi
- Nalbari College, Nalbari
- Sibsagar College, Sibsagar
- Assam Don Bosco University, Guwahati
- Kaziranga University, Kaziranga
- Assam University, Silchar
- B Barooah College, Guwahati
- Arya Vidyapeeth College, Guwahati
- Bodoland University, Kokrajhar
- Barnagar College, Barpeta
- Nowgong College, Nagaon
- Kokrajhar Government College, Kokrajhar
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams to degree courses in Actuarial Science, which require a good score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE ACTUARIAL SCIENCE COURSES

- University of Pennsylvania, Philadelphia
- Monash Business School, Monash University, Australia
- Heriot Watt University Edinburgh
- Columbia University, New York
- Queen's University, Belfast
- Xi'an Jiaotong Liverpool University, Suzhou, China
- University of Kent, Canterbury
- University of Toronto, Toronto
- University of Manchester, Manchester
- Nanyang Technological University, Singapore
- The London School of Economics and Political Science, London
- University of Melbourne, Melbourne
- Purdue University, West Lafayette
- The University of Hong Kong, Pokfulam
- University of Illinois, Urbana
- University of York, Heslington
- Australian National University, Canberra
- University of Oxford, UK
- University of Cambridge, UK
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Actuary Science abroad, in general they will have to provide English proficiency test scores of TOEFL/IELTS, etc. and SAT/ACT scores for bachelor's degree programs or GRE/GMAT scores for master's degree programs. Along with this, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Actuary, Claims Investigator, Group Benefits Producer, Life Insurance Actuary, Pension Actuary, Investment Actuary, General Insurance Actuary, Health Insurance Actuary, Risk Management Actuary, Accountants and Auditors, Budget Analyst, Cost Estimators, Economists, Financial Analysts, Insurance Underwriters, Mathematicians, Actuary Analyst, Postsecondary Teachers, Actuarial Product Manager, Financial Advisor, Consultant, Senior Executive Actuary, Actuarial Associate, Customer Service - Property Insurance Financial Officer, Insurance Appraiser, Insurance Claims Clerks, Insurance Policy Processing Clerks, Insurance Product Manager, Insurance Sales Agents, Office Machine Operators Except Computer etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Insurance Companies
- Wealth Management Companies
- Financial Services Firms
- Banking Sector
- BPOs
- Risk Management Firms
- Academic Institutions
- Pension & Provident Funds
- Management Consultancy Firms
- Investment Advisories
- Data Analytics & Technology Companies
- Credit Rating Agencies etc

Copyright © EnrichMyCareer

GOVERNMENT OR PUBLIC BODIES

- Insurance Regulatory and Development Authority of India
- Credit Rating Agencies (CRISIL etc.)
- The Pension Fund Regulatory & Development Authority (PFRDA)
- The Reserve Bank of India (RBI)
- The Ministry of Finance
- Public Sector Banks (SBI, PNB etc.)
- Academic Institutions
- Research Bodies or Institutions
- Stock Exchanges (NSE/BSE)
- Institute of Actuaries of India (IAI)
- Life Insurance Corporation of India (LIC)
- Other Insurance bodies/companies
- Securities and Exchange Board of India (SEBI)
- Employees' State Insurance Corporation
- Ministry of Labour & Employment, GOI
- General Insurance Corporation of India (GIC)
- Agriculture Insurance Company of India Ltd. etc.

IN ASSAM

- ICICI Prudential Life Insurance
- Bajaj Allianz Life Insurance
- HDFC Life Insurance
- Tata AIA Life Insurance
- Kotak Mahindra Life Insurance
- Max Life Insurance
- SBI Life Insurance
- State Bank of India (SBI)
- Punjab National Bank (PNB)
- United Bank of India (UBI)
- Axis Bank
- HDFC Bank
- ICICI Bank
- Cotton University (Guwahati)
- Assam Down Town University (Guwahati)
- Tezpur University (Tezpur)
- Numaligarh Refinery Limited (NRL)
- Oil India Limited
- Anand Rathi
- Emkay Global Financial Services
- ICICI Securities

- Brahmaputra Cracker and Polymer Limited (BCPL)
- Assam Gas Company Limited (AGCL)
- Life Insurance Corporation of India (LIC)
- General Insurance Corporation of India
- Employees' Provident Fund Organization (EPFO)
- Insurance Regulatory and Development Authority of India
- Pension Fund Regulatory and Development Authority
- Employees' State Insurance Corporation (ESIC)
- ICICI Prudential Asset Management Company
- Reliance Nippon Life Asset Management
- SBI Funds Management
- Bajaj Finserv

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Owner/Founder/Entrepreneur in Fintech Company, Insurance Company, Insurtech/Investment Management Startups, Wealth Management Companies, Financial Services Firms, Banking Sector, BPOs, Risk Management Firms, Management Consultancy Firms, Tax Consultancy & Accounting Firms, Investment Advisories, Private Credit Rating Agencies, Academic Institutions etc.

KEY SKILLS REQUIRED

Statistical Analysis, Financial Modelling, Data Analysis, Problem Solving, Technical, Communication & Interpersonal Skills, Strong Mathematical Aptitude, Business and Finance Knowledge, Risk Assessment & Management, Programming, Analytical Thinking, Critical Thinking, Decision Making Abilities, Insurance and Pricing Skills/Knowledge, Attention to Details, Continuous Learning, Collaboration & Teamwork, Ethical Judgement etc.

REMUNERATION/SALARY (INDICATIVE)

There is a considerable shortage of qualified Actuaries in comparison to the high demand for their expertise. Consequently, the field offers a substantial average salary to start with.

- Individuals who have cleared 1-3 papers (or have 0-5 years of work experience) typically start with an average salary ranging between 5-8 LPA.
- Individuals who have cleared 4-6 papers (or have 6-15 years of work experience) can expect an average salary ranging between 8-15 LPA.
- Individuals who have cleared 7 or more papers (or have 15+ years of work experience) can expect an average salary ranging between 15-40+ LPA.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, experience, location, and college reputation, and the job profile, organization, and market conditions at that time.*

TOP RECRUITERS

- IDBI Bank
- Max Bupa Health Insurance
- McKinsey Advanced Healthcare Analytics
- Mercer
- Ernst and Young
- WNS Global Services
- Directorate of Postal Life Insurance
- Swiss Re
- Future Generali India Life Insurance
- ICICI Prudential
- Ministry of Labour & Employment

- PwC Actuarial Services India
- Accenture
- HDFC Ergo
- Max Life Insurance
- Life Insurance Corporation of India
- CRISIL
- KPMG
- PWC
- Deloitte
- Niva Bupa
- Bajaj Allianz
- Others

GAP ANALYSIS

A gap analysis of actuarial science as a career in India involves identifying the discrepancies between the current state and the desired state of the career landscape in terms of skills, knowledge, opportunities, and industry needs. Here's a detailed analysis:

1. Current State of Actuarial Science Career in India

- High Demand in Specific Sectors: Actuaries are in high demand in insurance, pensions, healthcare, finance, and investment sectors.
- Limited Awareness: Actuarial science is not as well-known or popular as other professions like engineering, medicine, or chartered accountancy.
- Professional Qualification: The Institute of Actuaries of India (IAI) governs the profession, and passing actuarial exams is challenging and time-consuming.
- Skill Requirements: High proficiency in mathematics, statistics, and financial theory.
- Job Roles: Roles include risk assessment, financial modeling, pension scheme valuation, and investment strategy development.

Copyright © EnrichMyCareer

2. Desired State of Actuarial Science Career in India

- Increased Awareness and Popularity: Greater awareness of actuarial science as a viable and lucrative career option.
- Comprehensive Skill Sets: Actuaries equipped with advanced skills in data analytics, machine learning, and programming.
- Broader Industry Integration: Expanded roles beyond traditional sectors to include emerging areas like climate change risk, cyber risk, and data science.
- Accessible Professional Development: Easier access to professional development and continuous education resources.
- Supportive Ecosystem: A supportive ecosystem with more companies recognizing and valuing actuarial expertise.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN AGRICULTURE

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN AGRICULTURE

Agriculture in India presents diverse and promising career opportunities. With over half of the country's population engaged in agriculture-related activities, the sector is a cornerstone of India's economy. Careers in agriculture range from traditional farming and agribusiness to modern agri-tech and research.

For individuals passionate about farming, opportunities abound in crop cultivation, livestock management, and dairy farming. As India undergoes agricultural modernization, there is a growing demand for skilled professionals in areas such as precision farming, organic agriculture, and sustainable farming practices. Agribusiness offers avenues for career growth in agro-processing, marketing, supply chain management, and agricultural finance.

Various Indian government's initiatives provide support and incentives for individuals pursuing careers in agriculture. Moreover, advancements in agricultural technology, including drones, IoT devices, and data analytics, are revolutionizing the sector and creating opportunities for innovation-driven careers. Further, various institutions offer opportunities for careers in research, teaching, and extension services.

A career in agriculture in India offers a fulfilling path for individuals passionate about sustainable food production, rural development, and technological innovation. As the sector continues to evolve, there are ample opportunities for growth, innovation, and meaningful impact on society and the environment.

Career Domains in Agriculture: Horticulture, Dairy Technology, Food Science & Technology, Agronomy, Soil Science, Plant Breeding and Genetics, Agricultural Biotechnology, Agricultural Engineering, Forestry, Poultry Farming, Fisheries Science, Agricultural Science etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING AGRICULTURE IN INDIA

- ☑ Applicants from the arts stream at the 12th grade level are generally ineligible for agriculture courses; however, exceptions may be made for students from the commerce stream in rare cases.
- ☑ The admission process for agriculture courses varies among institutions, with some relying solely on entrance exams while others consider academic performance in the 12th grade.
- ☑ Undergraduate Level: Applicants are required to have completed their 12th grade in the Science stream with a minimum aggregate of 45% - 50% marks.
- ☑ Postgraduate Level: Candidates seeking admission at the postgraduate level should hold a bachelor's degree with an aggregate of at least 45% - 50% marks.

POPULAR UG DEGREES IN AGRICULTURE IN INDIA

BSc/BTech/BBA/BE/ BVoc etc. in domains such as Agriculture, Agriculture & Food Business, Animal Husbandry, Fisheries, Forestry, Agriculture Economics & Farm Management, Horticulture, Dairy Technology, Food Science, Plant Pathology etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DEGREES IN AGRICULTURE IN INDIA

MBA/MSc/MPhil/PG Diploma etc. in areas of Agricultural Production, Agriculture, Agronomy, Genetics & Plant Breeding, Forest Management & Utilization, Agri-Business Management, Soil Science, Natural Resource Management, Water Conservation etc.

POPULAR DIPLOMA COURSES IN AGRICULTURE IN INDIA

Agriculture/Horticulture/ Food Processing/Agro Products Processing/Agriculture & Allied Practices/Organic Farming/Animal Husbandry/Seed Technology etc.

POPULAR PROFESSIONAL CERTIFICATION COURSES IN AGRICULTURE IN INDIA

Organic Farming/Food Safety/Agriculture/Food Production/Livestock Production/Crop Production/Agricultural Economics/Plant Pathology/Entomology etc.

COMMON ENTRANCE EXAMS FOR PURSUING AGRICULTURE COURSES IN INDIA

AP EAMCET, BCECE, KEAM, JCECE, KCET, MP PAT, ICAR AIEEA, MCAER CET, CUET, CUET PG, TS EAMCET, JCECE, PAU CET, WBJEE, GUJCET, GBPUAT, GATE, SHIATS, etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Agriculture courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream with PCB/PCMB → Pursue BSc Agriculture (Hons.) → Pursue M. Sc in specialization → Pursue PhD for2-3 years or take up a Job.

Study/Course Pathway 2:

Study Class XII in Science Stream with PCB/PCMB (Maths is recommended) → Pursue BTech/BSc (Dairy Technology) → Pursue MTech/MSc (Dairy Technology) → Pursue PhD for 2-3 years or take up a Job.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 3:

Study Class XII in Science Stream with PCB/PCMB (Maths is recommended) → Pursue BTech (Agricultural Engineering) → Pursue M. Tech (Agricultural Engineering) → Pursue PhD for 2-3 years or take up a Job.

Study/Course Pathway 4:

Study Class XII in Science Stream with PCB/PCMB (Maths is recommended) → Pursue BSc/BTech in Agricultural Biotechnology → Pursue MSc/MTech in Agricultural Biotechnology → Pursue PhD for 2-3 years or take up a Job.

Study/Course Pathway 5:

Study Class XII in Science Stream with PCB/PCMB (English is mandatory) → Pursue BSc in Food Technology → Pursue MSc in Food Technology or Diploma in Food Technology → Pursue PhD for 2-3 years or take up a Job.

Study/Course Pathway 6:

Study Class XII in Science Stream with PCB/PCMB (English is mandatory) → Pursue BSc in Horticulture → Pursue MSc in Horticulture → Pursue PhD for 2-3 years or take up a Job.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AGRICULTURE COURSES IN INDIA

- IIT-Kharagpur - Kharagpur
- NIT-Rourkela - Rourkela
- Tamil Nadu Agricultural University - Coimbatore
- Punjab Agricultural University - Ludhiana
- Kerala Agricultural University - Thrissur
- Anand Agricultural University - Anand
- Mahatma Phule Krishi Vidyapeeth - Pune
- Dr. Y S Parmar University of Horticulture & Forestry - Himachal Pradesh
- ICAR- Central Institute for Subtropical Horticulture - Lucknow
- National Dairy Research Institute – Karnal
- Sanjay Gandhi Institute of Dairy Science and Technology - Patna
- Banaras Hindu University - Varanasi
- Sam Higginbottom Institute of Agricultural Technology and Sciences - Allahabad
- ICAR-Indian Institute of Soil Sciences - Bhopal
- Sardar Vallabh Bhai Patel University of Agriculture and Technology - Meerut

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- Indian Agriculture Research Institute - Delhi
- Indian Institute of Agricultural Biotechnology - Ranchi
- University of Agricultural Sciences - Bangalore
- West Bengal University of Animal and Fishery Sciences - Kolkata

- Dr. D.Y. Patil College of Agricultural Business Management - Pune
- Shoolini University - Solan

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Agriculture which may require qualifying scores from students to get admission in the institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AGRICULTURE COURSES IN ASSAM

- Assam Agricultural University, Jorhat & Guwahati
- Assam Food Craft Institute, Nagaon
- Tezpur University, Tezpur
- Daffodil College of Horticulture, Khetri
- Biswanath College Of Agriculture, Biswanath Chariali
- Sarat Chandra Singha College of Agriculture, Dhubri

- College of Fisheries, Nagaon
- Krishna Kanta Handiqui State Open University, Guwahati
- College of Horticulture, Nalbari
- College of Veterinary Science, Guwahati
- Dibrugarh University, Dibrugarh
- SBMS College - Sualkuchi

- Royal Global University, Guwahati
- Gauhati University, Guwahati
- Central Institute of Technology, Kokrajhar
- Assam Down Town University, Guwahati
- Cotton University, Guwahati
- Pub Kamrup College, Baihata Chariali

- North Lakhimpur College, Lakhimpur
- Madhab Choudhury College, Barpeta

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Agriculture, which may require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE AGRICULTURE COURSES

- Wageningen University, Netherlands
- Iowa State University, USA
- University of Nebraska, USA
- Cornell University, USA
- University of Florida, USA
- Massey University, New Zealand
- Swedish University of Agricultural Sciences, Sweden
- University of British Columbia, Canada
- Aarhus University, Denmark
- University of Georgia, USA
- Michigan State University, USA
- University of Sydney, Australia
- Taratahi Agricultural Training Centre, New Zealand
- University of California, Berkeley, USA
- Australian National University, Australia
- University of Queensland, Australia
- University of California, Davis (USA)
- South China Agricultural University, China
- Seoul National University, South Korea
- University of Massachusetts-Amherst, USA

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study Agriculture courses abroad, they will have to provide TOEFL/IELTS scores for English proficiency, SAT/ACT scores for bachelor's courses, and GRE/GMAT scores for master's courses. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) need to be provided.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Farmer, Agricultural Consultant, Agricultural Engineer, Crop Production Manager, Irrigation Systems Specialist, Floriculture Consultant, Dairy Technologist, Farm Equipment Design Engineer, Agricultural Safety Engineer, Landscape Designer, Dairy Processing Manager, Food Scientist, Food Safety Inspector, Agronomist, Soil Conservationist, Sustainable Agriculture Advisor, Environmental Consultant, Seed Production Specialist, Biotechnologist, Biofuel Research Scientist, Forest Manager, Wildlife Biologist, Poultry Farm Manager, Fisheries Scientist, Aquaculture Manager, Marine Biologist, Agriculture Officer, Horticultural Scientist, Pomologist, Dairy Supervisor, Plant Scientist, Soil Scientist, Microbiologist, Silviculturist, Genomics Research Expert, Food Technologist, Animal Nutritionist, Rural Practice Surveyor, Hatchery Assistant, Breeder, Shellfish Culturist, Agricultural Lawyer, Agricultural Economist, Organic Farmer etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Private Farms & Agribusiness Corporations
- Food Processing Companies
- Agricultural Research Firms
- Agricultural Equipment Manufacturers
- Agricultural Institutes/Universities
- Dairy & Poultry Farms
- Seed Companies
- Dairy Product Companies
- Food Packaging Companies
- Biotech Startups
- Agri-tech Startups
- Environmental Consultancy
- Pharma/Biopharma Companies
- Genetic Engineering Firms
- Chemical Companies
- Aquaculture Farms
- Tea Gardens
- Waste Management Firms
- Forestry Management Firms
- Fish Processing & Packaging Companies
- Agrochemical Units
- Landscape Design Firms
- Supermarkets
- Grocery Chains
- Agricultural Consulting Firms
- Food Safety & Quality Assurance Consultancy Firms
- Animal Nutrition & Feed Companies
- Livestock Breeding Firms
- Coffee & Rubber Plantations
- Fertilizer companies
- Healthcare Industry

GOVERNMENT OR PUBLIC BODIES

- Ministry/Dept. of Agriculture
- Indian Agricultural Research Institute
- Indian Council of Agricultural Research
- National Seeds Corporation
- Botanical Survey of India
- Indian Forest Services
- Environmental Regulatory Agencies
- Soil & Water Conservation Depts.
- Govt. Irrigation Firms
- Forestry Depts.
- Agricultural Universities
- Research Institutes
- Wildlife Conservation Bodies
- Food & Drug Administration
- Food Safety & Standards Authority of India
- Dept. of Health
- Fisheries Depts.
- Biotechnology Regulatory Agencies
- National Institutes of Health
- Indian Council of Forestry Research and Education
- Dept. of Natural Resources
- United Nations Food and Agriculture Organization
- Forest Research Institute
- Ministry of Consumer Affairs (Food & Public Distribution)
- Agriculture and Processed Food Products Bodies/Organisations
- Export Development Authority
- NABARD
- National Institute of Food Technology
- National Agricultural Cooperative Marketing Federation of India

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Guwahati Microgreens
- Directorate of Agriculture
- Directorate of Horticulture and Assam Seeds Corporation
- North Eastern Region Agricultural Marketing Corporation
- Purabi Dairy
- Assam Live Stock & Poultry Corporation
- Assam Agricultural University
- Krishi Vigyan Kendras
- Borah Agro Center
- Brahmaputra Valley Farmer Producer Company
- Assam Agro Products
- Northeast Agro & Services,
- Assam Agro Industries Development Corporation
- Assam Agricultural Machinery Development Corporation
- Assam Forest Dept.
- Assam Directorate of Dairy Development

- Animal Husbandry & Veterinary Dept. of Assam
- Meghastar Agro Hortitech
- Agro Tech & Traders
- Nifti Food & Agro
- Dymexa Biotech
- Assam Fisheries Development Corporation
- AgSpert
- Regional Food Testing Lab
- Poohar Agro Producer Company
- ABM Agri Industry & Research
- Padumpathar Agro Organic Producer Company
- Assam Tea Corporation
- Assam Soil Conservation Department
- Assam State Zoo cum Botanical Garden
- FSSAI-NER
- Dept. of Fisheries-Assam
- Indian Institute of Food Processing Technology Regional Centre
- NABARD

IF SELF EMPLOYED/ENTREPRENEUR

Farm Equipment Manufacturer, Precision Agriculture Firm, Agri Products Shop, Greenhouse Nursery, Sustainable Landscaping Services, Online Gardening Supplies Store, Dairy Products Company, Dairy Processing Consultancy, Food Product Development Company, Food Safety Consultancy, Seed Breeding Company, FoodTech Startup, Farm Management Tech Firm, Agricultural Supply Chain Platform, Soil Remediation Services, Biotech Startup, Biopharma Production, Aquaculture Farm, Agricultural R&D Unit, Agri-Tech Startup, Organic Farmer, Sustainable Agriculture Consultancy, Nutritionist, Dietitian, Restaurateur, Food Blogger etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

KEY SKILLS REQUIRED

Research, Analytical, Communication, Problem Solving, Observation, Interpersonal, Critical Thinking, Attention to Detail, Decision Making, Coordination, Teamwork, Patience, Integrity, Resilience, etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-Level (0-2 years' experience): Salary ranges from Rs. 2-3 lakhs/year. Roles include agricultural/ food quality assurance technician, research assistant, farm manager trainee, food technologist etc.
- Mid-Level (3-5 years' experience): Salary ranges from Rs. 4-7 lakhs/year. Roles include agricultural extension officer, food safety expert, agricultural scientist, quality control manager, farm manager etc.
- Senior-Level (6+ years' experience): Salary ranges from Rs. 8-15+ lakhs/year. Roles include agricultural consultant, food production manager, research scientist, agricultural engineer, director of food science.

Note: *The above salaries are indicative and can vary based on industry, location, company, and individual skills, experience, & qualifications. Further, salaries may also include bonuses, incentives, and benefits.*

TOP RECRUITERS

- Britannia Industries
- MTR Foods
- Dabur India
- ITC
- Agriplex India
- AV Agritech Inputs
- INI Farms
- HUL
- Verka
- Nestle
- Mother Dairy
- Amul

- Food Corporation of India
- Council of Scientific and Industrial Research
- National Dairy Development Board
- National Seeds Corporation Ltd
- North Eastern Region Agricultural Marketing Corporation

- Indian Council of Agricultural Research
- NABARD
- Dhunseri Tea & Industries
- JK Agri Genetics
- Kaveri Seed Company
- Mondelez India
- Jubilant Foodworks
- Pepsico India
- Parle Products

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- DuPont India
- National Agro Industries
- Agricultural Finance Corporation
- AgCode
- Bright Farms
- Agrisoma Biosciences
- MicroGen BioTech
- Orchardly
- Cibus
- Affinor Growers

- Indian Institute of Biotechnology (NIPER Hyderabad)
- Godrej Agrovet
- Pindfresh
- UrbanKisaan
- SayTrees
- Flash Forest
- Deshpande Foundation
- WML Biotechnology
- Letcetra Agritech

- Akiva Super Foods
- Indian Agricultural Research Institute

GAP ANALYSIS

A gap analysis of a prospective career in Agriculture in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Agriculture Career in India

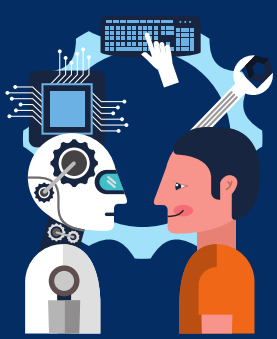
- Educational Pathways: Degrees in agriculture (B.Sc., M.Sc., Ph.D.) offered by agricultural universities and colleges. Specializations include agronomy, horticulture, soil science, plant pathology, agricultural engineering, and agribusiness management.
- Diverse Roles: Roles include agricultural scientists, agronomists, horticulturists, soil scientists, agricultural engineers, extension officers, agribusiness managers, and educators.
- Regulatory Framework: Bodies like the Indian Council of Agricultural Research (ICAR) regulate agricultural education and research standards.
- Employment Opportunities: Available in government agencies, research institutions, agribusiness companies, agritech startups, NGOs, and educational institutions.
- Skill Requirements: Strong foundation in agricultural sciences, research skills, fieldwork proficiency, knowledge of sustainable practices, and understanding of modern agricultural technologies.

2. Desired State of Agriculture Career in India

- Advanced Skill Sets: Professionals should possess skills in advanced agricultural techniques, biotechnology, precision farming, sustainable agriculture, and agribusiness management.
- Global Competency: Knowledge and skills that align with international agricultural standards and practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in agricultural technologies and methods.
- Technological Proficiency: Proficiency in using digital tools and modern technologies (e.g drones) for precision agriculture, data analysis, remote sensing, GIS, and advanced laboratory techniques.
- Holistic Agricultural Approach: Integration of holistic agricultural methods, sustainable practices, community engagement, and policy advocacy.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN AI & ML

Artificial Intelligence (AI) and Machine Learning (ML) are at the core of a technological revolution that is transforming the way we live, work, and interact with the world around us. These cutting-edge fields leverage advanced algorithms and computational power to enable machines to learn from experience, adapt, and make decisions based on data.

AI refers to computer software or system that mimics human cognition, performing complex tasks and learning from them. ML, a subfield of AI, uses algorithms trained on data to create adaptable models capable of various tasks.

AI & ML professionals are responsible for developing and implementing intelligent systems that can learn from data, identify patterns, and make predictions or decisions without being explicitly programmed. They work on developing algorithms, training models, and deploying AI solutions to solve complex problems.

People who want to build a career or grow in this field need to have a strong background in statistics, mathematics, computer science, and programming languages such as Python, R, etc.

The applications of AI and ML are vast and far-reaching, spanning industries such as healthcare, finance, retail, transportation, and entertainment. From personalized medicine and fraud detection to self-driving cars and intelligent virtual assistants, these technologies are revolutionizing the way we live and work, offering unprecedented efficiency, accuracy, and convenience.

The AI landscape is rapidly evolving, with many recent developments such as the advent of Generative AI like ChatGPT and others (that creates original content like text, images, or videos based on user prompts) that's set to add up to $4.4 trillion to the global economy annually.

The impact of AI on jobs is a topic of debate. While AI could replace around 300 million full-time jobs globally, it also has the potential to create new roles. Routine task-oriented jobs are at the greatest risk. Ultimately, balancing the threat and opportunity of AI will shape our future workforce.

As AI & ML continue to advance, they hold the promise of solving some of humanity's most pressing challenges, from climate change & disease prevention to sustainable energy & resource management.

With the rapid growth of AI & ML, job prospects in this field are promising, and professionals have the opportunity to work on cutting-edge projects that can make a significant impact in the world.

Specializations/Domains of AI & ML: Machine Learning, Neural Networks, Deep Learning, Computer Vision, Natural Language Processing, Data Mining, Robotics, Expert Systems, Autonomous Systems etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING AI & ML IN INDIA

FOR UNDERGRADUATE (UG) PROGRAMS

- ☑ Complete 10+2 in Science Stream from a recognized board with Physics, Chemistry and Maths as compulsory subjects.
- ☑ 60%-80% minimum aggregate scores in 10+2 or equivalent exam as specified by the institution.
- ☑ Qualifying scores in entrances like JEE Main, JEE Advanced, or institution-specific entrance tests.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FOR POSTGRADUATE (PG) PROGRAMS

- ☑ A Bachelor's degree in a relevant field such as Computer Science, Information Technology, Electronics and Communication, Mathematics, or Statistics.
- ☑ 60%-75% minimum aggregate percentage or relevant CGPA as specified by the institution.
- ☑ Qualifying scores in relevant entrance exams like GATE (Graduate Aptitude Test in Engineering), JAM (Joint Admission Test for M.Sc.), or institution-specific entrance tests.
- ☑ For some MTech. programs, a valid GATE score may be mandatory.

POPULAR UG DEGREES/COURSES IN AI & ML IN INDIA

BTech/BTech (Hons.)/BSc/BCA in Artificial Intelligence/Machine Learning/Data Analytics/Artificial Intelligence and Data Science/ Computer Science and Engineering (with specialization in AI/ML), Information Technology (with specialization in AI/ML) etc.

POPULAR PG DEGREES/COURSES IN AI & ML IN INDIA

MTech/MTech (Hons.)/MSc/MCA in Artificial Intelligence/Machine Learning/Computer Science and Engineering (with specialization in AI/ML)/Data Analytics etc.; and Integrated MTech in Artificial Intelligence, Data Science and Machine Learning etc.

POPULAR DIPLOMA COURSES IN AI & ML IN INDIA

Diploma in Artificial Intelligence and Machine Learning, Post Graduate Diploma in Artificial Intelligence and Machine Learning, Post Graduate Program in Analytics & Artificial Intelligence etc.

POPULAR CERTIFICATION COURSES IN AI & ML IN INDIA

Artificial Intelligence and Machine Learning Certification Course, Post Graduate Certification in Artificial Intelligence & Machine Learning, Advanced Certification Program in AI/ML, Certificate Course on Artificial Intelligence and Deep Learning etc.

COMMON ENTRANCE EXAMS FOR PURSUING AI AND ML COURSES IN INDIA

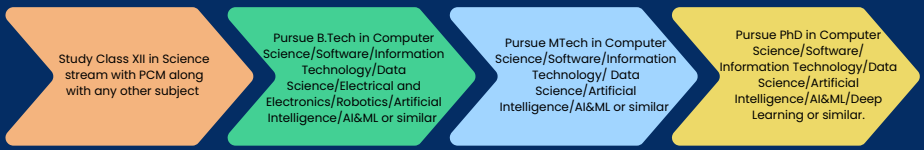
JEE Main, JEE Advanced, Chandigarh University CET, CUET-UG, Delhi University Entrance Test, BITSAT, BHU UET, VITEEE, SRMJEE, UPES Engineering Entrance Test, SIT Engineering Entrance Exam, WBJEE, Manipal Entrance Test (MET), KIITEE, GATE etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer AI & ML courses.*

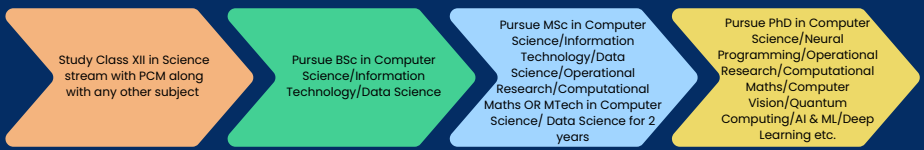
Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

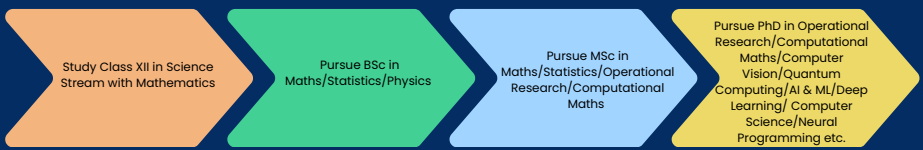
Study/Course Pathway 1:



Study/Course Pathway 2:



Study/Course Pathway 3:



Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree/diploma/ certificate course for advanced or specialized studies in AI & ML.*

Note: *There are some Colleges that may offer AI & ML related courses to candidates even from non-Science streams (i.e. Commerce and Humanities) if they had Maths as a subject in their Class 12. Having Computer Science as a subject in Class 12 may also help for college admission in AI & ML linked courses.*

Note: *For all Engineering courses in AI & ML/Data Science/Computer Science/IT/Software etc., students must have had Science (with Maths) in Class 12th.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AI & ML RELATED COURSES IN INDIA

- IITs - Multiple Campuses (Hyderabad, Guwahati, Roorkee, Bombay, Delhi etc.)
- Amity University – Noida, Chennai
- BITS Pilani - Pilani
- SRM Institute of Science and Technology - Chennai
- Chandigarh University - Chandigarh
- Malaviya National Institute of Technology - Jaipur
- Chennai Institute of Technology - Chennai
- DIT University - Dehradun
- Vellore Institute of Technology (VIT) – Vellore
- International Institute of Information Technology (IIIT) - Bangalore
- DY Patil International University - Pune
- UPES - Dehradun
- Symbiosis International University - Pune
- Indian Institute of Science (IISc) - Bangalore
- Lovely Professional University - Phagwara
- Delhi Technological University - Delhi
- NIT Surathkal - Surathkal (Mangalore)
- Parul University - Vadodara
- Bennett University – Greater Noida
- Amrita Vishwavidyapeetham - Coimbatore
- IIMs – Multiple Campuses

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Most institutions may conduct (or consider) entrance exams for admission to degree courses in AI & ML, which require a qualifying score for the student to get admitted in the college/university.*

Note: *Several good institutions in India such as the IIMs and IIIT-Bangalore etc. provide Diploma, Certificate, or Executive Programs in AI and ML, instead of or in addition to the degree programs.*

Note: *Top Online Platforms offering AI and ML Courses include Coursera, edX, upGrad, Simplilearn, Great Learning, Udemy, etc.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AI & ML RELATED COURSES IN ASSAM

- IIT Guwahati, Guwahati
- NIT Silchar, Silchar
- Royal Global University, Guwahati
- Tezpur University, Tezpur
- Dibrugarh University, Dibrugarh
- Assam Down Town University, Guwahati
- The Assam Kaziranga University, Kaziranga

Copyright © EnrichMyCareer

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Various institutions in Assam may conduct (or consider) entrance exams for admission to degree courses in AI & ML, which require qualifying scores for students to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE AI & ML RELATED COURSES

- MIT - USA
- University of Manchester - UK
- Harvard University - USA
- Imperial College London - UK
- University College Dublin - Ireland
- University of Southern California - USA
- King's College London - UK
- Queen's University - Canada
- Tsinghua University - China
- Illinois Institute of Technology - USA
- University of Birmingham - UK
- University of California, San Diego - USA
- University of Toronto - Canada
- Stanford University - USA
- Princeton University - USA
- Nanyang Technological University - Singapore
- Boston University - USA
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in AI & ML abroad, they will have to provide TOEFL/IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's programs, and GRE/GMAT scores for master's programs. Also required would be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Big Data Engineer, Machine Learning Engineer, Business Intelligence Developer, Data Scientist, Research Scientist, AI Data Analyst, AI Engineer, Robotics Scientist, AI Researcher, NLP Engineer, Computer Vision Engineer, Robotics Engineer, AI Product Manager, AI Ethicist, AI Software Developer, AI Hardware Engineer, AI Consultant, AI Educator, Cognitive Robotics Engineer, AI Cloud Architect, AI Cybersecurity Specialist, Reinforcement Learning Engineer, Business Intelligence Analyst, Deep Learning Engineer etc.

Copyright © EnrichMyCareer

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Organizations working in the space of Technology
- Fintech
- E-commerce
- Retail
- Healthcare and Pharmaceutical
- Autonomous Vehicle
- Cybersecurity
- Telecom
- Media and Entertainment
- Advertising and Marketing
- Manufacturing
- Logistics and Transportation
- Consulting and Professional Services
- Gaming
- Agriculture and Food
- Customer Service and CRM
- Robotics and Automation
- Home Automation and Smart Home Solutions
- Edtech and Online Education etc.

GOVERNMENT OR PUBLIC BODIES

- NITI Aayog
- Ministry of Electronics and Information Technology (MeitY)
- Centre for Development of Advanced Computing
- Centre for Artificial Intelligence and Robotics
- Indian Space Research Organisation
- Defence Research and Development Organisation
- Indian Council of Agricultural Research
- National Informatics Centre
- Central Bureau of Investigation
- National Payments Corporation of India
- Indian Council of Medical Research
- Indian Institutes of Technology
- Bhabha Atomic Research Centre
- Aeronautical Development Agency
- Council of Scientific and Industrial Research (CSIR) laboratories
- National Remote Sensing Centre
- National Cyber Coordination Centre etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Assam Start-up - The Nest
- Assam Remote Sensing Application Centre
- National Informatics Centre-Assam State Unit
- IIT-Guwahati
- Tezpur University
- NIT-Silchar
- North East Space Applications Centre
- Adani Power
- Intel
- Tata Elxsi
- Alegra Labs
- Olatus Systems
- Rhobotique Laboratory Pvt. Ltd.
- TechVariable etc.

IF SELF EMPLOYED/ENTREPRENEUR

AI Consulting Services, AI Product Development, AI Training and Education, AI Research and Development, AI Marketplace or Platform, AI-powered Startup, AI-based Data Annotation Services, AI-based Cybersecurity Solutions, AI-powered Analytics and Insights, AI-powered Creative Services, AI-powered Healthcare Solutions, AI-powered Recruitment and Talent Acquisition Solutions, AI-powered Environmental and Sustainability Solutions etc.

KEY SKILLS REQUIRED

Analytical Thinking, Problem-Solving Skills, Programming Skills, Critical Thinking, Attention to Detail, Communication Skills, Collaboration, Logical Reasoning, Time Management, Ethical Reasoning, Decision-Making, Data Handling skills, Mathematical & Statistical Knowhow, Empathy, Research Skills etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Entry-level (0-2 years' experience): These AI/ML professionals earn an annual salary of Rs. 4-8 lakhs.
- Early career (2-5 years' experience): These AI/ML professionals earn an annual salary of Rs. 8-15 lakhs.
- Mid-career (5-10 years' experience): These AI/ML professionals earn an annual salary of Rs. 15-30 lakhs.
- Experienced (10-15 years of experience): These highly experienced AI/ML professionals can command an annual salary ranging from Rs. 30-60 lakhs.
- Senior-level (15+ years of experience): These senior AI/ML professionals with extensive experience and leadership roles can earn an annual salary of Rs. 60 lakhs or more, depending on various factors.

Note: *Above salary ranges are indicative and can vary significantly based on factors such as the specific organization, industry, and location (metro cities generally offer higher salaries), and the individual's skillset, experience level, and qualifications. Moreover, specialized domains like computer vision, natural language processing, or deep learning can command higher salaries compared to general AI/ML roles.*

Note: *Professionals with advanced degrees (e.g. Ph.D.) or those working in cutting-edge research & development roles may also command higher salaries than the ranges mentioned above.*

TOP RECRUITERS

- Amazon
- Microsoft
- Salesforce
- IBM
- Nvidia
- Accenture
- TCS
- Infosys
- Wipro
- HCL Technologies
- Tech Mahindra
- Flipkart
- Adani Power

- Google
- Myntra
- Paytm
- Ubisoft
- Ola
- Uber
- Swiggy
- Zomato
- Byju's
- Fractal Analytics
- Reliance Industries
- Hotstar (Disney+ Hotstar)
- Samsung

- Apple
- MuSigma
- UpGrad
- GreyOrange
- Qure.ai
- Ather Energy
- Optum (UnitedHealth Group)
- Cargill
- Deloitte
- Siemens
- Novartis
- Shell

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of a prospective career in Artificial Intelligence (AI) and Machine Learning (ML) in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of AI & ML Career in India

- Educational Pathways: Degrees in computer science, data science, and specialized programs in AI & ML (B.Tech, M.Tech, Ph.D.), along with online courses and certifications (Coursera, edX, Udacity etc.).
- Diverse Roles: Roles include AI/ML engineers, data scientists, research scientists, software engineers, and AI consultants among others.
- Industry Adoption: AI & ML are being adopted across sectors such as IT, finance, healthcare, e-commerce, manufacturing, agriculture, education, and entertainment.
- Employment Opportunities: Available in tech companies, startups, research institutions, and diverse industries, and as consultants or freelancers.
- Skill Requirements: Proficiency in programming (Python, R), understanding of algorithms and data structures, experience with ML frameworks (TensorFlow, PyTorch), data analysis, and problem-solving skills.

2. Desired State of AI & ML Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in deep learning, natural language processing, computer vision, reinforcement learning, and big data technologies.
- Global Competency: Knowledge and skills that align with international industry standards and practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with rapid advancements in AI & ML technologies.
- Technological Proficiency: Proficiency in using state-of-the-art AI tools, cloud platforms (AWS, Google Cloud, Azure), and collaborative tools (Git, Docker).
- Ethical and Responsible AI: Integration of ethical AI practices, data privacy, and responsible AI development principles in training and practice.

Copyright © EnrichMyCareer

CAREER IN AVIATION

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN AVIATION

India's aviation industry is experiencing unprecedented growth, fueled by increasing air travel demand, expanding infrastructure, and government initiatives promoting the sector.

With a robust network of airports, airlines, and aviation-related services, the industry presents great prospects for those seeking a career in this dynamic field. From pilots navigating the skies to ground staff ensuring smooth operations, the aviation industry presents ample opportunities for passionate individuals to build rewarding careers.

As the industry continues to evolve and expand, the demand for skilled professionals will only continue to grow, making it an exciting and promising field for aspiring aviation enthusiasts.

Career Options in Aviation: Pilot, Aircraft Maintenance Engineering, Air Traffic Control, Aviation Security, Cabin Crew, Airport Operations Management, Aviation Management, Aircraft Design & Maintenance etc.

ELIGIBILITY CRITERIA TO BECOME A PILOT IN INDIA

- ☑ The minimum age to start flying training is 17 years, while the minimum age for a Commercial Pilot License (CPL) is 18 years.
- ☑ Applicants must have completed 10+2 with Physics and Maths, scoring at least 50%, to join a flying training facility. Additional educational requirements may vary between institutions.
- ☑ Non-science students can fulfill educational requirements through the National Institute of Open Schooling (NIOS) or as private candidates through state boards.
- ☑ Candidates must meet the Directorate General of Civil Aviation's (DGCA) medical fitness criteria, passing a medical test conducted by authorized aviation medical examiners.

- ☑ Pilots in India must undergo the DGCA English Language Proficiency Test (ELP) to assess their English communication skills.
- ☑ Height requirements: Minimum of 5ft 2in (157cm) and maximum of 6ft 3in (191cm).
- ☑ Both private pilot & commercial pilot licenses need practical training and completion of flying hours.
- ☑ A CPL requires a minimum of 250 hours of flying, including 60 hours from a Private Pilot License.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TYPES OF PILOTS

Private Pilot, Helicopter Pilot, Seaplane Pilot, Cargo Pilot, Airline Transport Pilot, Sports Pilot, Air Force Pilot, Drone Pilot etc.

TYPES OF PILOT LICENSES

Student Pilot License (SPL), Commercial Pilot License (CPL), Airline Transport Pilot License (ATPL) etc.

ELIGIBILITY CRITERIA TO BECOME AN AIR TRAFFIC CONTROLLER IN INDIA

- ☑ Candidates must have completed their 10+2 or equivalent examination with Physics and Maths as compulsory subjects from a recognized board or university.
- ☑ Some institutes or organizations may require a bachelor's degree in engineering, science, or a related field as preferred qualification.
- ☑ The minimum age to apply for ATC positions is usually 18 years, and individuals who are above 27 years of age are not eligible to apply.
- ☑ Many organizations conduct entrance examinations to assess the aptitude, reasoning ability, numerical ability, and English language proficiency of candidates.
- ☑ Examples of such entrance exams in India include Air Traffic Controller Entry Exam conducted by Airports Authority of India (AAI) and the entrance exam conducted by Indian Air Force (IAF) for ATC positions.

ELIGIBILITY CRITERIA TO BECOME AN AIRCRAFT MAINTENANCE ENGINEER IN INDIA

- ☑ Candidates must have scored a minimum of 45% marks in their 10+2 examination with Physics, Chemistry, and Maths as a combination.
- ☑ Candidates should be between 16 to 28 years old when seeking admission to the course.
- ☑ Candidates should not have color blindness or any physical disabilities. A medical certificate from a registered medical practitioner (with a minimum MBBS qualification) is required.
- ☑ Candidates eligible for B. Tech courses can also apply for the AME course.
- ☑ The AME course is not a regular degree or graduation, but a specialized licensing program focused on aviation maintenance engineering.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG DEGREES/COURSES IN AVIATION IN INDIA

B.Sc./B.Sc (Hons.)/B.E./B.Tech/BBA etc. in relevant domains such as Aviation, Aircraft Maintenance, Airport Management, Aviation Operations, Aviation Management, Aeronautical Science, Hospitality and Airline Catering Management, Aerospace/Aeronautical/Avionics Engineering etc.

POPULAR PG DEGREES/COURSES IN AVIATION IN INDIA

PG Diploma/MBA/M.Tech/M.E./M.Sc. etc. in relevant domains such as Aviation, Aviation Management, Aeronautical Science, Aerospace/Aeronautical/Avionics Engineering etc.

POPULAR DIPLOMA AND/OR CERTIFICATION COURSES IN AVIATION IN INDIA

Aviation/Airline and Airport Management/Aviation Safety and Hospitality/Cabin Crew and Ground Operations/Private Pilot License/ Commercial Pilot License/Aircraft Maintenance/ Airfare & Ticketing Management/Airport Familiarization and Security Management etc

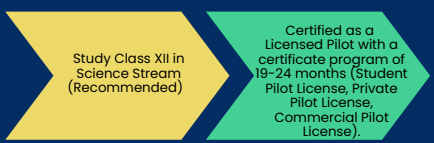
COMMON ENTRANCE EXAMS FOR PURSUING AVIATION COURSES IN INDIA

Student Pilot License Exam, IIA CET AME Entrance Exam, AFCAT, IGRUA, AME CEE, SSAT, NDA, CDSE, AAI JE ATC Exam, All India Aircraft Maintenance Engineering Examination (AIAMEE), All India AME Entrance Examination (AIAEE), JEE-AME, DGCA English Language Proficiency (ELP) Test etc.

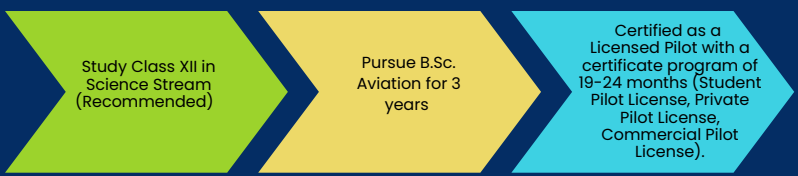
Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Aviation courses.*

EDUCATIONAL/CAREER PATHWAYS TO BECOME A PILOT (HOW TO PURSUE)

Study/Course Pathway 1:



Study/Course Pathway 2:



Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS TO BECOME AN AIR TRAFFIC CONTROLLER (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream → Pursue B.Tech. degree in any related fields like Mechanical/ Aeronautical etc. → Pursue MTech.

Study/Course Pathway 2:

Study Class XII in Science Stream → Pursue Bachelor of Science (B.Sc.) in Physics and Mathematics → Pursue Masters of Science (M.Sc.) in Physics and Maths.

Note: *: After B.Tech./M.Tech/BSc./M.Sc. etc., one can clear the AAI JE ATC Exam (i.e. the Air Traffic Controller Entry Exam conducted by the Airports Authority of India (AAI)), or the entrance exam conducted by the Indian Air Force (IAF) for ATC positions.*

EDUCATIONAL/CAREER PATHWAYS TO BECOME AN AIRCRAFT MAINTENANCE ENGINEER (HOW TO PURSUE)

Study/Course Pathway 1:

Class XII in Science Stream with minimum 45% marks in Chemistry, Physics and Maths → Aircraft Maintenance Engineering course approved by the DGCA (4-year license course with 2 years of theoretical and 2 years of practical training in the actual environment) → Clear the DGCA License Exams.

Study/Course Pathway 2:

Study Class XII in Science Stream → Pursue B.Sc. with Maths, Physics & Chemistry → Aircraft Maintenance Engineering training course approved by the DGCA and Clear the DGCA License Exam.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 3:

Study Class XII in Science Stream (with Physics, Chemistry, Maths) → Pursue 3-year Diploma in Engineering or 4-year B. Tech in any stream → Aircraft Maintenance Engineering training course approved by the DGCA and Clear the DGCA License Exam.

Study/Course Pathway 4:

Study Class XII in Science (with Physics, Chemistry, Maths) → Pursue B.E./B.Tech in Aeronautical Engineering → Clear the DGCA License Exam.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AVIATION COURSES IN INDIA

- Indira Gandhi Rashtriya Uran Academy (IGRUA) - Rai Bareilly
- National Flying Training Institute – Gondia
- Rajiv Gandhi Academy of Aviation Technology - Kerala
- Bombay Flying Club - Mumbai
- Flying Training Institute - Kolkata
- Indira Gandhi Institute of Aeronautics - Pune and Chandigarh
- Hindustan Institute of Technology and Science - Chennai
- IIT - Delhi/Bombay

- Wingsss College of Aviation and Technology - Pune
- Ahmedabad Aviation & Aeronautics Ltd. - Ahmedabad
- School of Aviation Science & Technology, Delhi Flying Club Ltd. - New Delhi
- Institute Of Aircraft Maintenance Engineering - Gorakhpur
- Jawaharlal Aviation Institute (JAI) - Mumbai
- Bhubaneswar Engineering College - Odisha
- Alpine Institute of Aeronautics - Dehradun

- Hindustan Aviation Academy - Bangalore
- Government Aviation Training Institute (GATI) – Bhubaneswar/New Delhi
- Banasthali Vidyapith Gliding & Flying Club (BVGFC) - Rajasthan
- Orient Flights Aviation Academy - Mysore
- NMIMS Academy of Aviation - Shirpur
- Flytech Aviation Academy - Hyderabad
- Skybird Aviation – Bangalore/Hyderabad
- Amber Aviation Academy – Bangalore
- Birla Institute of Technology - Pilani

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Aviation which may require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING AVIATION COURSES IN ASSAM

- Assam Don Bosco University - Guwahati
- Jettwings Business School, Guwahati
- CEC, Guwahati
- Dibrugarh University - Dibrugarh
- Jettwings School of Aviation, Kamrup
- Assam Flying Club, Guwahati
- College of Aeronautical Engineering (A Unit of GIET University), Guwahati
- Frankfinn Institute of Air Hostess Training – FIAT, Guwahati
- Aptech Aviation Academy, Guwahati
- Bird Aviation Academy, Guwahati
- Indian Institute of Aeronautical Engineering and Information Technology, Tezpur
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Aviation, which may require qualifying scores from students to get admission in the institutions.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE AVIATION COURSES

- CAE Oxford Aviation Academy - UK
- CTC Wings - UK
- Flight Safety Academy - USA
- International Aviation Academy of New Zealand - New Zealand
- Aeroism Flight Academy - USA
- Purdue University - USA
- University of North Dakota - USA
- Spartan College of Aeronautics and Technology: USA
- Massachusetts Institute of Technology - USA
- University of Toronto - Canada
- Delft University of Technology - Netherlands
- University of Sydney - Australia
- Cranfield University - UK
- Arizona State University - USA
- RMIT University - Australia
- University of the Fraser Valley - Canada
- IU International University of Applied Sciences - Germany
- The University of Melbourne - Australia
- Ohio State University - USA
- Dublin City University - Ireland
- San Jose State University - USA
- Embry Riddle Aeronautical University - USA
- Heroism Flight Academy: USA
- Singapore Flying College - Singapore

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree or professional program in aviation abroad, they may have to provide English proficiency test scores of TOEFL/IELTS for English language proficiency, and SAT/ACT or other test scores for bachelor's level programs and GRE/GMAT or other test scores for master's level programs. Also, they may have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Air Station Manager, Air Traffic Control Manager, Air Traffic Controller, Aircraft Dispatcher, Airline Executive, Airport Operation Manager, Airport Terminal Office Manager, Cabin Crew, Aviation Line Technician, Air Traffic Controller, Cargo Manager, Service Maintenance Engineer, Flight Test Engineer, Corporate Pilot, Cargo Pilot, Medical & Air Ambulance Pilot, Astronaut, Space Pilot, Trainee AME, Junior AME, AME (General), Senior AME, AME (Specialized - Avionics/Engines/Structures), Aviation Maintenance Manager, Tower Controller, Commercial Pilot, Area Controller, Charter Pilot, Airline First Officer, Airline Captain, Helicopter Pilot, Bush Pilot, Agricultural Pilot, Flight Instructor, Flight Attendant, Aircraft Manufacturing Engineer, Aviation Maintenance Technician, Quality Control Personnel, Ground Staff, Air Ticketing Staff, Aerospace Engineer, Assistant Technical Officer, Mechanical Design Engineer etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Airport Terminals
- Airport Management Companies
- Aircraft Manufacturing and Maintenance Firms
- Aviation Training Institutes
- Aviation Consulting & Services Firms
- Aerospace Engineering & Research Organizations
- Charter and Business Aviation Companies
- Aviation Finance & Insurance Companies
- Aircraft Leasing and Sales Companies
- Aviation Software & Technology Providers
- Aviation Logistics & Supply Chain Companies
- Aviation Media & Publications
- Aerial Survey & Mapping Companies
- Flight Simulation & Training Centers
- Airlines
- Aviation Startups
- Entrepreneurial Ventures

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Directorate General of Civil Aviation
- Hindustan Aeronautics Limited
- Airports Authority of India
- Indian Air Force (IAF)
- Indian Space Research Organization
- Indian Navy
- Directorate General of Foreign Trade
- Bureau of Civil Aviation Security
- Ministry of Civil Aviation
- Airport Economic Regulatory Authority of India
- Indian Meteorological Department
- National Aerospace Laboratories
- Defence Research & Development Organization
- Ministry of Defence
- Indian Engineering Services
- Indian Institute of Astrophysics
- Indian Institute of Science
- Aerospace & Aviation Sector Skill Council
- NASA (in USA)

IN ASSAM

- Aimfill International Aviation Services
- Cesta Enterprise
- Dgito Technical Training Services
- Skytech Aviation Service
- Assam Flying Club
- Aviation Indeed
- Skillup Aviation
- Big Charter
- AirIndia Airways
- Akasa Airlines
- Vistara Airlines
- Indigo Airlines
- Skyway Group of Business
- SpiceJet Airlines
- Air Asia Airlines

- Security & Intelligence Services (India)
- Adani Group
- Guwahati International Airport Ltd.
- Lokpriya Gopinath Bordoloi International Airport
- Assam Aviation Division
- Assam Police – Aviation Wing
- Airports Authority of India
- Directorate General of Civil Aviation
- National Disaster Response Force
- Other Govt. depts./public bodies in Assam etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Aviation Consultancy Firm, Aircraft Maintenance & Repair Services, Aviation Technology Startup, Aircraft Charter & Rental Services, Flight Training School, Aviation Tourism & Adventure, Aircraft Sales & Brokerage Firm, Airport Ground Handling Services, Aviation Safety & Security Solutions, Aviation Logistics Management, Aviation Events/Expos, Aviation Media & Publications Firm etc.

KEY SKILLS REQUIRED

Time Management, Adaptability, Decision-making, Problem Solving, Eye-hand Coordination, Observation, Attention to Detail, Multitasking, Analytical, Emotional stability, Communication skills, Leadership, Interpersonal Skills, Teamwork, Discipline, Stress Management, Presence of mind, Confidence, Patience, Flexibility, Resilience, Critical Thinking, Physical Fitness, etc.

REMUNERATION/SALARY (INDICATIVE)

- Aircraft Maintenance Engineer (AME): Entry-level AMEs: Rs. 3,00,000 to 6,00,000 per annum. Experienced AMEs: Rs. 6,00,000 to 15,00,000 per annum.
- Airline Pilots (Commercial Pilots): Entry-level First Officers: Rs. 5,00,000 to 10,00,000 per annum. Experienced Captains: Rs. 15,00,000 to 40,00,000 per annum.
- Air Traffic Controllers (ATCs): Trainee ATCs: Rs. 3,00,000 to 6,00,000 per annum. Experienced ATCs: Rs. 6,00,000 to 15,00,000 per annum.
- Aviation Managers/Administrators: Entry-level Managers: Rs. 4,00,000 to 8,00,000 per annum. Mid-level Managers: Rs. 8,00,000 to 15,00,000 per annum. Senior Managers/Directors: Rs. 15,00,000 to 50,00,000+ per annum.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- Ground Staff/Customer Service Representatives: Entry-level positions: Rs. 2,00,000 to 4,00,000 per annum. Supervisory/Team Leader roles: Rs. 4,00,000 to 8,00,000 per annum.
- Aircraft Technicians/Engineers: Entry-level Technicians: Rs. 2,00,000 to 4,00,000 per annum. Experienced Engineers: Rs. 4,00,000 to 10,00,000 per annum.
- Aviation Security Officers: Entry-level Security Officers: Rs. 2,00,000 to 4,00,000 per annum. Experienced Supervisors/Managers: Rs. 4,00,000 to 8,00,000 per annum.
- Flight Attendants/Cabin Crew: Entry-level positions: Rs. 2,00,000 to 4,00,000 per annum. Senior Cabin Crew/In-flight Managers: Rs. 4,00,000 to 10,00,000 per annum.

Note: *The above salaries are indicative and can vary based on industry, location, company, and individual skills, experience, & qualifications. Further, salaries may also include bonuses, incentives, and benefits.*

TOP RECRUITERS

- Air Asia
- Air India Express
- Air India Charters Ltd
- Alliance Air
- Mahindra Aerospace
- IndiGo
- Spice Jet
- Vistara
- Akasa Air
- Delhi International Airport Limited (DIAL)
- Boeing India

- Hindustan Aviation Academy
- Blue Dart Aviation
- Airbus India
- Air India Engineering Services Limited
- Aryan Cargo Express
- Tata Advanced Systems Limited
- Airbnb
- GMR Airports Infrastructure Limited

- Mumbai International Airport Limited (MIAL)
- Kempegowda International Airport Bengaluru (KIAB)
- Airports Authority of India (AAI)
- Indian Air Force (IAF)
- Indian Navy
- Bombay Flying Club
- National Flying Training Institute

- Hindustan Aeronautics Limited
- SpiceJet Technic
- Defence Research and Development Organisation
- Indian Space Research Organisation
- Directorate General of Civil Aviation

- Air Works
- FedEx India
- Genser Aerospace & IT Private Limited
- UAV Services & Aircraft Design
- Rolls Royce
- Dhruva Space
- Bellatrix Aerospace
- Earth2orbit
- Exseed Space

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Aviation in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Aviation Career in India

- Educational Pathways: Degrees and certifications in aviation (B.Sc. in Aviation, BBA in Aviation Management, pilot training, aircraft maintenance engineering). Institutes include government and private aviation academies, flying schools, and universities.
- Diverse Roles: Roles include commercial pilots, cabin crew, air traffic controllers, aircraft maintenance engineers, aviation management professionals, and ground staff.
- Regulatory Framework: The Directorate General of Civil Aviation (DGCA) regulates aviation safety, certification, and training standards.
- Employment Opportunities: Available in airlines, airport management, aviation maintenance companies, government aviation departments, and as consultants or freelancers.
- Skill Requirements: Technical knowledge, safety compliance, communication skills, problem-solving, and understanding of aviation regulations.

2. Desired State of Aviation Career in India

- Advanced Skill Sets: Professionals should possess skills in advanced aviation technologies, aviation safety management, customer service excellence, and aviation law.
- Global Competency: Knowledge and skills that align with international aviation standards and practices to ensure global competitiveness
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in aviation technologies and methods
- Technological Proficiency: Proficiency in using digital tools for flight simulation, aircraft maintenance management, air traffic control systems, and customer service platforms.
- Sustainable Aviation Practices: Integration of sustainable practices, environmental awareness, and efficient resource management in aviation operations.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN BANKING

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN BANKING

ABanking is all about handling money and helping people and businesses make the most of their finances. It's a field that's essential to how our economy works. Beyond just managing money, banking jobs also involve maintaining stability in fluctuating economic conditions. Bankers facilitate transactions, manage investments, and provide advice to individuals and businesses alike.

Given the significance of banks in today's economy, there's a constant need for skilled individuals. Landing a job in a bank right after graduating can be a viable option, and obtaining additional qualifications can lead to even better pay and growth opportunities. Also, with experience and expertise, you can climb the career ladder to higher-paying positions.

What makes banking exciting is its ever-changing nature. New technologies (or digitization), evolving regulations, and shifting market trends keep things dynamic, presenting ample opportunities for growth & specialization.

However, the most rewarding aspect of a career in banking is the opportunity to make a positive impact on people's lives such as assisting a family in purchasing their first home, supporting a small business owner in achieving their dreams, or guiding someone towards financial stability, among others.

So, if you're passionate about numbers, enjoy working with people, and are eager to help others achieve their financial goals, consider pursuing a career in banking.

Different Types of Banking: Retail banking, Business Banking, Corporate Banking, Private Banking, Investment Banking, Digital Banking, Microfinance Banking, Islamic Banking, Cooperative Banking, Development Banking etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING BANKING IN INDIA

- ☑ Students must have finished their class 12th or the equivalent from a recognized school board with a minimum aggregate of 50% - 60% or higher to enroll in undergraduate (UG) banking courses.
- ☑ Students must have graduated or have earned an equivalent degree from a recognized institution with a minimum overall score of 55% to 60% to enroll in postgraduate (PG) banking courses.
- ☑ Students aiming for certification courses in banking must have earned their class 12th grade diploma or its equivalent from an accredited school board.
- ☑ For banking diploma and postgraduate diploma programs, students should have completed their undergraduate degree from an Indian university with an overall average of at least 50%.
- ☑ Students must pass bank PO examinations or other bank exams conducted by private/public banks to enroll in banking courses provided by the government or commercial banks.

Note: *The age limit to appear for clerical bank exams is 18-28 years; for Bank PO Exams it is 21-26 years*

Copyright © EnrichMyCareer

POPULAR UG DEGREES/COURSES IN BANKING IN INDIA

BBA/BBA(Hons)/BCom/ BSc/ BSc(Hons)/BA and B.Voc in domains of Banking, Finance, Insurance, Economics etc.

POPULAR PG DEGREES/DIPLOMAS/CERTIFICATE COURSES IN BANKING IN INDIA

M.Com/M.Sc./MBA/MA/M.Voc, Master of Law; Post Graduation Diploma/Certificate etc. in domains of Banking, Finance, Insurance, Economics, Stocks, etc. and professional certifications such as Chartered Financial Analyst (CFA); Certified Financial Planner (CFP); Financial Risk Manager (FRM) etc.

POPULAR PH.D PROGRAMS IN BANKING IN INDIA

PhD in Banking and Finance/Business Administration – Banking and Finance etc.

POPULAR DIPLOMA/CERTIFICATE COURSES IN BANKING IN INDIA

Banking/Commercial Banking/ Banking & Finance Management/Banking Services Management/Retail Banking/Rural Banking etc.

Note: *For any banking jobs offered by private or government banks, students must qualify in bank PO exams or other bank exams organized by private or public banks.*
For some courses, completion of commerce with mathematics in the 12th standard is a must.

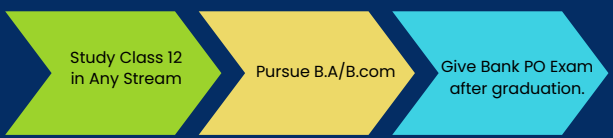
COMMON ENTRANCE EXAMS FOR PURSUING BANKING RELATED COURSES IN INDIA

IBPS PO, SBI PO, IBPS RRB, IBPS SO, SBI SO, IBPS Clerk, RBI Grade B, RBI Assistant, NABARD Grade A, SBI Clerk, ICICI PO, CAT, MAT, SET, CUET PG, UGAT, NPAT, JET, BUMAT, MAH-CET, KMAT, etc.

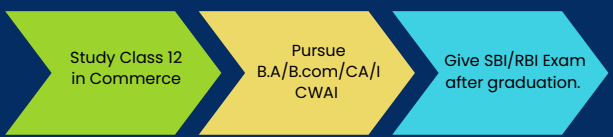
Note: *The above list of Entrance Exams is not exhaustive. Many private banks such as HDFC, ICICI, etc. conduct their own entrance exams. There may be few other private and/or government exams conducted by different authorities in India that offer Banking courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

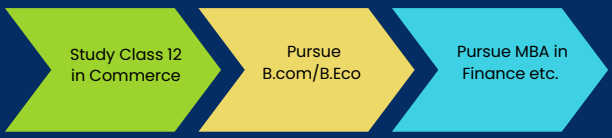


Study/Course Pathway 2:



Copyright © EnrichMyCareer

Study/Course Pathway 3:



Study/Course Pathway 4:

Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree or certificate/diploma programs for advanced or specialized studies.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING BANKING RELATED COURSES IN INDIA

- Jamia Millia Islamia University - New Delhi
- IIMs - Indore/Ahmedabad/Bangalore etc
- Chandigarh University - Chandigarh
- Alliance University - Bangalore
- Goa Institute of Management - Goa
- National Institute of Security Markets - Mumbai
- NIIT University - Neemrana

- Faculty of Management Studies - Delhi
- Narsee Monjee Institute of Management Studies - Mumbai
- Amity University - Noida
- Indian School of Business - Hyderabad
- Christ University - Bangalore
- Loyola College - Chennai
- St. Joseph's College of Commerce: Bangalore

- Shaheed Sukhdev College of Business Studies - New Delhi
- Management Development Institute - Gurgaon
- Sri Guru Gobind Singh College of Commerce - Delhi
- IITs – Kharagpur/Madras/Delhi etc.
- Indian School of Business Management and Administration - Mumbai
- University of Delhi - New Delhi

- SP Jain Institute of Management and Research - Mumbai
- Xavier's Institute of Management - Jamshedpur
- Banaras Hindu University - Varanasi
- University of Mumbai - Mumbai
- Savitribai Phule Pune University - Pune
- National Institute of Bank Management: Pune

Copyright © EnrichMyCareer

- Institute of Finance, Banking, and Insurance - Ahmedabad
- Symbiosis College of Arts & Commerce - Pune
- K J Somaiya College of Arts & Commerce - Mumbai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams for degree courses related to Banking, which require a good or qualifying score for the student to get admitted in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING BANKING RELATED COURSES IN ASSAM

- K.C. Das Commerce College
- Gauhati Commerce College
- Dakshin Kamrup College, Mirza
- Raha College, Nagaon
- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- Assam University, Silchar

- Bodoland University, Kokrajhar
- Assam Don Bosco University, Guwahati
- Assam Down Town University, Guwahati
- Kaziranga University, Jorhat
- Sikkim Manipal University, Assam campus
- National Institute of Banking Studies and Corporate Management, Guwahati

- Krishna Kanta Handique State Open University, Guwahati
- Indian Institute of Banking & Finance, Guwahati
- Tezpur University, Tezpur
- Cotton University, Guwahati
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams for degree courses related to Banking, which require a good or qualifying score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE BANKING RELATED COURSES

- Bangor University - UK
- Monash University - Australia
- Nottingham University Business School - UK
- Middlesex University - Dubai, UAE
- University of Dundee - UK
- Cardiff University- UK
- London Metropolitan University - UK
- EU Business School - Switzerland/Spain
- London Business School - UK
- MIT Sloan School of ManagemenT - USA
- IE Business School - Spain
- HEC Paris - France
- University of California - Los Angeles
- Anderson School of Management- USA
- University of Oxford Said Business School - UK
- Esade Business School - Spain
- Haas School of Business - University of California, Berkeley - USA
- ESSEC Business School - France
- Judge Business School - University of Cambridge - UK
- Columbia University - USA
- Yorkville University - Canada
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Banking abroad, they will have to provide English proficiency test scores of TOEFL/IELTS along with SAT or relevant banking entrance exam score for bachelor's courses, and GMAT/GRE scores or relevant banking entrance exam scores for master's courses. Also, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Bank Manager, Probationary Officer (PO), Accountant, Bank Administrator, Investment Banker, Bank Teller, Merchant Banker, Credit Analyst, Financial Clerk, Commercial Banking Officer, Auditor, Financial Advisor, Bank Marketing Manager, Bank Clerk, Banking Associate, Loan Officer, Wealth Manager, Marketing Analyst, Account Clerk, Loan Clerk, Bank Specialist Officers, RBI Assistant, NABARD Development Assistant, Financial Manager, Financial Analyst, Budget Analyst, Banking Officer, Micro Finance Professionals, Credit Checkers and Authorizers, Broker, Depository participant & registrar for depository operations, Auditor, Bank Relationship Manager, Foreign Exchange Trader, Asset Manager, Customer Service Executive, Securities Analyst, Recovery Agent, Underwriter, Compliance Officer etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Private Banks
- Commercial Banks
- Credit Management Firms
- Trade Finance Firms
- Investment Banking Firms
- Insurance Companies
- Consulting Firms
- Financial Management Firms
- Wealth Management Firms
- Auditing Departments
- Corporate Banking Firms
- Law Firms
- Private Corporations
- Boutique Investment Banks
- Non-Banking Financial Companies (NBFCs)
- Financial Technology (Fintech) Companies
- Asset Management Companies (AMCs)
- Rating Agencies
- Real Estate Companies,
- Educational Institutions etc.

GOVERNMENT OR PUBLIC BODIES

- ·Public Sector Banks
- Department of Statistics and Information Management
- Department of Economic Policy and Research
- Union Public Service Commission
- State Public Service Commissions
- Reserve Bank of India
- Insurance Regulatory and Development Authority of India (IRDAI)
- Securities and Exchange Board of India
- National Bank for Agriculture and Rural Development (NABARD)
- Export-Import Bank of India (EXIM Bank)
- Ministry of Finance, National Payments Corporation of India
- Regional Rural Banks
- Small Industries Development Bank of India
- National Housing Bank
- National Securities Depository Limited (NSDL),
- National Stock Exchange (NSE)
- Educational Institutions/Universities etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- ICICI Bank
- HDFC Bank
- Kotak Mahindra Bank
- Standard Chartered Bank
- Axis Bank
- Bajaj Finance
- L&T Finance
- Protium
- Kissht
- Muthoot Fincorp Ltd
- Birla Sun Life Insurance
- Motiwal Oswal Financial Services
- FinEdge Services
- Sapient Wealth Advisors & Brokers
- Assam Down Town University

- Assam Don Bosco University
- Indian Institute of Bank Management (IIBM)
- SBI
- PNB
- Indian Bank
- India Overseas Bank
- Assam Gramin Vikash Bank
- North East Small Finance Bank Ltd.
- Assam Financial Corporation
- Gauhati University
- Dibrugarh University
- Others

IF SELF EMPLOYED/ENTREPRENEUR

Personal banker for high net-worth people, Mutual Fund advisor & distributor, Financial Consultancy Firms, Fintech Startup, Wealth Management Firm, Microfinance Institution, Credit Counseling Firms, Insurance Agency, Loan Origination Platform, Digital Banking Solutions etc.

KEY SKILLS REQUIRED

Communication Skills, Customer Service, Customer Satisfaction, Negotiation Skills, Financial Aptitude, Logical Skills, Problem Solving, Leadership, Teamwork, Interpersonal Skills, Analytical Skills, Critical Thinking, Patience, Attention to Details, Resilience, Time Management, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Individuals who are freshers earn an annual average salary of 1.80 lakhs.
- Individuals with a work experience of 1 - 5 years earn an annual average salary of 3.50 lakhs.
- Individuals with a work experience of 6 – 10 years earn an annual average salary of 9.50 lakhs.
- Individuals with a work experience of 10 – 15 years earn an annual average salary of 13 lakhs.
- Individuals with a work experience of 15+ years earn an annual average salary of 16.50+ lakhs.

Note: *The above salaries are indicative and can vary based on industry, location, company, and individual skills, experience, & qualifications. Further, salaries may also include bonuses, incentives, and benefits.*

TOP RECRUITERS

- Central Bank of India
- SBI
- RBI
- Indian Bank
- Bank of India
- Bank of Baroda
- Yes Bank
- Axis Bank
- Punjab National Bank
- ICICI Bank
- HDFC Bank
- Indian Overseas Bank

- NABARD
- LIC Housing Finance
- Federal Bank
- Airtel Payment Bank
- National Housing Bank
- Andhra Bank
- Bank of Maharashtra
- IDFC First Bank
- IDBI Bank
- J.P. Morgan
- Goldman Sachs
- Bandhan Bank

- AU Small Finance Bank
- Morgan Stanley
- American Express
- Deutsche Bank
- Merrill Lynch
- SEBI
- Canara Bank
- Genpact
- Credit Suisse
- Others

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of banking jobs in India involves examining the discrepancies between the current state of the banking workforce and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Banking Workforce in India

- High Demand: There is a substantial demand for banking professionals due to the expanding banking sector and government initiatives promoting financial inclusion.
- Public and Private Sector Jobs: Jobs are available in both public sector banks (PSBs) and private sector banks, with a range of roles from clerical positions to management and specialized roles.
- Technological Integration: Increased adoption of digital banking and financial technologies.

2. Desired State of Banking Workforce in India

- Advanced Technological Skills: Proficiency in digital banking, fintech, cybersecurity, and data analytics.
- Customer-Centric Approach: Strong customer service skills to enhance customer experience.
- Regulatory Knowledge: In-depth understanding of regulatory requirements and compliance.
- Risk Management Expertise: Enhanced skills in managing financial and operational risks.
- Leadership and Soft Skills: Improved leadership, communication, and interpersonal skills.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN BOTANY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN BOTANY

Botany is a fascinating branch of biology that encompasses the scientific study of plants, their physiology, structure, classification, genetics, distribution, economic importance, and ecology. In fact, it extends beyond just flowering plants to include algae, fungi, ferns, mosses, and other plant-like organisms.

In India, the scope for botanists is promising due to the country's rich biodiversity and environmental challenges. Botanists research the development, reproduction, functioning, and interactions of plants with their surroundings and other living things. They are experts in plant taxonomy, plant physiology, ecology as well as chemical biology of a plant. They carry out fieldwork and research, analyze data, and may give lectures or create papers on their results.

On one hand considering that India is a biodiversity hotspot having a wealth of medicinal plants, while on the other hand considering India's large agricultural, forestry, and environmental conservation needs, botanists undoubtedly have an important role to play.

Botany is not only about studying plants; it's about unraveling the secrets of life on Earth. Whether you are fascinated by plant adaptations, ecological systems, or plant-based medicines, a career in Botany can be both rewarding and impactful. So, if you are passionate about nature and curious about the green world, you can consider exploring Botany as your career choice.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING BOTANY IN INDIA

- ☑ For Bachelor of Science in Botany (BSc Botany): Pass 10+2 examinations with aggregate marks of 55% from a recognized board, and must have Physics, Chemistry, and Biology as compulsory subjects in Class 12th. Also, some colleges may require candidates to clear some entrance exams.
- ☑ For Master of Science in Botany (MSc Botany): Candidates having relevant undergraduate (UG) degree with 50-55% marks and/or good scores in entrance exams conducted by institutes or bodies.
- ☑ For Doctoral Degree in Botany (MPhil or PhD): Candidates having a relevant master's degree and at least 50% marks in their master's degree. Good scores in entrance exams may also be required.

POPULAR UNDERGRADUATE (UG) DEGREES IN BOTANY IN INDIA

BSc/BSc (Hons) in Botany/Botany and Etymology/Botany and Genetics/Botany and Microbiology/Botany and Zoology/Botany and Plant Pathology/Plant Biotechnology/Chemistry and Botany etc.

POPULAR POSTGRADUATE (PG) DEGREES IN BOTANY IN INDIA

MSc. in Botany/Ecology/Biochemistry/Marine Science/Plant Biotechnology etc.;
and Master of Agricultural Resources & Management etc.

Note: *M.Phil (1-2 years' degree) or PhD (3-5 years' degree) can be pursued if the student or candidate wants to pursue a research-oriented or academic-oriented career in Botany.*

Note: *All the UG Courses in Botany are of 3 – 4 years duration. All the PG Courses in Botany are generally of 2 years duration.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

COMMON ENTRANCE EXAMS FOR PURSUING BOTANY COURSES IN INDIA

BIT-SAT, MHT-CET, WB-JEE, ICAR AIEE, KCET, TS EAMCET, MP PAT, AMU EE, KEAM, CUET etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Botany courses.*

Note: *Individual colleges might conduct entrance exams for admission, but most colleges do not have an entrance exam for the UG degree in Botany.*

Note: *In India, colleges and universities accept AUCET, SVUCET, PUCAT, DUET, BHU PET, TUEE, CUET, and LPU NEST entrance exams scores for admission to MSc in Botany courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream with Biology → Pursue BSc/BSc(Hons) Botany OR BSc/BSc (Hons) Biological Sciences OR BSc/BSc (Hons) Life Sciences OR BSc/BSc (Hons) Environmental Science → Pursue M.Sc. Botany or M.Sc. in Life Sciences → Pursue MPhil or PhD OR Take up a job.

Study/Course Pathway 2:

Study Class XII in Science Stream with Biology → Pursue B.Sc./BSc.(Hons) Botany OR B.Sc./BSc.(Hons) Biological Sciences OR B.Sc./BSc.(Hons) Life Sciences OR B.Sc./BSc. (Hons) Environmental Science → Pursue Diploma/PG Diploma in Botany/Life Sciences OR Take up a job.

Note: *After the completion of UG or Bachelor's degree, the candidate can either apply for relevant entry-level jobs based on their skills and interest, or they can opt for a PG degree/diploma course for advanced or specialized studies related to Botany.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING BOTANY COURSES IN INDIA

- St. Xavier's College, Mumbai
- Banaras Hindu University, Varanasi
- Hansraj College, New Delhi
- Loyola College, Chennai
- Shoolini University, Solan
- Kirori Mal College, New Delhi
- Christ University, Bengaluru
- Calcutta University, Kolkata
- IISER, Pune
- Hindu College, New Delhi
- Mount Carmel College, Bengaluru
- Panjab University, Chandigarh
- Miranda House, New Delhi
- Aligarh Muslim University, Aligarh
- Ramjas College, New Delhi
- Lovely Professional University, Phagwara
- PSG College of Arts & Science, Coimbatore
- Fergusson College, Pune
- TIFR, Mumbai
- Bharathidasan University, Tiruchirappalli

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Botany, which may require qualifying scores from students to get admission in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING BOTANY COURSES IN ASSAM

- Assam University, Silchar
- Tezpur University, Tezpur
- Dibrugarh University, Dibrugarh
- Cotton University, Guwahati
- Nowgong College, Nagaon
- Gauhati University, Guwahati
- Handique Girls' College, Guwahati
- B Borooah College, Guwahati
- Arya Vidyapeeth College, Guwahati
- Royal Global University, Guwahati
- Assam Don Bosco University, Guwahati
- Assam Down Town University, Guwahati
- Bodoland University, Kokrajhar
- Dhemaji College, Dhemaji
- Tinsukia College, Tinsukia
- Mangaldai College, Mangaldai
- Rangia College, Rangia
- Nalbari College, Nalbari
- Goalpara College, Goalpara
- Darrang College, Darrang

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Botany, which may require qualifying scores from students to get admission in the college/university.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE BOTANY COURSES

- Cornell University, USA
- University of Toronto, Canada
- University of Oxford, UK
- ETH Zurich, Switzerland
- University of Cambridge, UK
- Massachusetts Institute of Technology, USA
- Harvard University, USA
- University College Dublin, Ireland
- Uppsala University, Sweden
- University of California - Davis, USA
- University of Florida, USA
- Ghent University, Belgium
- Wageningen University, Netherlands
- University of Copenhagen, Denmark
- University College London, UK
- University of Tokyo, Japan

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Botany abroad, they will have to provide TOEFL/IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's programs, and GRE scores for master's programs. Also required would be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Botanist, Plant Scientist, Researcher, Teacher/Professor, Taxonomist, Naturalist, Biotechnologist (for plants), Plant Geneticist, Horticulturist, Nursery Manager, Environmental Consultant, Specialist in Medicinal & Aromatic Plants/Ayurveda, Forester, Agronomist, Ecologist, Morphologist, Florist, Plant Biochemist, Cytologist, Plant Protection Specialist, Plant Pathologist, Plant Physiologist, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Biotechnology Firms
- Landscape Industries
- Environmental Consultancies
- Agriculture or Horticulture Consultancy Firms
- Food Companies
- Seed Companies
- Private Colleges
- Research Institutes
- Plantation or Plant-based Industries
- Agrochemicals & Fertilizer Companies
- Coaching Academies
- Pharmaceutical Companies
- Agri-Product Companies
- Nursery Farms etc.

GOVERNMENT OR PUBLIC BODIES

- Indian Forest Services
- Botanical Survey of India
- Central Council for Research in Homeopathy
- Union Public Service Commission
- Wildlife Institute of India
- Public/Government Colleges
- Research Institutes [e.g. Central Institute of Medicinal & Aromatic Plants (CIMAP, Lucknow), Central Research Institute for Jute & Allied Fibers etc.]
- Commodity Boards (such as National Horticulture Board, Spice Board of India, Tea Board, etc.)
- National Bamboo Mission
- Natural Resource Centres
- Museums
- Parks
- Indian Council of Agricultural Research
- Environmental Regulatory Agencies
- Botanical Gardens etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Nurseries
- Academic Institutions (e.g. Gauhati University, Assam Agricultural University, IIT Guwahati, Cotton University, Royal Global University etc.)
- Tissue Culture or Biotech Companies (e.g. Chroma Biotech LLP, Dibrugarh)
- Research Organizations/Bodies [e.g. Indian Council of Agriculture Research (Barapani), Gauhati Bio-tech Park, Assam Science Technology & Environmental Council (Guwahati), Tocklai-Tea Research Association (Jorhat), Defence Research Laboratory (Tezpur), Botanical Society of Assam, Rain Forest Research Institute (Jorhat)]
- State Govt. Organizations/Bodies [e.g. Horticulture Dept., Agriculture Dept., Forest Dept., ARIAS Society (Guwahati), Assam Seeds Corporation etc.]
- Plant Protection, Agrochemicals & Fertilizer Companies
- Food/Seed/Spices Companies
- Ayurvedic/Herbal products Organizations (e.g.Patanjali)
- Plantation Industries (tea, rubber, jute etc.)
- Other Plant-based Industries (e.g. areca nut, bamboo, coconut, etc.)
- Pharma Companies
- Relevant Consultancy Firms etc.

IF SELF EMPLOYED/ENTREPRENEUR

Botanist, Organic Farmer, Natural Farmer, Botanical or Environmental Consultant, Tea Garden or Tea Brand Owner, Biotech Firm Owner/Founder, Owner/Promoter of Academic or Research Institute, Dealer/Distributor/Producer of Plantation or Cash Crops (Tea, Rubber, Jute etc.), Founder or Promoter of Food/Seed/Agri-product Company (i.e. Agripreneur or Foodpreneur), Nursery Owner, Pharma Company Promoter, Lab Owner/Franchisee etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

KEY SKILLS REQUIRED

Research, Observation, Critical & Analytical Thinking, Scientific temperament, Attention to detail, Problem-solving, Teamwork, Communication, Patience etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-level positions: Botanist salary at entry-level positions typically range between Rs. 2.8 - 4.5 lakhs per annum.
- Mid-level positions: A Botanist in a mid-level position (with 3-7 years of experience) earns a salary of Rs. 4.5 - 7 lakhs per year.
- Senior-level positions: A Botanist in a senior-level role (with 8+ years of experience) earns a salary of Rs. 7.5 - 20+ lakhs annually.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, and experience, and the job profile, organization, location, and market conditions.*

TOP RECRUITERS

- Novartis
- ITC
- BASF
- Pfizer
- Rainforest Research Institute
- Bayer
- The Acharya Jagadish Chandra Bose Indian Botanic Garden
- Syngenta

- Anand Agricultural University
- Pioneer
- Genentech
- Johnson & Johnson
- Tropical Forest Research Institute
- The Nature Conservancy
- Lalbagh Botanical Gardens
- Nestle

- Lloyd's Botanical Garden
- Indian Agricultural Research Institute
- University Of Agricultural Sciences
- Information Technology Cell, Junagadh
- Government Botanical Garden
- Britannia Industries

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Botany in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Botany Career in India

- Educational Pathways: Degrees in Botany (B.Sc., M.Sc., and Ph.D.) are offered by many universities. Specializations include plant physiology, taxonomy, genetics, ecology, and plant biotechnology among others.
- Diverse Roles: Roles include research scientists, botanists, plant breeders, environmental consultants, educators, and conservationists.
- Regulatory Framework: Bodies like the University Grants Commission (UGC) and the Indian Council of Agricultural Research (ICAR) influence botany education and research standards.
- Employment Opportunities: Available in research institutions, government agencies, environmental consultancies, botanical gardens, museums, biotech firms, and educational institutions.
- Skill Requirements: Strong foundation in plant sciences, research skills, fieldwork proficiency, statistical analysis, and understanding of ecological principles.

2. Desired State of Botany Career in India

- Advanced Skill Sets: Professionals should possess skills in advanced research techniques, bioinformatics, ecological modelling, plant biotechnology, and molecular biology.
- Global Competency: Knowledge and skills that align with international research standards to contribute to global scientific advancements.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with trends and advancements in botanical research and conservation methods.
- Technological Proficiency: Proficiency in using digital tools for data analysis, remote sensing, GIS, and advanced laboratory techniques.
- Holistic Conservation Approach: Integration of holistic conservation methods, community engagement, and policy advocacy in botanical practices.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN CHARTERED ACCOUNTANCY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN CHARTERED ACCOUNTANCY (CA)

Chartered Accountant (C.A.) is a well-known career choice for students in commerce. It's a globally recognized professional certification offered by the Institute of Chartered Accountants of India (ICAI). ICAI is a statutory body established by the Indian Parliament and is the sole authority governing CA courses in India. They provide financial advice to a range of clients, from big multinational organizations to small businesses and individuals.

Chartered Accountants specialize in different fields like finance, auditing, accounting, management consulting, restructuring, forensic accountancy, taxation, insurance, corporate finance etc. Chartered Accountants can work in private companies, start their own practice, or be hired by the government.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING CHARTERED ACCOUNTANCY (CA) IN INDIA

☑ Eligibility for CA Foundation Route:

- To qualify for the CA Foundation exam, the candidate needs to pass the 12th-grade exam from a recognized board. After registering for CA, they must complete a 4-month study period.
- Provisional CA registration can be taken during 10th grade, allowing early preparation for the CA Foundation course. However, regular admission is contingent upon clearing the 12th-grade exam.

☑ Eligibility for Direct Entry Route:

- Graduates/postgraduates from commerce stream with a minimum of 55% total marks can apply. They should have studied specific subjects like accounting, auditing, mercantile law, corporate law, and economics of financial management, accounting, taxation (direct and indirect), costing, business administration, and management accounting.
- Non-commerce graduates/postgraduates need at least a 60% aggregate or an equivalent grade from a recognized university.
- Successful completion of Intermediate level exams from the Institute of Cost Accountants of India or the Institute of Company Secretaries of India (ICSI) also qualifies for direct entry, bypassing the Foundation course.
- Students in their final college year can apply provisionally for the Intermediate course. However, full admission is granted upon submission of marksheet and after six months from appearing in the final year graduation exams. Successful completion of Orientation Course and Information Technology training is mandatory during provisional registration.

POPULAR UNDERGRADUATE (UG) DEGREES TO PURSUE WITH CHARTERED ACCOUNTANCY (CA) COURSE

Bachelors of Finance, Bachelor in Finance Management, Bachelor of Commerce (BCom)/BCom Hons., Bachelors of Commerce (BCom) in Accounting and Finance, Bachelors in Business Management (BBM), Bachelors of Business Administration (BBA) etc.

POPULAR POSTGRADUATE (PG) DEGREES TO PURSUE WITH CHARTERED ACCOUNTANCY (CA) COURSE

Masters in Finance, Masters in Finance Management, Masters in Commerce (MCom), Masters in Business Management, MBA or EMBA in Finance, MBA in Business Management, MBA in Financial Modeling, MBA in Investment Banking, MBA in International Finance etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PROFESSIONAL/CERTIFICATION/DIPLOMA COURSES TO PURSUE ALONG WITH OR AFTER CHARTERED ACCOUNTANCY (CA) COURSE

Certified Management Accountant (CMA), Chartered Financial Planner (CFP), Certified Public Accountant (CPA), Chartered Financial Analyst (CFA), Financial Risk Manager (FRM), Certified Fraud Examiner, Certified Information Systems Auditor (CISA), Diploma in International Taxation, Diploma in Information Systems Audit (DISA), PG Diploma in Treasury & Forex Management, PG Diploma in Banking & Finance, Diploma in Business Management, Company Secretary (CS), Association of Chartered Certified Accountants (ACCA), Chartered Institute of Management Accountants (CIMA) etc.

Note: *The professional/certification/diploma courses mentioned above can be pursued concurrently with or after the Chartered Accountancy course/studies.*

COMMON ENTRANCE EXAM FOR PURSUING CHARTERED ACCOUNTANCY (CA) COURSE IN INDIA

CA Foundation Exam

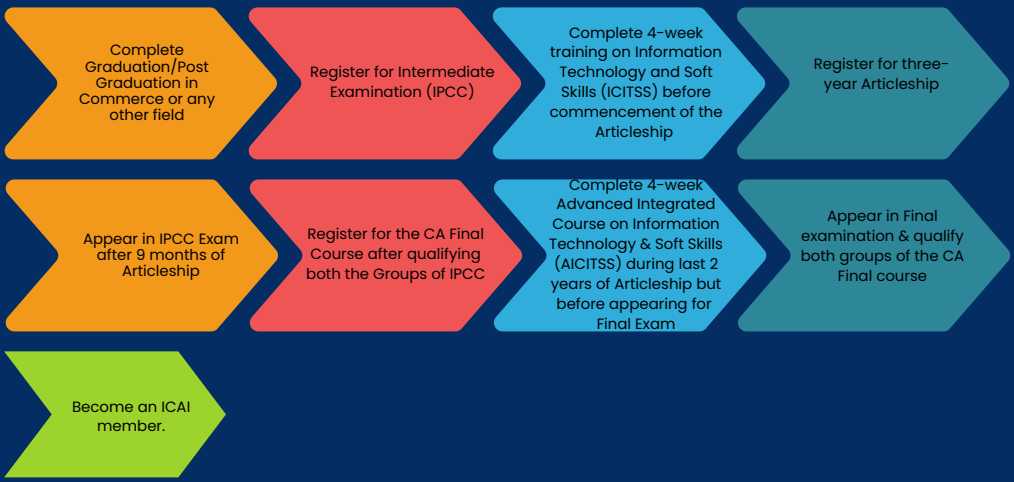
Note: *Admission to the CA course is open throughout the year. Examinations are held twice a year in May/June and November/December.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Copyright © EnrichMyCareer

Study/Course Pathway 2:



INSTITUTE PROVIDING CHARTERED ACCOUNTANCY (CA) COURSE IN INDIA

The Institute of Chartered Accountants of India (ICAI)

Note: *Few popular Coaching Centres/Academies providing CA coaching/tutoring in Assam include Agarwal Coaching Centre, Prerna Tutorials, Sameer Commerce Coaching Centre, ShikshaVilla, ICA Edu Skills etc.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Accountant, Finance Manager, Accounting Manager, Chartered Accountant, Financial Controller, Tax Accountant, Chief Financial Officer, Auditor, Cost Accountant, Business Analyst, Investment Banker, Auditing Expert, Forensic Accountant, Civil Servant, Chartered Engineers, Fiduciary Accountant, Management Consultant, Risk Compliance Officer, GST Experts, Tax Manager, Consultant, Tax Advisor, Management Accountant, Financial Planner & Analyst, Finance Analyst, Functional Consultant, General Ledger Accountant, Financial Reporting Accountant, Associate Accountant, Revenue Manager, Indirect Tax Manager, Direct Tax Manager, Director of Finance, Group Accountant, Chief Accountant, Internal Auditor, Statutory Auditor, Treasurer, Chief Accounting Officer, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Chartered Accountancy Firms
- Taxation Firms
- Banking and Insurance Companies
- Financial Management Firms
- Academia
- Stock Broking Firms
- Accounting Firms
- Investment Firms
- Audit & Advisory Firms
- Finance Institutions
- Insurance Companies
- Non-Governmental Organizations (NGO)
- Legal Firms
- Management Consulting Firms
- Real Estate & Construction Companies
- Information Technology (IT) Firms
- Logistics & Supply Chain Companies
- Agribusiness & Food Processing Units
- Cost Accountancy Firms
- Manufacturing Companies
- Capital Market Services
- Healthcare Organizations
- Startups
- Hospitality & Tourism Industry
- Business Enterprises
- MNCs
- Retail & Consumer Goods Companies
- Telecommunication Companies
- Media & Entertainment Industry
- Energy & Power Generation Companies
- Food & Beverage Industry
- Aviation & Aerospace Companies
- Chemical & Petrochemical Companies
- Environmental & Sustainability Firms
- Venture Capital & Angel Investing Firms

GOVERNMENT OR PUBLIC BODIES

- Government Agencies
- Public Sector Undertakings (PSU)
- National Banks
- Indian Audit and Accounts Services
- Union Public Service Commission
- State Public Service Commissions
- Oriental Insurance Company
- New India Insurance Company
- National Insurance Company
- Indian Defense Accounts Services
- Metro Rail Corporation Ltd.,
- GAIL (India) Limited
- United India Insurance Company
- NRHM (National Rural Health Mission)
- Indian Civil Accounts Service
- Life Insurance Corporation of India
- Indian P & T Accounts and Finance Service
- Indian Railway Accounts Service etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- CA Firms (Sampat Jain & Associates, Hari Singh & Associates etc.)
- Govt./Public and Private Academic Institutions
- Private Banking and Insurance Companies (HDFC, ICICI, Reliance General Insurance etc.)
- Public/National Banks (SBI, PNB, etc.)
- Assam Industrial Development Corporation
- Assam Small Industries Development Corporation
- Assam Electronics Development Corporation
- Oil India Limited (OIL)
- Indian Oil Corporation Limited (IOCL)
- Assam Tea Corporation
- Assam Petro Chemicals Ltd.
- Life Insurance Corporation of India (LIC)
- Numaligarh Refinery Limited (NRL)
- Nemcare Hospitals
- SRD Nutrients
- Brahmaputra Carbon
- Hindustan Paper Corporation Limited (HPCL)
- Sundaram Foods
- North East Roofing
- Purbanchal Cement
- Brahmaputra Rolling Mills
- Brahmaputra Paper Products
- Progressive Fertichem
- Kiranshree Hotels
- Delhivery
- DTDC
- Law firms, etc.

IF SELF EMPLOYED/ENTREPRENEUR

Own Practice/Firm, Freelance Consultant/Financial Advisor etc.

KEY SKILLS REQUIRED

Analytical Skills, Communication Skills, Problem Solving Skills, IT Proficiency, Data Analysis, Research Skills, Knowledge of Regulatory Standards, Literacy & Numeracy Skills, People Skills, Accuracy, Attention to Detail, Professionalism & Ethics, Perseverance, Critical Thinking, Teamwork, Decision Making, Time Management, Leadership Skills etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Individuals who have 0-5 years of work experience can expect an average salary ranging between 7-8 LPA.
- Individuals who have 5-10 years of work experience can expect an average salary ranging between 8-12 LPA.
- Individuals who have 10-20 years of work experience can expect an average salary ranging between 12-20 LPA.
- Individuals who have 20+ years of work experience can expect an average salary ranging between 20-70 LPA.

Note: *The above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, experience, location, job profile, organization, and market conditions.*

TOP RECRUITERS

- Ernst and Young
- KPMG
- PWC
- Deloitte
- Grant Thorton
- RSM International
- Landmark Group
- Federal Bank
- State Bank of India
- RBL Bank
- Lodha & Co
- Bajaj Finserv & Group
- GAIL

- Tata Group
- SAIL
- ITC
- Hindustan Unilever
- TCS
- Infosys
- Wipro
- HCL Technologies
- Luthra & Luthra
- JS Sundaram & Co.
- McKinsey & Co.
- Amazon
- Goldman Sachs

- Kotak Mahindra
- RM Rajapurkar & Co
- ICICI Bank
- HDFC Bank
- Aiyar & Co.
- TR Chadha & Co.
- Aditya Birla Group

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of Chartered Accountant Career in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Chartered Accountant Career in India

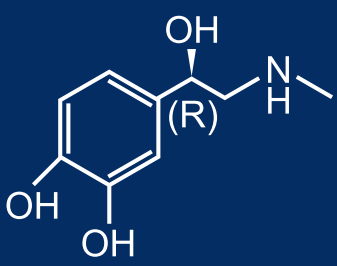
- High Demand: CAs are in high demand across various sectors, including finance, auditing, taxation, and consulting.
- Educational Framework: The Institute of Chartered Accountants of India (ICAI) governs the profession, setting standards for education and certification.
- Certification Process: The path to becoming a CA involves rigorous exams and practical training, including the Common Proficiency Test (CPT), Integrated Professional Competence Course (IPCC), and the Final Exam.
- Employment Opportunities: CAs find employment in public accounting firms, corporations, financial institutions, and government agencies, as well as opportunities for self-employment.
- Skill Requirements: Strong knowledge in accounting, taxation, auditing, financial reporting, and business laws is essential.

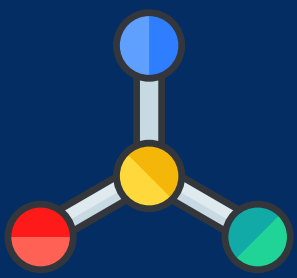
2. Desired State of Chartered Accountant Career in India

- Advanced Skill Sets: CAs should possess advanced skills in areas such as data analytics, financial technologies (FinTech), and strategic business advisory.
- Global Competency: CAs should be equipped with knowledge and skills that meet global standards to compete internationally.
- Continuous Professional Development: Greater emphasis on ongoing learning and skill enhancement to keep up with industry changes as well as policy changes.
- Technological Proficiency: Proficiency in using advanced accounting software, data analytics tools, and understanding emerging technologies.
- Ethical Standards: Upholding the highest ethical standards and integrity in professional practice.

Copyright © EnrichMyCareer

CAREER IN CHEMISTRY





Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN CHEMISTRY

A career in chemistry involves delving into the intricacies of matter, exploring the fundamental building blocks that compose our universe. It's a journey of uncovering the secrets behind elements, compounds, and their interactions, as well as understanding the rules governing physical and chemical processes.

Chemistry encompasses diverse branches, each offering unique perspectives and areas of study. From organic chemistry, which investigates carbon-based compounds and their reactions, to physical chemistry, which examines matter and energy behaviour, there are abundant opportunities for curious minds and scientific exploration.

Individuals with a background in chemistry can find exciting prospects in various sectors such as chemicals, pharmaceuticals, petrochemicals, environmental science, food & beverage, and materials.

If you are curious about how things work at the molecular level, a chemistry career is perfect for you. Chemists tackle real-world challenges by designing experiments, analyzing data, and drawing inferences. Their work contributes to advancements in medicine, technology, and environmental sustainability.

Chemistry intersects with biology, physics, mathematics, and materials science. This cross-discipline nature promotes a rich exchange of ideas that fosters groundbreaking discoveries and innovations.

A career in chemistry offers intellectual fulfillment, problem-solving opportunities, and the chance to shape the future through scientific exploration and innovation. If you're passionate about unraveling the complexities of the natural world, you can consider embarking on this exciting journey.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING CHEMISTRY IN INDIA

- ☑ Applicants must have studied the Science stream in their 12th class, with chemistry as a core subject, alongside physics, mathematics, and/or biology.
- ☑ A satisfactory academic performance, with a minimum percentage or grade (typically 50% or higher) in the aforementioned subjects, is a prerequisite.
- ☑ Many universities and colleges mandate the clearance of entrance exams such as JEE (Joint Entrance Examination) or state-level equivalents while others consider merit-based criterion for admission into undergraduate (UG) programs in chemistry or allied fields.
- ☑ Upon successfully meeting the merit-based criteria or passing the entrance exams, candidates can pursue a bachelor's degree in chemistry or a related discipline like Chemical Engineering, Pharmaceutical Sciences, or Biotechnology, with a duration generally spanning three to four years.
- ☑ For those aspiring to pursue postgraduation (PG) or specialize further, such as pursuing a Master's or Ph.D. in Chemistry, maintaining a specified GPA during UG studies and clearing additional entrance exams like GATE (Graduate Aptitude Test in Engineering) or CSIR NET (Council of Scientific and Industrial Research - National Eligibility Test) is typically required.

POPULAR UNDERGRADUATE (UG) DEGREES IN CHEMISTRY IN INDIA

BSc/BSc (Hons.) in Chemistry/Applied Chemistry/Industrial Chemistry/Organic & Inorganic Chemistry/Biochemistry/Pharmaceutical Chemistry and BE/BTech in Chemical Engineering/Pharmaceutical Engineering etc.

POPULAR POSTGRADUATE (PG) DEGREES IN CHEMISTRY IN INDIA

MSc in Chemistry/Applied Chemistry/Industrial Chemistry/Analytical Chemistry/Organic & Inorganic Chemistry/Biochemistry/ Pharmaceutical Chemistry etc. and MTech in Chemical Engineering etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR DIPLOMA & PG DIPLOMA COURSES IN CHEMISTRY IN INDIA

Diploma/PG Diploma in Chemical Engineering/Analytical Chemistry/Industrial Chemistry/Pharmaceutical Chemistry/ Environmental Chemistry/Polymer Technology/Biochemistry etc.

POPULAR CERTIFICATION COURSES IN CHEMISTRY IN INDIA

Certified Analytical Chemist, Certified Food Analyst by FSSAI, Certified Green Chemistry Professional by Green Chemistry Network Centre, Certified Polymer Technologist by Central Institute of Plastics Engineering and Technology, etc.

Note: *Those who are interested in pursuing PhD Degrees in Chemistry in India can do PhD in Chemistry/ Biochemistry/Analytical Chemistry/Organic Chemistry/Inorganic Chemistry/Environmental Chemistry etc.*

COMMON ENTRANCE EXAMS FOR PURSUING CHEMISTRY COURSES IN INDIA

CUET, CPGET, IPU CET, JET, NPAT, PU CET, BITSAT, CUET PG, IIT JAM, GPAT, URAT PG, ICAR AIEEA, JEE Main, AP PGCET, etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Chemistry courses at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream → Pursue B.Sc. (Hons) in Chemistry/ Biochemistry for 3-4 years → Pursue M.Sc. in Chemistry for 2 years → Crack CSIR-UGC-NET/similar exam to pursue PhD. in Chemistry.

Study/Course Pathway 2:

Study Class XII in Science Stream → Pursue B.Tech in Chemical Engineering for 4 years → Pursue M.Tech in Chemical Engineering or M.Sc. in Chemistry for 2 years.

Study/Course Pathway 3:

Study Class XII in Science Stream → Pursue B.Sc. (Hons.) in Chemistry/Biochemistry for 3-4 years or B.Tech in Chemical Engineering for 4 years → Pursue PG Diploma in Chemistry/ Biochemistry/Chemical Engineering for 1-2 years.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 4:

Study Class XII in Science Stream → Pursue an integrated course of BSc + MSc (of 5 years) in Chemistry.

Note: *After the completion of UG degree, the candidate can either apply for relevant entry-level jobs based on their skills & interest, or they can opt for a PG degree/diploma course in Chemistry for advanced studies.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING CHEMISTRY COURSES IN INDIA

- Indian Institute of Technology (IITs) - Multiple Locations
- Indian Institute of Science Education & Research (IISER) - Multiple Locations
- Banaras Hindu University - Varanasi
- Jamia Millia Islamia - Delhi
- Delhi University - Delhi
- Jawaharlal Nehru University - Delhi
- Indian Institute of Science - Bangalore
- University of Hyderabad – Hyderabad
- Amity University, Noida - Noida
- Bharathiar University - Coimbatore
- Institute of Chemical Technology - Mumbai
- St. Xavier's College – Kolkata and Mumbai
- VIT - Vellore
- Manipal Academy of Higher Education - Manipal
- Chandigarh University - Chandigarh
- SRM Institute of Science and Technology - Chennai
- BITS Pilani – Pilani
- Christ University - Bangalore
- Kalinga Institute of Industrial Technology - Bhubaneswar
- St. Stephen's College - Delhi
- Presidency College – Chennai
- Loyola College - Chennai
- Fergusson College - Pune
- Hans Raj College - Delhi
- Mithibai College of Arts - Mumbai
- St. Joseph's College - Bangalore
- St. Francis College for Women - Hyderabad
- Aligarh Muslim University - Aligarh

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: Some institutions may conduct (or consider) entrance exams for admission to degree courses in Chemistry, which may require qualifying scores from students to get admission in the college/university.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING CHEMISTRY COURSES IN ASSAM

- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- IIT-Guwahati, Guwahati
- Assam Science & Technology University, Guwahati
- Cotton University, Guwahati
- Assam Don Bosco University, Guwahati
- Assam Down Town University, Guwahati
- Royal Global University, Guwahati
- Bodoland University, Kokrajhar
- Pragjyotish College, Guwahati
- Assam University, Silchar
- Arya Vidyapeeth College, Guwahati
- Bahona College, Jorhat
- Barama College, Baksa
- B. Borooah College, Guwahati
- Dakshin Kamrup College, Mirza
- Darrang College, Tezpur
- Goalpara College, Goalpara
- Handique Girls College, Guwahati
- Hojai College, Hojai
- Jawaharlal Nehru College, Boko
- Jorhat Institute of Science and Technology, Jorhat
- Karimganj College, Karimganj
- Madhab Choudhury College, Barpeta
- Morigaon College, Morigaon
- Nalbari College, Nalbari
- Nowgong College, Nagaon
- Pub Kamrup College, Baihata Chariali
- Tinsukia College, Tinsukia
- Udalguri College, Udalguri

Copyright © EnrichMyCareer

Note: *Above List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: Some institutions may conduct (or consider) entrance exams for admission to degree courses in Chemistry, which may require qualifying scores from students to get admission in the college/university.

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE CHEMISTRY COURSES

- Stanford University - USA
- Imperial College London - UK
- McGill University - Canada
- The University of Melbourne - Australia
- Heidelberg University - Germany
- The University of British Columbia - Canada
- University of Oxford - UK
- University of Manchester - UK

- Tsinghua University - China
- University of Tokyo - Japan
- California Institute of Technology - USA
- Massachusetts Institute of Technology- USA
- University of California, Berkeley - USA
- University of Cambridge - UK
- Harvard University - USA
- ETH Zurich - Switzerland

- École Polytechnique Federale of Lausanne - Switzerland
- Nanyang Technological University – Singapore

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Chemistry abroad, they will most likely have to provide TOEFL/IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's programs, and GRE scores for master's programs. Also required would be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Chemist, Analytical Chemist, Biotechnologist, Pharmacologist, Toxicologist, Healthcare Scientist, Materials Technologist, Biomedical Chemist, Environmental Consultant, Food Technologist, Nutritionist, Chemical Engineer, Forensic Scientist, Nanotechnologist, Research Scientist, Lecturer, Professor, Geneticist, Plant Biochemist, Technical Writer/Editor, Lab Assistant, Research & Development Manager, Food and Flavor Chemist, Agricultural Chemist, Pharma Assistant, Cytologist, Radiologist, Quality Controller, Chemical Engineering Associate, Medical Technologist, Industrial Research Scientist etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Pharmaceutical Companies
- Biotechnology Companies
- Chemical Firms
- Research Centers
- Academic Institutions
- Agricultural Industry
- Petrochemical and Refining Companies
- Specialty Chemical Manufacturers
- Paints & Adhesives Companies
- Agrochemical & Fertilizer Companies
- Food & Beverage Companies
- Cosmetics and Personal Care Companies
- Environmental & Analytical Testing Labs
- Materials Science and Nanotechnology Companies
- Chemical Engineering & Consultancy Firms
- FMCG Companies etc.

GOVERNMENT OR PUBLIC BODIES

- Ministry of Chemicals & Fertilizers
- Indian Space Research Organisation
- Defence Research and Development Organisation
- Council of Scientific and Industrial Research Laboratories
- Indian Institute of Petroleum
- Bhabha Atomic Research Centre
- Indian Institute of Toxicology Research
- National Environmental Engineering Research Institute
- Hindustan Organic Chemicals Ltd.
- Hindustan Insecticides Ltd.
- National Institute of Pharmaceutical Education and Research
- Food Safety and Standards Authority of India
- Central Forensic Science Laboratories
- Central Drugs Standard Control Organization
- Geological Survey of India
- Indian Bureau of Mines
- National Accreditation Board for Testing and Calibration Laboratories
- State Pollution Control Boards etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Assam Petrochemicals Ltd.
- Numaligarh Refinery Ltd.
- Monsut Chem Industries
- Assam Chemical & Pharmaceutical Pvt. Ltd.
- Assam State Fertilizers and Chemicals Ltd.
- Assam Chemical Industries Pvt. Ltd.
- Brilliant Industries
- Indian Oil Corporation
- Regional Research Laboratory (RRL) - Jorhat
- Oil India Ltd.,
- India Glycols Ltd.
- Chem India Pvt. Ltd.
- Brahmaputra Cracker and Polymer Ltd.
- New Age Petcoke Pvt. Ltd.
- Brahmaputra Valley Fertilizer Corporation Ltd.
- Septy Pharmaceuticals Pvt. Ltd.
- Hindustan Unilever Ltd.
- Regional Drugs Testing Laboratory (RDTL)-Guwahati
- National Institution of Pharmaceutical Education & Research (NIPER)-Guwahati
- Various Academic Institutions etc.

IF SELF EMPLOYED/ENTREPRENEUR

Consulting Firm, Research and Development Company, Chemical Testing/Analytical Laboratory, Chemical Manufacturing Business, Academic Entrepreneurship, Chemical Recycling or Waste Management Company, Chemical Safety and Regulatory Compliance Services, Chemistry-based Consumer Products, Chemical/Chemistry Education & Training, Forensic & Analytical Chemistry Services, Specialty Chemical Manufacturing, Wholesale/Supply/Distribution of Chemicals etc.

Copyright © EnrichMyCareer

KEY SKILLS REQUIRED

Research, Analytical, Communication, Problem Solving, Critical Thinking, Detail-oriented, Organizational Skills, Lab Skills, Teamwork, Persistence, Observation, Numerical, Procedural, Time Management etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-level (0-2 years of experience): Salaries range from Rs. 3 - 6 lakhs per annum. Roles are often focused on lab work, quality control, or assisting in research projects.
- Early career (3-5 years of experience): Salaries range from Rs. 4 - 8 lakhs per annum. Roles may include more independent research tasks, contributing to product development, or supervising juniors.
- Mid-career (5-10 years of experience): Salaries range from Rs. 6 - 12 lakhs per annum. Individuals lead research projects, manage teams, & work in areas of analytical chemistry, formulation development etc.
- Experienced (10-20 years of experience): Salaries range from Rs. 8 - 18 lakhs per annum. Roles include senior positions such as research directors, technical leads, or heads of departments, and strategic roles.
- Late career (20+ years of experience): Salaries range from Rs. 10 - 25+ lakhs per annum. Individuals may hold executive positions, lead research initiatives, or serve as consultants or subject matter experts.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, and experience, and the job profile, organization, location, and market conditions.*

TOP RECRUITERS

- Pfizer
- Moderna
- Biocon
- Procter and Gamble
- Colgate-Palmolive
- AstraZeneca
- ONGC
- Bhabha Atomic Research Centre
- Sun Pharmaceuticals
- Merck
- Novartis

- ExxonMobil
- Chevron
- Shell
- Nestle
- PepsiCo
- Tata Chemicals Ltd
- Pidilite Industries Ltd
- GlaxoSmithKline
- Genentech
- Biogen
- DuPont
- Dow Chemical

- L'Oreal
- Hindustan Unilever
- Honeywell
- Coromandel Intl. Ltd.
- Atul Ltd
- Dr. Reddy's Labs
- Reliance Industries Ltd.
- Asian Paints
- Britannia Industries
- SGS India
- Sterlite Technologies
- Dabur
- Hindalco Industries

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Chemistry in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Chemistry Career in India

- Educational Pathways: Degrees in Chemistry (B.Sc., M.Sc., and Ph.D.) offered by numerous universities and colleges. Specializations include organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry, and biochemistry among others.
- Diverse Roles: Roles include research scientists, industrial chemists, quality control analysts, laboratory technicians, pharmaceutical chemists, educators, and environmental chemists.
- Regulatory Framework: Bodies like the University Grants Commission (UGC) and the Council of Scientific and Industrial Research (CSIR) influence chemistry education and research standards.
- Employment Opportunities: Available in academia, research institutions, chemical and pharmaceutical industries, government agencies, and environmental organizations.
- Skill Requirements: Strong foundation in chemical principles, laboratory skills, analytical techniques, problem-solving, and understanding of safety and regulatory compliance.

2. Desired State of Chemistry Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in spectroscopy, chromatography, computational chemistry, nanotechnology, and green chemistry.
- Global Competency: Knowledge and skills that align with international research standards and industry practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in chemical research and technologies.
- Technological Proficiency: Proficiency in using modern laboratory instruments, software for data analysis, and digital tools for research and development.
- Sustainable Practices: Integration of sustainable and green chemistry practices in both education and professional settings.

Copyright © EnrichMyCareer

CAREER IN CIVIL SERVICES

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN CIVIL SERVICES

A career in the civil services in India is highly prestigious and rewarding, offering individuals the opportunity to serve the nation and contribute to the development and progress of the country. The Indian Civil Services are considered the backbone of the country's administrative system, responsible for implementing government policies and programs at various levels.

The Civil Services Examination (CSE), conducted by the Union Public Service Commission (UPSC), is the primary gateway to enter the prestigious civil services, including the Indian Administrative Service (IAS), Indian Police Service (IPS), and Indian Foreign Service (IFS), among others. This highly competitive exam tests candidates' knowledge, analytical skills, decision-making abilities, and leadership qualities.

Those who successfully clear the CSE undergo rigorous training at prestigious academies, equipping them with the necessary knowledge and skills to tackle complex administrative tasks and challenges. Civil servants play a crucial role in shaping policies, implementing development programs, maintaining law and order, and ensuring efficient governance.

A career in the civil services offers a unique blend of power, responsibility, and the opportunity to drive positive change. Civil servants have the potential to impact the lives of millions, working towards the betterment of society and contributing to nation-building. However, it is a demanding profession that requires dedication, integrity, and a strong commitment to serving the public interest.

While the journey to becoming a civil servant is challenging, the rewards are immense, including job security, attractive remuneration, and the privilege of serving the country. It is a career path that demands sacrifice, resilience, and unwavering dedication, and for those who possess these qualities, it can be an incredibly fulfilling and rewarding experience

CATEGORIES/TYPES OF CIVIL SERVICES IN INDIA

- **All India Civil Services**: Indian Administrative Service (IAS), Indian Police Service (IPS), Indian Forest Service (IFoS).
- **Group 'A' Civil Services:** Indian Foreign Service (IFS), Indian Audit and Accounts Service (IAAS), Indian Civil Accounts Service (ICAS), Indian Corporate Law Service (ICLS), Indian Defence Accounts Service (IDAS), Indian Defence Estates Service (IDES), Indian Information Service (IIS), Indian Ordnance Factories Service (IOFS), Indian Communication Finance Services (ICFS), Indian Postal Service (IPoS), Indian Railway Accounts Service (IRAS), Indian Railway Personnel Service (IRPS), Indian Railway Traffic Service (IRTS), Indian Revenue Service (IRS), Indian Trade Service (ITS), Railway Protection Force (RPF).
- **Group 'B' Civil Services:** Armed Forces Headquarters Civil Service, DANICS, DANIPS, Pondicherry Civil Service, Pondicherry Police Service.

Copyright © EnrichMyCareer

Note: *The allotment of type of civil services to successful candidates depends on the rankings obtained in the UPSC civil services examination.*

ABOUT THE INDIAN ADMINISTRATIVE SERVICE (IAS) AND INDIAN POLICE SERVICE (IPS)

- **Indian Administrative Service (IAS):** The Indian Administrative Service (IAS) comprises elite civil servants in India. An IAS officer, selected through rigorous exams, holds key administrative positions at the district, state, and central levels. They manage governance, implement policies, and address societal issues, ensuring effective and efficient public service delivery.

- **Indian Police Service (IPS):** The Indian Police Service (IPS) consists of top law enforcement officers in India. IPS officers are chosen through competitive exams and play pivotal roles in maintaining law and order. They oversee crime prevention, investigation, and ensure public safety, leading police forces at various levels to uphold justice and security.

  The Indian Police Services recruits candidates to occupy the high-ranking posts in the State Police and Central Armed Police Forces (CAPF). They may be deputed to state services or the central government.

GENERAL ELIGIBILITY CRITERIA FOR PURSUING CIVIL SERVICES (IAS AND IPS) IN INDIA

- ☑ The candidate must be a citizen of India.
- ☑ Candidate must have passed class 12th board exams with minimum 50% marks from a recognized board.
- ☑ The candidate must be between 21 and 32 years of age. However, there are certain age relaxations for candidates belonging to reserved categories (SC/ST/OBC) and for candidates with disabilities.
- ☑ The candidate must hold a bachelor's degree in any discipline from a recognized university. Candidates who have appeared for the final year examination and are awaiting results can also apply, provided they meet the requisite criteria before joining the service.
- ☑ Number of attempts allowed for General Category is 6, for OBC it is 9 and for SC/ST it is unlimited.
- ☑ The Candidate must meet the medical and health standards as per the exam rules.
- ☑ After clearing the UPSC exam, the candidate needs to clear any other rounds including the personal interview round.
- ☑ If a candidate has already been appointed as an IAS or IFS officer, he/she is not eligible to apply for the IPS exam.

Copyright © EnrichMyCareer

COMMON ENTRANCE EXAMS FOR PURSUING CIVIL SERVICES (IAS AND IPS) IN INDIA

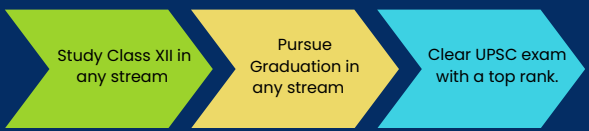
Union Public Service Commission (UPSC) Civil Services Examination is the exam conducted by the UPSC for recruitment to various civil services and posts in the Indian government that includes Indian Administrative Service (IAS), Indian Police Service (IPS), Indian Foreign Service (IFS) etc.

Note: *APSC CCE (Assam Public Service Commission Combined Competitive Exam) is conducted for selecting aspiring candidates for various posts in state government offices and public sector units across Assam. Such positions include Assam Civil Service (ACS)-Jr. Grade, Assam Police Service (APS)-Jr. Grade, Superintendent of Taxes, etc.*

Note: *The UPSC Civil Services Exam offers direct recruitment of candidates in the higher-ranking posts, whereas state police officers climb up the ranks or ladder of promotion to become IPS officers through State Police.*

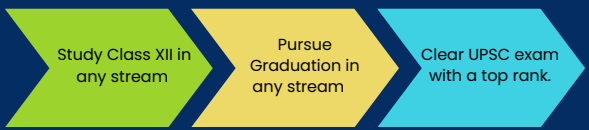
EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE IAS)

Study/Course Pathway 1:



EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE IPS)

Study/Course Pathway 1:



Study/Course Pathway 2:

Note For IAS*: After selection, IAS Officers are first appointed as an Officer Trainee for 2 years. During this period, they will focus on personality development and technical upskilling before candidates join their respective cadres. This period of IAS officer training, often referred to as the probationary term, includes a 4-month foundational program at the Lal Bahadur Shastri National Academy of Administration (LBSNAA) in Mussoorie. This is followed by Bharat Darshan and 1 year district training.*

Note For IPS*: After selection, chosen IPS officers (that are first appointed as Officer Trainees) are sent for intensive physical training at LBSNAA. The total duration of LBSNAA training period is approximately 2 years that is divided into different phases. IPS Officer Trainees are sent to Sardar Vallabhbhai Patel National Police Academy (SVPNPA) in Hyderabad for a year to undergo physical training and are trained in all aspects of policing and administration. After successful training, they are placed as per requirements of the state and the central government.*

Copyright © EnrichMyCareer

Note: *The IAS, IPS, and IFS officers undergo a common foundation program at the LBSNAA, followed by specialized training in their respective cadres.*

FEW INSTITUTES/ACADEMIES PROVIDING CIVIL SERVICES (IAS AND IPS) COACHING IN INDIA

- SPM IAS Academy
- Sri Chaitnya IAS Academy
- Allen Career Institute
- Drishti IAS
- Vajiram and Ravi
- Chanakya IAS Academy
- Shankar IAS Academy
- Vision IAS
- BYJU'S
- ALS IAS Academy

- Khan Study Group (KSG India)
- Rau's IAS Study Circle

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

FEW INSTITUTES/ACADEMIES PROVIDING CIVIL SERVICES (IAS & IPS) COACHING IN ASSAM

- SPM IAS Academy
- Chanakya IAS Academy
- Inspiration IAS
- Bhadra IAS Academy
- Borthakur's IAS Academy
- Academy Of Civil Services
- Ashoka IAS Academy
- Sukalp IAS Academy
- Competition Care
- Vision IAS

Copyright © EnrichMyCareer

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

District Magistrate (DM)/District Collector, Deputy Commissioner, Divisional Commissioner, Sub-Divisional Magistrate, Sub-Collector, Assistant Secretary, Deputy Secretary, Director, Joint Secretary (at State Secretariats), Additional Secretary/Principal Secretary (at State/Central Secretariat), Additional Chief Secretary, Chief Secretary (of States), Cabinet Secretary (of India), Chief Development Officer, Director of Health Services, Municipal Commissioner, Land Revenue Commissioner, Registrar General, Chief Electoral Officer, etc.
Superintendent of Police, Deputy Commissioner of Police, Director General of Central Armed Police Forces, Director/Commissioner of Intelligence Bureau, Director-General of Police, Crime Investigation Officer, Police Commissioner, Police Detective, Traffic Police Officer, Police Officer, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

GOVERNMENT OR PUBLIC BODIES

- Ministry of Home Affairs
- Ministry of Finance
- Ministry of Health and Family Welfare
- Ministry of Education
- Ministry of Rural Development
- Ministry of Environment Forest and Climate Change
- Departments of Revenue Police, Public Works, Agriculture, Urban Development
- Securities and Exchange Board of India
- Reserve Bank of India
- Telecom Regulatory Authority of India
- Insurance Regulatory and Development Authority of India
- State Intelligence Bureau
- Criminal Investigation Department
- Ministry of Skill Development and Entrepreneurship
- Ministry of Tourism
- Asian Development Bank
- Ministry of Labour and Employment
- Directorate of Agriculture and Cooperation
- Indian Police Service
- State Police Departments
- Central Armed Police Forces
- Central Intelligence and Investigation Agencies
- State Intelligence Departments
- Crime Investigation Departments
- Traffic Police
- Anti-Corruption Agencies
- Special Task Forces and Units
- Central Reserve Police Force
- Public Sector Undertaking
- Indo-Tibetan Border Police
- Border Security Force
- United Nations
- World Bank
- International Monetary Fund etc.

Copyright © EnrichMyCareer

IN ASSAM

- Assam Department of Revenue & Disaster Management
- Assam Directorate of Health & Family Welfare
- Assam Department of Education
- Assam Skill Development Mission
- Directorate of Skill Development & Entrepreneurship
- Assam Department of Tourism
- Department of Labour & Employment
- Assam Police Housing Corporation Limited
- Directorate of Civil Defense and Home Guards

- Assam Police Radio Organization
- Assam Police Department
- Assam State Intelligence Bureau
- Assam State Border Police
- Assam Prisons Department
- Assam Vigilance & Anti-Corruption Department
- Assam Special Task Force etc.

IF SELF EMPLOYED/ENTREPRENEUR

Social Entrepreneurship, Consultancy Services, Political Career, Academia and Research, Writing and Public Speaking, Private Security Services , Investigation and Risk Management Consultancy, Training and Skill Development Institute etc.

KEY SKILLS REQUIRED

Leadership, Decision Making, Communication Skills, Problem Solving, Negotiation and Conflict Resolution Skills, Interpersonal Skills, Patience, Resilience, Adaptability, Observation Skills, Emotional Intelligence, Time Management, Teamwork, Critical Thinking, Attention to Details etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

SALARY OF AN IAS OFFICER

- The salary of an IAS officer is based on the pay scale (of the 7th Pay Commission recommendations) determined by the Government of India. It varies based on the rank and experience of the officer.
- The basic pay of an entry- level IAS Officer is Rs. 56,100 per month that excludes additional perks and benefits such as Travel Allowance (TA), Dearness Allowance (DA), and House Rent Allowance (HRA).
- After years of service and each promotion, the salary of an IAS Officer increases periodically.
- The maximum salary an IAS officer can aspire for is Rs. 2,50,000 – 3,00,000 per month. This highest post corresponds to the position of Cabinet Secretary.

SALARY OF AN IPS OFFICER

- IPS Officers also receive salaries based on the 7th Pay Commission in India. It varies based on the rank and experience of the officer.
- The base salary of an IPS officer (e.g. for a Deputy Superintendent of Police [DSP]) is Rs. 56,100 per month that excludes additional perks and benefits such as TA, DA, and HRA.
- After years of service and each promotion, the salary of an IPS Officer increases periodically.
- The highest salary of an IPS officer is of a Director General of Police (DGP) who earns up to Rs. 2,25,000 per month.

Note: *The above salaries are indicative (as per available data) and can vary based on factors such as government norms, location, and the officer's position/rank, experience and qualifications.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Union Public Service Commission
- State Public Service Commissions (e.g. Assam Public Service Commission)
- Central Government Ministries & Dept.
- Ministry of Home Affairs
- Ministry of Defence
- Ministry of External Affairs

- State Governments
- Central Armed Police Forces
- Border Security Force
- Central Reserve Police Force
- Indo-Tibetan Border Police
- Intelligence Bureau
- Research and Analysis Wing (RAW)
- Public Sector Units (PSUs)

- Enforcement Directorate
- Central Bureau of Investigation (CBI)
- International Organizations (e.g. World Bank, IMF, UNO etc.)
- Other Central Government Agencies
- Others

GAP ANALYSIS

A gap analysis of a prospective career in Civil Services in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Civil Services Career in India

- Educational Pathways: A bachelor's degree in any discipline is the minimum qualification required to appear for the Civil Services Examination (CSE) conducted by the Union Public Service Commission (UPSC). Candidates often pursue additional degrees or specialized coaching to prepare for the exam.
- Diverse Roles: Roles include Indian Administrative Service (IAS) officers, Indian Police Service (IPS) officers, Indian Foreign Service (IFS) officers, and various other Group A and Group B services.
- Regulatory Framework: The UPSC conducts the Civil Services Examination and ensures a standardized selection process.
- Employment Opportunities: Available in various government departments and ministries at the central, state, and district levels.
- Skill Requirements: Analytical thinking, problem-solving, leadership, communication, in-depth knowledge of current affairs, and understanding of public administration and governance.

2. Desired State of Civil Services Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in public administration, policy analysis, digital governance, international relations, and public finance management.
- Global Competency: Knowledge and skills that align with international governance standards and practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, in-service training, and specialization to keep up with advancements in governance and public administration.
- Technological Proficiency: Proficiency in using digital tools for governance, data analysis, e-governance platforms, and policy implementation.
- Ethical and Inclusive Governance: Integration of ethical practices, transparency, accountability, and inclusive governance principles in civil services.

Copyright © EnrichMyCareer

CAREER IN COMPANY SECRETARYSHIP

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN COMPANY SECRETARYSHIP (CS)

Company Secretary (CS) is a professional course managed by The Institute of Company Secretaries of India (ICSI). Specialists in this role assist companies in complying with laws and regulations in India, ensuring the smooth operation of a company and advising on legal, financial, and governance matters. A Company Secretary (CS) is a key figure managing the legal aspects of a business, maintaining records, handling tax returns, and ensuring compliance with regulations, guaranteeing legal and statutory compliance throughout the company.

If a company has a paid-up share capital of 10 crore rupees or more, the company secretary becomes key managerial personnel, guiding directors on corporate laws, keeping the board informed, and ensuring the company acts according to regulations. They sign all documents presented to stakeholders, playing a crucial role in guiding the company and fulfilling its duties.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING COMPANY SECRETARYSHIP (CS) IN INDIA

- ☑ To enroll in the Foundation Programme of the Company Secretary course, the minimum qualification is to have successfully completed Class 12 in any stream (excluding Fine Arts) from a recognized university or its equivalent, with a minimum aggregate of 50% marks.
- ☑ Candidates looking to pursue CS after completing their graduation will need to complete two levels: Executive Programme and Professional Programme.
- ☑ Candidates who have finished their graduation or post-graduation (excluding Fine Arts) or have passed the Foundation level of CA and the Cost Accounting course by ICWAI are eligible for direct admission to the CS Executive level.
- ☑ The ICSI has recently introduced a policy of "pre-examination" as a requisite for seeking enrolment in CS Examinations. Candidates need to take this test before they enroll for executive or professional exams. The pre-exam shall be conducted for all the candidates of Executive/Professional programs under the new syllabus. Passing this test is necessary to be eligible for appearing in the Executive/Professional exams.

POPULAR UNDERGRADUATE (UG) DEGREES TO PURSUE WITH COMPANY SECRETARY (CS) COURSE

Bachelors of Finance, Bachelor in Finance Management, Bachelor of Commerce (BCom)/BCom Hons., Bachelors of Commerce (BCom) in Accounting and Finance, Bachelors in Business Management (BBM), Bachelors of Business Administration (BBA), Bachelors of Commerce (BCom) in Corporate Secretaryship, Bachelors of Arts in Public Administration, Integrated 5 Year Course (e.g. B.Com-L.L.B) etc.

POPULAR POSTGRADUATE (PG) DEGREES TO PURSUE WITH COMPANY SECRETARY (CS) COURSE

Masters in Finance, Masters in Finance Management, Masters in Commerce (MCom), Masters in Business Management, Master of Business Administration (MBA) or EMBA in Finance, MBA in Business Management, MBA in Financial Modeling, MBA in Investment Banking, MBA in International Finance etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PROFESSIONAL/CERTIFICATION/DIPLOMA COURSES TO PURSUE ALONG WITH OR AFTER COMPANY SECRETARY (CS) COURSE

Certificate courses in Share Market; Certificate course in Investment Management; Short Term courses in Insurance; Diploma in Capital Markets; Diploma in the Money Market; Certified Public Accountant (CPA); Chartered Accountancy (CA); CSR Professional Certification; Certified Management Accountant (CMA); Certificate course in Finance & Banking; Certificate in Consumer Protection Law; Diploma in Secretarial Practice; Certificate in Co-operation, Co-operative Law & Business Laws (CCLBL); Certificate Course in Competition Law/Advanced Professional Course in Competition Law and Market Regulation, 2016; Certificate course in Corporate Governance; Six Month Certificate Course on Corporate Law; Certificate courses by National Institute of Securities Markets (NISM) etc.

Note: *The professional/certification/diploma courses mentioned above can be pursued concurrently with or after the Company Secretary course/studies.*

COMMON ENTRANCE EXAM FOR PURSUING COMPANY SECRETARY (CS) COURSE IN INDIA

CS Foundation Exam

Note: *Admission to the CS course is open throughout the year. Examinations are held twice a year in June and December.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Commerce → Pursue the CS Foundation Program for 8 months → Pursue the CS Executive Program for 1 year → Pursue the CS Professional Program for 1 year.

Study/Course Pathway 2:

Study Class XII in Commerce → Pursue graduation in any Commerce related field for 3-4 years → Pursue the CS Executive Program for 1 year → Pursue the CS Professional Program for 1 year.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

INSTITUTE PROVIDING COMPANY SECRETARY (CS) COURSE IN INDIA

The Institute of Company Secretaries of India (ICSI)

Note: *Few popular Coaching Centres/Academies providing CS coaching/tutoring in Assam include Agarwal Coaching Centre, Prerna Tutorials, Sameer Commerce Coaching Centre, ShikshaVilla etc.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Company Secretary, Compliance Officer, Legal Advisor, Principal Secretary, Investment Banker, Managing Director, Chairman, Company Registrar, Legal Advisor, Corporate Policy Maker, Chief Administrative Officer, Principal Secretary, Administrative Assistant, Legal Manager, Executive Assistant, Legal Counsel, Corporate Planner, Member of Board of Directors, Audit Manager, Revenue Manager, Business Consultant, Operations Manager, Investment Banker, Finance Consultant, Stock Broker, Corporate Communication & Public Relation etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Company Secretary Firms
- Chartered Accountancy Firms
- Corporate Law Firms
- Financial Institutions
- Manufacturing Companies
- IT Companies
- Real Estate Developers
- Consulting Firms
- Accountancy Firms
- Startups
- Financial Auditing Firms
- Academia
- Legal Firms
- Private Banks
- Insurance Companies
- Healthcare Companies
- Retail & Consumer Goods Industry
- Banking & Financial Services Firms
- Telecommunication Companies
- Media & Entertainment Industry
- Energy & Power Generation Companies
- Hospitality & Tourism Organizations
- Food & Beverage Industry
- Aviation & Aerospace Companies
- Chemical & Petrochemical Companies
- Environmental & Sustainability Firms
- Venture capital & Angel Investing Firms
- Research & Development Companies
- Agribusiness & Food Processing Companies
- Legal Process Outsourcing Firms
- Logistics & Supply Chain Companies etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Public Sector Undertakings (PSU)
- Union Public Service Commission
- State Public Service Commissions
- Government Agencies
- Indian Audit and Accounts Services
- National Banks
- Indian Defense Accounts Services
- Oriental Insurance Company
- Life Insurance Corporation of India
- Indian Civil Accounts Service
- United India Insurance Company
- Indian Railway Finance Corporation Limited
- New India Insurance Company
- National Insurance Company
- NRHM (National Rural Health Mission)
- GAIL (India) Limited
- Metro Rail Corporation Ltd., etc.

IN ASSAM

- Oil and Natural Gas Corporation (ONGC)
- Oil India Limited (OIL)
- Indian Oil Corporation Limited (IOCL)
- Numaligarh Refinery Limited (NRL)
- Hindustan Paper Corporation Limited (HPCL)
- Brahmaputra Cracker and Polymer Limited (BCPL)
- Assam Gas Company Limited (AGCL)
- Tea companies (e.g., Amalgamated Plantations Pvt. Ltd. (APPL), Goodricke Group, McLeod Russel, Tata Tea, etc.)
- Cement companies (e.g., Topcem Cement, Star Cement, etc.)
- Manufacturing companies
- Construction companies
- Consultancy firms
- Universities & Colleges
- Professional institutes

- Banks and Financial Institutions (State Bank of India (SBI), Other public and private sector banks, Non-Banking Financial Companies (NBFCs))
- Law Firms
- Assam Company India Limited (ACIL)
- Bongaigaon Refinery and Petrochemicals Limited (BRPL)
- Assam Petrochemicals Limited (APL)
- CS and CA Firms etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Independent Practitioner as CS, Owning a CS firm, Freelancing Consultant etc.

KEY SKILLS REQUIRED

Analytical Thinking, Numerical Aptitude, Critical Thinking, Time Management, IT Literacy, Problem-Solving, Leadership, Communication, Adaptability, Legal Document Review, , Legal Research and Analysis, Creativity, Judgement Abilities, Risk Management & Compliance, Interpersonal, Commercial Awareness, Administrative Abilities etc.

REMUNERATION/SALARY (INDICATIVE)

- As a fresher a Company Secretary with a work experience of 0-3 years can earn upto Rs. 12,00,000 per annum.
- A Company Secretary with a work experience of 3-7 years can earn upto Rs. 25,00,000 per annum.
- A Company Secretary with work experience of 7-13 years can earn upto Rs. 36,00,000 per annum.
- A Company Secretary with work experience of more than 13 years you can earn upto Rs. 65,00,000 and more per annum.

Note: *The above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, experience, location, job profile, organization, and market conditions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Google
- Genpact
- Wipro
- Parsvnath Infra Ltd
- Birla Corporation Ltd
- HCL Technologies Ltd
- Omaxe Ltd
- ACB Group of Companies
- Punjab National Bank
- Monolith Industries Ltd.
- Shri Lal Mahal Ltd.
- Glocal Healthcare Systems Pvt Ltd.

- Trinity Reinsurance Brokers Ltd.
- Janalakshmi Financial Services Pvt Ltd
- Indian Railway Finance Corporation Ltd.
- DaVita Care (India)
- Jaypee Group
- SNG & Partners (Law Firm)
- Heinz India Pvt Ltd.
- BGM Consortium Ltd.
- TVS
- Dell Technologies
- Croma

- Karur Vysya Bank Ltd.
- OIL India Ltd.
- BESTECH India Pvt Ltd
- KPMG
- Reliance Industries
- TCS
- Infosys Technologies
- Oliver Wyman
- Cognizant
- Aditya Birla Group
- ICICI Bank
- Amazon
- Tata Steel

GAP ANALYSIS

A gap analysis of Company Secretary Career in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Company Secretary Career in India

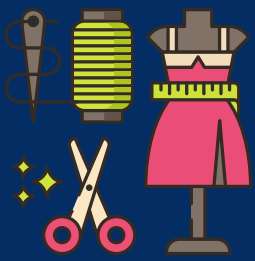
- High Demand: Company Secretaries (CS) are essential for corporate governance, compliance, and legal advisory roles, making them highly sought after in various sectors.
- Governing Body: The Institute of Company Secretaries of India (ICSI) regulates the profession, sets educational standards, and provides certification.
- Certification Process: The certification process includes passing three levels of exams - the Foundation Program, Executive Program, and Professional Program, followed by practical training.
- Employment Opportunities: Opportunities exist in corporate houses, law firms, regulatory bodies, and as independent practitioners.
- Skill Requirements: Proficiency in corporate law, governance, compliance, finance, and strategic management is essential.

2. Desired State of Company Secretary Career in India

- Advanced Skill Sets: CS professionals should possess skills in emerging areas such as risk management, corporate social responsibility (CSR), data privacy, and cybersecurity.
- Global Competency: Knowledge and skills that align with global corporate governance standards to compete internationally.
- Continuous Professional Development: Emphasis on ongoing learning and skill enhancement to keep up with industry changes.
- Technological Proficiency: Proficiency in using advanced compliance and governance tools, data analytics, and understanding emerging technologies.
- Strategic Advisory Role: CS professionals should be strategic advisors to the board and senior management, beyond compliance and governance.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN DESIGN



Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN DESIGN

A career in design offers a dynamic and creative pathway for individuals passionate about shaping the world through innovative solutions and visual storytelling. Whether in graphic design, industrial design, fashion design, or UX/UI design, designers play a pivotal role in creating products, brands, and experiences that resonate with audiences and drive positive change.

Designers are problem solvers, blending artistic flair with strategic thinking to address complex challenges and communicate ideas effectively. They collaborate with interdisciplinary teams, including engineers, marketers, and researchers, to translate concepts into tangible outcomes that delight users and enhance functionality. Beyond aesthetics, design encompasses usability, sustainability, and cultural sensitivity, reflecting the diverse needs and values of global communities.

A career in design offers abundant opportunities for growth and exploration, with avenues to specialize in areas such as branding, digital design, environmental design, and beyond. Whether working in traditional studios, tech startups, or multinational corporations, designers have the power to shape the way we interact with the world, leaving a lasting impact on society and enriching lives through creativity.

Career Domains in Design: Fashion Design, Textile & Apparel Design, Interior Design, Graphic Design, UI/UX/Web Design, Product Design, Game Design, Animation, Accessory Design, Jewelry Design, Leather Design, Industrial Design, Visual Communication Design etc

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING DESIGN IN INDIA

- ☑ Candidates from any academic background, including Science, Commerce, or Arts streams, are eligible to apply for admission to an undergraduate (UG) design course.
- ☑ To be eligible for UG level courses in design, candidates are required to clear their 10+2 education with a minimum 50% aggregate score from a recognized board.
- ☑ For postgraduate (PG) courses, candidates need to have completed a Bachelor's degree in Design or related subjects with a minimum 55% aggregate score.
- ☑ Candidates applying for the PhD in Design program must possess a Master's degree in design from an accredited institution or university, or an equivalent qualification. A minimum of 50% in their PG examinations is mandatory for eligibility.

- ☑ Some universities may require candidates to appear for entrance exams.
- ☑ Depending on the institute, candidates may need to clear additional rounds such as personal interviews or other specified criteria.
- ☑ Institutes may also impose additional requirements depending on the chosen course.

Copyright © EnrichMyCareer

POPULAR UG DEGREES/COURSES IN DESIGN IN INDIA

B.Des/BSc/BID/BFTech/BVA/BVoc etc. in domains such as Interior Design, Fashion Design, Animation, Graphic Design, Web Design, Textile Design, UI/UX Design, Fashion Technology, Product Design, Accessory Design etc..

POPULAR PG DEGREES/MASTERS IN DESIGN IN INDIA

M.Des/MSc/MFM/MFTech/ MA/MSc etc. in domains such as Interior Design, Fashion Design, Animation, Graphic Design, Web Design, Textile Design, UI/UX Design, Fashion Technology, Product Design, Accessory Design etc..

POPULAR DIPLOMA COURSES IN DESIGN IN INDIA

Diploma in Interior Design/Fashion Design/Jewellery Design/Animation & Multimedia/Textile Design etc.

POPULAR CERTIFICATION COURSES IN DESIGN IN INDIA

Interior Design, Fashion Design, Costume Design, Jewellery Design, Textile Design, Advertising Design, Product Design, Furniture Design, etc.

COMMON ENTRANCE EXAMS FOR PURSUING DESIGN COURSES IN INDIA

JUCEED, NATA, SEED, NID DAT, CEED, AIEED, NIFT, Pearl Academy Entrance Exam, WUD Aptitude Test, UID DAT, IIAD Entrance Exam, ISDI Entrance, MIT Institute of Design DAT, CEPT- Entrance, JIMS Entrance Test, FDDI Entrance Test (FDDI AIST), AIFD CAT, IICD Entrance Test etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

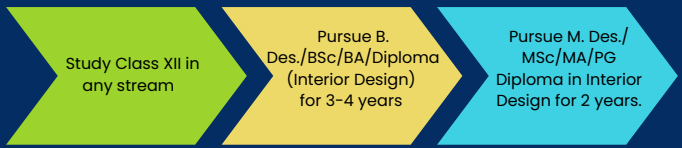
Study Class XII in Science stream with Maths → Pursue B.Sc. Fashion Design/B. Des. Fashion Design for 3-4 years → Pursue M. Des./Msc in Fashion Design for 2 years OR Pursue PG Diploma in Fashion Design.

Study/Course Pathway 2:

Study Class XII in any stream → Pursue B. Des. (Textile Design) for 3-4 years → Pursue M. Des. (Textile Design) for 2 years.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

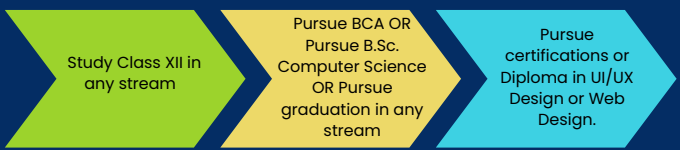
Study/Course Pathway 3:



Study/Course Pathway 4:

Study/Course Pathway 5:

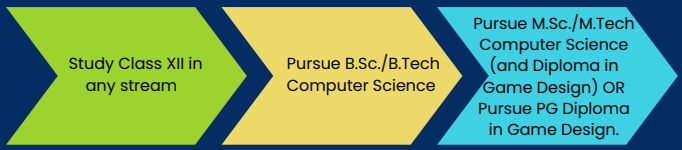
Study/Course Pathway 6:



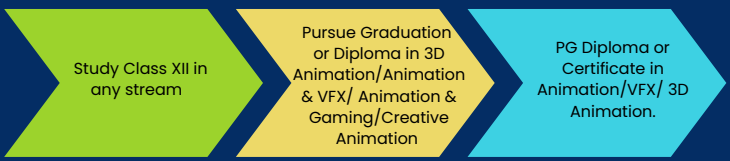
Study/Course Pathway 7:

Copyright © EnrichMyCareer

Study/Course Pathway 8:



Study/Course Pathway 9:



FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING DESIGN RELATED COURSES IN INDIA

- IITs - Multiple Campuses
- Srishti Institute of Art, Design and Technology - Bangalore
- Jagran Lake University - Bhopal
- Loyola College - Chennai
- SRM University - Chennai
- United World Institute of Design – Gandhinagar and Sohna
- Footwear Design and Development Institute of India (FDDI) - Noida
- National Institute of Design - Ahmedabad and Bangalore

- Indian Institute of Arts and Design - Delhi
- International Institute of Fashion Design - Pune and Mumbai
- Vogue Institute of Art & Design - Bangalore
- National Institute of Fashion Technology (NIFT) - Multiple Locations
- Manipal School of Architecture and Planning - Manipal
- International School of Design - Pune
- MIT Institute of Design - Pune
- Arena Animations - Multiple Locations

- Pearl Academy - Delhi, Jaipur, Mumbai
- Birla Institute of Liberal Arts and Management Sciences - Kolkata
- JD Institute of Fashion Technology - Bangalore
- World University of Design - Sonipat
- Sir J.J. Institute of Applied Art - Mumbai
- Indian School of Design and Innovation -Mumbai
- Indian Institute of Gems and Jewelry - Jaipur
- Symbiosis Institute of Design - Pune
- NIIT - Multiple Locations

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for UG and PG degree courses in Design, which require a good or qualifying score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING DESIGN RELATED COURSES IN ASSAM

- IIT Guwahati - Guwahati
- National Institute of Design (NID) - Jorhat
- Guwahati College of Design - Guwahati
- Guwahati Institute of Fashion Technology - Guwahati
- Assam Down Town University - Guwahati
- JD Institute of Fashion Technology - Guwahati
- Royal Global University - Guwahati
- NiiD - Guwahati
- Assam Science and Technology University - Guwahati
- Lakhimpur Girls' College - Lakhimpur
- Central Institute of Technology - Kokrajhar
- Guwahati College of Architecture and Planning - Guwahati
- Assam Textile Institute - Guwahati
- International Institute of Fashion Design (INIFD) - Guwahati
- MAAC Guwahati - Guwahati
- Aimfill International - Guwahati
- Haji Anfar Ali College - Nagaon
- Bards Institute of Design - Guwahati
- Residential Girls Polytechnic - Golaghat
- Tezpur University - Tezpur
- Jettwings Group of Institutes - Guwahati
- Arena Animation - Guwahati
- AND Academy – Guwahati
- ·SBMS College - Sualkuchi

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for UG and PG degree courses in Design, which require a good or qualifying score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE DESIGN RELATED COURSES

- Esmod - France
- Florence Design Academy - Italy
- New York School of Fashion Design - USA
- Fashion Institute of Technology - USA
- University of Plymouth - UK
- Carnegie Mellon University - USA
- Loughborough University - UK
- Massachusetts College of Art & Design -USA
- Stanford University - USA
- Yale University - USA
- Cornell University - USA
- Harvard University - USA
- Northern Arizona University - USA
- University College London - UK
- Maryland Institute College of Arts - USA
- Harrington College of Design - USA
- University of Alberta - Canada
- Parsons, The New School for Design - USA
- Trinity Western University - Canada
- London Jewelry School - UK
- Massachusetts Institute of Technology -USA
- University of Toronto - Canada
- School of Visual Arts - USA
- Rhode Island School of Design - USA
- Marbella Design Academy - Spain

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- University of Central Lancashire - UK
- Aalto University School of Arts, Design and Architecture - Finland
- University of Melbourne - Australia
- University of Sydney - Australia
- University of Brighton - UK
- Royal Academy of Fine Arts - Belgium
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Design abroad, they need to provide English proficiency test score of TOEFL/IELTS, SAT/ACT or relevant score for bachelor's, and GMAT/GRE or relevant test scores for master's programs. Statement of Purpose (SOP) and Letters of Recommendation (LORs) may be required.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Interior Designer, Textile Designer, Web Designer, Game Designer, Product Designer, Fashion Designer, Graphic Designer, Art Director, Industrial Designer, UI/UX Designer, Set Designer, Web Application Developer, Design & Layout Analyst, Jewelry Designer, Animator, Cartoonist, Fashion Stylist, Fashion Merchandiser, Knitwear Designer, Automobile Designer, Apparel Designer, Professor/Lecturer, Leather Designer, Visual Artist, Comic Book Illustrator, Image Editor, 3D Animator, 2D Animator etc.

Copyright © EnrichMyCareer

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Garment & Textile Export Houses
- Ecommerce Companies
- IT Companies
- Textile & Fabric Manufacturing Units
- Television & Film Industry,
- Boutiques
- Retail Chains of Apparel
- Jewellery
- Lifestyle Home Decor
- Branded Fashion Showrooms
- Design Studios
- Educational Institutes
- Architectural Firms
- Construction Firms
- Hotels
- Resorts
- Web/App Development Firms
- Real Estate Companies
- Apparel Manufactures/Wholesalers/ Retailers
- Food Delivery Companies
- Jewellery Designing Firms
- Product & Industrial Design Firms
- Engineering Design Firms
- Fashion and Luxury Retail Stores
- Accessory Designing Houses
- Interior Design and Decor
- Sportswear & Footwear Manufacturing
- Graphic Design Studios
- Advertising Agencies
- Game Design Studios
- Media Houses
- Print Publishing Companies etc.

GOVERNMENT OR PUBLIC BODIES

- Ministry of Textile
- India Design Council (Ministry of Commerce & Industry)
- Indian Silk Export Promotion Council
- National Handloom Development Corporation
- Ministry of Culture
- Ministry of Information and Broadcasting
- Ministry of Skill Development and Entrepreneurship
- Ministry of Education
- Ministry of Youth Affairs and Sports
- National Skill Development Corporation
- Ministry of Science & Technology
- Ministry of Social Justice & Empowerment
- Govt. Institutes/Universities
- Ministry of Micro, Small and Medium Enterprises
- Footwear Design & Development Institute
- Ministry of Tourism
- Ministry of Electronics & Information Technology
- National Informatics Centre, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Dharmastuti Designs & Innovations
- Livspace
- Parichay Animation Studio
- Roy Architects & Design Studio
- Assam Silk Textile Industry
- Space Insights
- Colours & Patterns
- Ashish Agarwal Interiors
- Bonfire Institute of Design
- Imperial Decor
- Royal Home Interior & Construction
- Paper Thoughts
- Jump Up High Digital Marketing & Communications
- The Assam Tribune
- Pratidin Time
- Tanishq

- Assam Co-operative Apex Weavers' and Artisans' Union Ltd
- Assam Film Development Corporation
- FabIndia
- BIBA
- Reliance Trends
- Assam Engineering Institute
- Cotton College State University
- Emami Ltd
- Dabur India Ltd
- Zomato
- Swiggy
- Prodigy Communications & Marketing
- Redolenz Advertising
- Aditya Birla Fashion & Retail
- JMK Food Products
- Thinkcept etc.

IF SELF EMPLOYED/ENTREPRENEUR

Designer Boutique, Design Studio, Online Store, Fashion Label, Retail Outlet/Chain, Graphic Design Agency, UI/UX/Web Design Firm, Fashion Consultancy, Real Estate Company, Interior Design Studio, Jewellery Brand, Apparel Brand, Fashion Technology Startup, Animation Studio, Illustration Agency, Game Development Studio, Textile Design Studio, Design Events/Exhibitions, Art Gallery, News Agency, Publication House, Media House etc.

KEY SKILLS REQUIRED

Creativity, Innovation, Imaginative, Design & Planning Skills, Sense of Style, Problem Solving, Attention to Detail, Communication Skills, Critical Thinking, Observation Skills, Interpersonal Skills, Decision Making, Team player, Patience, Resilience, Analytical Skills, Emotional Intelligence, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Entry-Level (0-2 years' experience): Salaries range from Rs. 2-5 lakhs per year. At entry level, individuals typically start their careers helping senior designers, gaining hands-on experience, & refining their skills.
- Mid-Level (3-5 years' experience): Salaries range from Rs. 5-10 lakhs per year. At this level, they have experience executing design concepts, handling client interactions, and managing workflow efficiently.
- Senior-Level (6+ years' experience): Salaries range from Rs. 10-25+ lakhs per year. At this level, they lead design teams, oversee multiple projects concurrently, and play a key role in shaping the design projects.

Note: *Above salary ranges encompass various design professions/domains such as interior design, jewelry design, fashion design, graphic design etc. The salary figures are indicative and vary based on factors such as location, organization, role, industry, and individual's skills, qualifications, & experience.*

TOP RECRUITERS

- Orient Craft
- Shahi Exports
- Maya Entertainment
- Shoppers Stop
- Amazon
- Bombay Dyeing
- Raymonds
- Arvind Garments
- Walt Disney
- Zomato
- ZEUX Innovation
- Genesis Luxury Fashion

- Manish Malhotra Design Studio
- Relaxo Footwear
- Tanishq
- Myntra
- Tata ELXSI
- Hindustan Unilever Ltd.
- Mahindra Design Studio
- Videocon
- Team Codesign
- Lifestyle Group
- Aditya Birla Fashion & Retail

- Bonito Designs
- Gitanjali Jewellery
- House of Anita Dongre
- Bewakoof
- LivSpace
- The Karighars
- Chumbak
- Junglee Games
- Nazara Technologies

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Design in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Design Career in India

- Educational Pathways: Degrees in design (B.Des, M.Des, Diplomas) offered by design institutes and universities. Fields include graphic design, fashion design, interior design, industrial design, and UI/UX design.
- Diverse Roles: Roles include graphic designers, fashion designers, interior designers, industrial designers, UI/UX designers, and design educators.
- Regulatory Framework: Institutes like the National Institute of Design (NID) and private design schools offer structured programs, though there is no central regulatory body.
- Employment Opportunities: Available in design firms, advertising agencies, fashion houses, IT companies, startups, and freelance opportunities.
- Skill Requirements: Creativity, technical skills, proficiency in design software, problem-solving, understanding of user needs, and communication skills.

2. Desired State of Design Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in design thinking, digital tools, sustainability in design, user experience research, and interdisciplinary collaboration.
- Global Competency: Knowledge and skills that align with international design standards and practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in design technologies and methodologies.
- Technological Proficiency: Proficiency in using modern design software, digital fabrication tools, virtual and augmented reality, and data-driven design tools.
- Sustainable Practices: Integration of sustainable design practices, environmental awareness, and ethical considerations in design processes.

Copyright © EnrichMyCareer

CAREER IN DIGITAL MARKETING

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN DIGITAL MARKETING

A career in digital marketing offers a dynamic and rewarding path for individuals eager to leverage their creativity, analytical skills, and passion for technology to drive business success in the digital age. As technology continues to evolve, so does the field of digital marketing, presenting a wide range of opportunities for those looking to enter or advance in the industry.

Digital marketers play a crucial role in helping businesses reach their target audiences through various online channels such as social media, search engines, email, and websites. They develop and execute strategies to attract, engage, and convert customers, utilizing tools like analytics and automation to measure performance and optimize campaigns in real-time.

One of the most appealing aspects of a career in digital marketing is its versatility. Whether your strengths lie in creative content creation, data analysis, or strategic planning, there's a niche within digital marketing that can suit your skills and interests. Additionally, the demand for digital marketing professionals continues to grow as businesses increasingly rely on digital channels to reach consumers in an ever-connected world.

Further, the digital marketing landscape is constantly evolving, providing ample opportunities for continuous learning and professional growth. Whether through online courses, certifications, or hands-on experience, digital marketers have the chance to stay ahead of trends and innovations in the field.

Different Specialization Areas in Digital Marketing: Search Engine Optimization (SEO), Search Engine Marketing (SEM), Social Media Marketing (SMM), Content Marketing, Email Marketing, E-commerce Marketing, Influencer Marketing, Mobile Marketing, Video Marketing, Social Media Advertising, Affiliate Marketing, Web Analytics, Growth Hacking, Brand Reputation Management, Blogging etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING DIGITAL MARKETING IN INDIA

☑ For Undergraduate (UG) Degree in Digital Marketing:

- Candidates should have completed their class 12 board exams from a recognized board with an average aggregate score of 50% or above, regardless of their stream.
- Admissions to UG programs can be based on either entrance exams or merit, depending on the college's admission policies.

☑ For Postgraduate (PG) Degree in Digital Marketing:

- Candidates must hold a Bachelor's Degree (e.g. BBA, BA, BSc) from a recognized board with an average aggregate score of 50% or higher.
- Additionally, to apply for PG degrees, candidates may have to pass national entrance exams or equivalent entrance exams recognized by the respective institutions.

☑ For Online Certification Course:

For individuals aspiring to become Digital Marketers, online certification courses offer a convenient and accessible option for gaining relevant skills and knowledge. There are no specific eligibility criteria for these courses; however, having cleared class 12 board exams is typically advisable.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR CERTIFICATE & OTHER COURSES IN DIGITAL MARKETING IN INDIA

Courses/Programs in Digital Marketing provided by IIM Skills, Digital Academy India, UpGrad, Digital Vidya, Great Learning etc.

POPULAR UNDERGRADUATE (UG) DEGREES IN DIGITAL MARKETING IN INDIA

BBA/BSc/BA in Digital Marketing or relevant domains.

POPULAR POSTGRADUATE (PG) DEGREES/COURSES IN DIGITAL MARKETING IN INDIA

MBA/MA/PGD in Digital Marketing or relevant domains.

COMMON ENTRANCE EXAMS FOR PURSUING DIGITAL MARKETING COURSES IN INDIA

CUET, CAT, MAT, CMAT, XAT, ATMA, MAH CET, NMAT, CUET PG, GMAT/GRE, TISS-NET, etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Digital Marketing degree courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

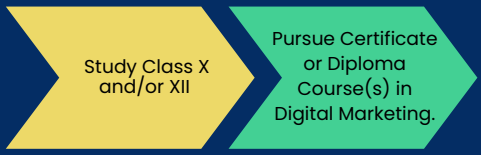
Study/Course Pathway 1:

Study/Course Pathway 2:

Copyright © EnrichMyCareer

Study/Course Pathway 3:

Study/Course Pathway 4:



FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING DIGITAL MARKETING COURSES IN INDIA

- IIMs - Multiple Campuses
- Indian School of Business (ISB) - Hyderabad
- Faculty of Management Studies - Delhi
- Amity University - Noida, Gurgaon, Mumbai
- University of Delhi - Delhi
- S.P. Jain Institute of Management and Research (SPJIMR) - Mumbai

- Tata Institute of Social Sciences – Mumbai
- Symbiosis Institute of Business Management (SIBM) - Pune
- XLRI Xavier School of Management - Jamshedpur
- Lovely Professional University - Jalandhar
- Management Development Institute (MDI) - Gurgaon
- Parul University - Vadodara

- Chitkara University - Chandigarh
- Mudra Institute of Communication, Ahmedabad
- Narsee Monjee Institute of Management Studies (NMIMS) - Mumbai
- Flame University - Pune
- Shoolini University - Solan
- Institute of Management Technology (IMT) - Ghaziabad

- Vellore Institute of Technology (VIT) - Vellore
- Birla Institute of Technology & Science - Pilani
- IIKM Business School - Chennai
- Xavier Institute of Management and Research - Mumbai
- Indian Institute of Skill Development Training - Multiple centres

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Digital Marketing, which may require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW INSTITUTES PROVIDING DIGITAL MARKETING COURSES (DEGREE/DIPLOMA/CERTIFICATE) IN ASSAM

- Assam Downtown University, Guwahati
- Center of Management Studies, Dibrugarh
- Datacom IT Institute, Guwahati
- Digiperform, Guwahati
- DIB Academy, Guwahati
- DigiAdzo, Guwahati
- NIIT Guwahati
- Nexop Academy, Guwahati
- Tech Savvy Eduventures, Guwahati
- Seven Boats Academy, Guwahati

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Digital Marketing, which may require qualifying scores from students to get admission in the institutions.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE DIGITAL MARKETING COURSES

- Harvard Business School - USA
- Northwest University - USA
- University of California, Berkeley - USA
- Middlesex University Dubai - UAE
- The Wharton School - USA
- INSEAD - Singapore/France/ Abu Dhabi
- King's College London - UK
- University of Melbourne - Australia
- University of British Columbia - Canada
- Monash University - Australia
- University College Dublin - Ireland
- Temple University - USA
- Warwick Business School - UK
- University of Southampton - UK
- Stanford University - USA
- Emlyon Business School - France
- London Business School - UK
- Geneva Business School - Switzerland

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a Digital Marketing degree abroad, they will have to provide TOEFL/IELTS scores for English proficiency, SAT/ACT scores for bachelor's courses, and GRE/GMAT scores for master's courses. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) need to be provided.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Digital Marketing Executive/Specialist/Strategist/Analyst/Consultant, Digital Marketing Manager, Content Marketer, Content Writer, Social Media Manager, SEO Manager, Email Marketer, Market Research Analyst, E-Commerce Specialist, Conversion Rate Optimizer, PPC Search Manager, Project Manager, Blogger, Web Developer, Web Analyst, Digital Marketing Head, Team Lead, Search Engine Marketer, Community Manager, Brand Manager, Influencer Marketing Manager, Affiliate Marketing Manager, Growth Hacker, UX/UI Designer, Video Marketing Specialist, Marketing Automation Specialist, Chief Marketing Officer, VP Marketing, Content Marketing Manager, Inbound Marketing Manager etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Internet Marketing Firms
- Educational Institutes
- Healthcare Organizations
- Digital Marketing Agencies
- Restaurants
- Hotels
- Advertising Agencies
- E-commerce Companies
- Technology Companies
- Media & Entertainment Companies
- Consumer Goods Companies
- Insurance Companies
- Investment Firms
- Real Estate Agencies
- Hospitality & Tourism Businesses
- Automotive Companies
- Consulting Firms
- Telecom Companies
- Fashion & Apparel Brands
- Food & Beverage Companies
- Sports and Fitness Organizations
- NGOs
- Event Management Companies
- Startups etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Digital India Corporation
- Ministry of Electronics and Information Technology (MeitY)
- Ministry of Information & Broadcasting
- Ministry of Finance
- Ministry of Labor & Employment
- Ministry of Education
- Ministry of Infrastructure
- Ministry of Skill Development and Entrepreneurship
- Ministry of Health & Family Welfare
- Public Sector Undertakings (PSUs)
- Union Public Service Commission
- State Public Service Commission
- NITI Aayog
- Export-Import Bank of India
- Securities Appellate Tribunal
- Central Board of Direct Taxes
- Union Public Service Commission
- Goods & Services Tax Network (GSTIN)
- National Stock Exchange of India
- Income Tax Dept
- Bombay Stock Exchange
- Department of Economic Affairs
- Ministry of Corporate Affairs
- Govt. Educational Institutions
- Govt. Hospitals
- Public Banks, etc.

IN ASSAM

- India Web Designs
- PromotEdge
- Brand Imprint
- Curiousmind Consulting
- Indian Institute for Finance & Management
- Image 3d conversion LLP
- GrowthBees
- Nexop Digital
- Techspidr Creations
- Scholar Academy of Learning
- Zealth Marketing
- Assam Down Town University
- Web Infotech
- Assam Digital
- Excel Foods
- Agarwal Consultancy Services
- Madify
- Heritage Insurance Brokers
- Aasray Food
- The Assam Tribune
- NE24 News
- G Plus
- Assam Tea Company
- Confetti Foods
- Apollo Hospitals
- Taj Vivanta
- Radisson Blu, etc.

- Assam Govt. (CM Office)
- Assam Startup
- Assam Health Infrastructure Development & Management Society
- Assam Police
- Assam Tourism Development Corporation
- IIT-Guwahati
- Directorate of Agriculture
- Directorate of Horticulture & Food Processing
- Department of Elementary Education
- Directorate of Handloom & Textiles
- Directorate of Sports & Youth Welfare
- Department of Skills Employment & Entrepreneurship
- Assam Industrial Development Corporation
- Assam State Transport Corporation
- Assam Small Industries Development Corporation
- Bharat Sanchar Nigam Limited (BSNL)
- Oil and Natural Gas Corporation (ONGC)
- Assam Tea Corporation
- Assam Government Marketing Corporation Limited
- Assam Gramin Vikash Bank
- Assam Financial Corporation, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Digital Marketing Agency, Social Media Management Services, Content Creation and Copywriting, SEO Consulting, E-commerce Consulting, Affiliate Marketing, Digital Products and Courses, Influencer Marketing Agency, Freelance Services, Digital Marketing Software/Tools etc.

KEY SKILLS REQUIRED

Communication Skills, Copywriting, Creativity, Analytical, Multitasking, Networking, Attention to Details, Adaptability, Collaboration, Teamwork, Time Management, Emotional Intelligence, Resilience, Empathy, Storytelling, Problem Solving, Creative Thinking, Presentation Skills, Observation Skills, Innovative etc.

REMUNERATION/SALARY (INDICATIVE)

In India, salaries for digital marketing professionals vary based on various factors. Here's a general overview of the remuneration ranges based on experience levels:

- Entry-level (0-2 years' experience): They can expect to earn annual salaries ranging from Rs. 2 - 5 lakhs.
- Mid-level (2-5 years' experience): They can expect salaries ranging from Rs. 5 - 15 lakhs per year.
- Senior-level (5+ years of experience): They can earn annual salaries ranging from Rs. 15 - 35 lakhs.
- Senior Managerial and Executive Roles: They earn annual salaries ranging from Rs. 30 lakhs - 1 crore+.

Note: *The above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, experience, location, job profile, organization, industry, and market conditions. Additionally, salaries may also include non-monetary benefits such as healthcare, retirement benefits, flexible work arrangements, and professional development opportunities.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Accenture
- Google
- Microsoft
- TCS
- IBM
- Sony
- Samsung
- Genpact
- Amazon
- Flipkart
- Myntra
- FoxyMoron Media Solutions

- Maruti Suzuki
- Times of India
- Swiggy
- Zomato
- HDFC Bank
- ICICI Bank
- Zoho
- Emirates
- YourStory
- Meta (Facebook)
- India TV
- Lakme

- Sugar Cosmetics
- Nykaa
- PayTm
- Apollo Hospitals
- Xebec Digital
- WATConsult
- Social Panga
- iStrat
- Webchutney
- To The New Digital
- Mirum India
- AdGlobal360

GAP ANALYSIS

A gap analysis of a prospective career in Digital Marketing in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Digital Marketing Career in India

- Educational Pathways: Various educational programs are available, including certificates, diplomas, and degrees (BBA, MBA with a specialization in digital marketing). Numerous online courses and bootcamps also offer specialized training.
- Diverse Roles: Roles include digital marketing managers, SEO specialists, content marketers, social media managers, PPC specialists, email marketers, and analytics experts.
- Regulatory Framework: No formal regulatory body; however, professional certifications from Google, HubSpot, Facebook (Meta), and other platforms are widely recognized.
- Employment Opportunities: Available in advertising agencies, digital marketing firms, IT companies, startups, and other organizations, as well as freelance consultants.
- Skill Requirements: SEO, SEM, content creation, social media management, data analysis, email marketing, proficiency in digital marketing tools, and strong communication skills.

2. Desired State of Digital Marketing Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in data-driven marketing, automation, artificial intelligence (AI) in marketing, advanced analytics, and integrated marketing strategies.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- Global Competency: Knowledge and skills that align with international digital marketing standards and best practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with rapidly evolving digital marketing technologies and trends.
- Technological Proficiency: Proficiency in using cutting-edge digital marketing tools, AI, machine learning, marketing automation platforms, and advanced analytics software.
- Ethical Marketing Practices: Integration of ethical marketing practices, data privacy, and transparency in digital marketing strategies.

Copyright © EnrichMyCareer

CAREER IN ECONOMICS

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN ECONOMICS

Economics is the study of how individuals, businesses, governments, and nations make choices about allocating resources. It is divided into two main branches: microeconomics, which focuses on individual decision-making units such as households and firms, and macroeconomics, which examines the whole economy, including factors like inflation, unemployment, and economic growth.

Economics blends aspects of social sciences with mathematical models and statistical analyses to explain complex economic phenomena. Whether you aspire to conduct groundbreaking research, shape public policy, inform financial decisions, or provide strategic advice to organizations, economics provides a robust framework for addressing pressing economic challenges and driving positive change.

Governments rely on economic analysis to design and implement policies aimed at promoting economic growth, reducing unemployment, controlling inflation, and fostering social welfare. Similarly, businesses use economic principles to inform their strategic planning, pricing decisions, and resource allocation strategies. At the individual level, understanding basic economic concepts can empower individuals to make informed choices about their personal finances, career paths, and consumption behaviour.

A career in economics offers promising opportunities in a globalized world. The demand for economists is soaring across industries, particularly in consulting firms and economic research organizations.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING ECONOMICS IN INDIA

The requirements for admission to an Economics course at the undergraduate or graduate level may vary depending on the university/college:

- ☑ Candidates who have completed their 10+2 with a minimum of 50 percent marks in any stream from a recognized board can enroll themselves in a bachelor's course.
- ☑ Few institutions require 10+2 Maths as a mandatory criterion for admissions.
- ☑ For pursuing a Master's in Economics, one should have a bachelor's degree in Economics with a minimum percentage between 45-50 percent marks from a recognized university.
- ☑ To pursue a doctoral degree in Economics, the candidate should hold a master's degree from a recognized university and should clear UGC-NET.
  Candidates also need to clear some national or state level exams to be eligible to pursue economics.

***Note:**. Those candidates who have pursued Mathematics are favored for UG courses in Economics since Statistics is one of the major subjects offered both in UG and PG courses in Economics. There are no entrance tests for certification courses in Economics.*

Copyright © EnrichMyCareer

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING INDIAN ECONOMIC SERVICE IN INDIA

- ☑ A postgraduate degree in Economics/Applied Economics/Business Economics/Econometrics is required.
- ☑ Age should be between 21 years to 30 years.

POPULAR UNDERGRADUATE (UG) AND INTEGRATED DEGREES/COURSES RELATED TO ECONOMICS IN INDIA

B.B.A/B.B.A(Hons)/ B.Com./ B.Sc./B.Sc. (Hons)/ BA/BA (Hons) etc. in Economics/Economics & Public Policy/Economics and Mathematics (or Statistics or Political Science)/Economics with Data Science/ Politics, Economics and Analytics/Finance and Economics/Economics, Mathematics and Statistics etc.

POPULAR POSTGRADUATE (PG) OR MASTER'S DEGREES/COURSES RELATED TO ECONOMICS IN INDIA

MA /MSc / MBA / MPhil / MEcon etc. in Economics/Applied Economics/ Business Economics/ Managerial Economics/Financial Economics/International Economics/Development Economics/Agricultural Economics/Econometrics/Quantitative Economics/Energy Economics etc.

POPULAR POSTGRADUATE (PG) DIPLOMA COURSES RELATED TO ECONOMICS IN INDIA

Post Graduate Diploma in Economics /Applied Economics / Development Economics/Business Economics/Environmental Economics/ Health Economics/ Industrial Economics/ International Economics/ Financial Economics/ Quantitative Economics/Agricultural Economics/Applied Statistics with specialization in Economics etc.

POPULAR PHD PROGRAMS RELATED TO ECONOMICS IN INDIA

PhD in Economics/Economics and Finance/ Agricultural Economics/Law and Economics/Development Economics/Environmental Economics/ International Economics/Political Economy/Econometrics/Energy Economics/Public Policy etc.

***Note:**. Candidates pursuing advanced studies in economics can enroll in specialized courses covering a range of disciplines, including Development Economics, Environmental Economics, Agricultural Economics, Energy Economics, Econometrics, Behavioral Economics, Macroeconomics, Microeconomics, and more.*

COMMON ENTRANCE EXAMS FOR PURSUING ECONOMICS COURSES IN INDIA

DUET, IPU CET, BHU UET, JNUEE, PUBDET, UGC NET, CUET, IGNOU, AAT, TISSNET, NPAT, DUJAT, SET, CUET PG etc.

***Note:**. .The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India at the UG and PG levels.*

COMMON ENTRANCE EXAMS FOR PURSUING INDIAN ECONOMIC SERVICE IN INDIA

Indian Economic Service (IES) and Indian Statistical Service (ISS) exam is conducted by Union Public Service Commission (UPSC). The examination consists of a written examination followed by an interview conducted by a panel of experts. Successful candidates are appointed as IES officers and are posted to various government departments.

Copyright © EnrichMyCareer

OTHER ENTRANCE EXAMS FOR PURSUING ECONOMICS RELATED CAREER/JOB IN GOVERNMENT

RBI Grade B DEPR (Department of Economic and Policy Research) exam and SSC CGL exam.

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1 :

Study Class 12 in Any Stream with/without Economics (Maths is compulsory → Graduation + Post-graduation: Pursue M.Sc (or MA) Integrated Program in Economics for 5 years.

Study/Course Pathway 2:

Study Class 12 in any Stream with/without Economics (Maths is preferred) → Pursue B.Sc in Economics → Pursue M.Sc in Economics.

Study/Course Pathway 3:

Study Class 12 in Any Stream with/without Economics (Maths is compulsory) → Pursue Graduation in B.A.(H) Economics/BBA-FIA/BMS for 3 years → Pursue Masters in field you want to do specialization in (Economics, International Economics, Applied Economics etc.) → Pursue M.Phil/PhD or take up a Job.

Study/Course Pathway 4:

Study Class 12 in Any Stream with/without Economics (Maths is compulsory) → Pursue Graduation in B.A.(H) Economics/B.A. (H) in Business Economics /BBA-FIA/BMS for 3 years → Pursue Postgraduation or Masters in Management/Any Other Related Discipline for 2-3 years → Pursue PhD for 2-3 years or take up a Job.

Note: *: After the completion of a UG (Bachelor's) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a PG degree for advanced or specialized studies.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS FOR PURSUING INDIAN ECONOMIC SERVICE

Study/Course Pathway 1:

Study Class 12 in Any Stream with Maths → Pursue Graduation in Economics/Applied Economics → Pursue MA in Economics/Applied Economics → Pursue Postgraduation and clear UPSC IES exam.

Study/Course Pathway 2:

Study Class 12 in Any Stream with Maths → Pursue Graduation in Economics/Statistics → Pursue Masters in Economics/Statistics → Pursue Postgraduation and clear UPSC IES exam.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ECONOMICS COURSES IN INDIA

- Delhi School of Economics (DSE), Delhi
- Shri Ram College of Commerce (SRCC), Delhi
- St. Stephen's College, Delhi
- Ashoka University, Sonepat
- Lady Shri Ram College for Women, Delhi
- St. Xaviers University, Kolkata
- Fergusson College, Pune
- Loyola College, Chennai
- Madras Christian College, Chennai
- OP Jindal University, Sonipat
- KREA University, Sricity, Andhra Pradesh

- ISB Hyderabad
- NMIMS, Multiple Campuses
- Christ University, Bangalore
- Jadavpur University, Kolkata
- IIT-Kharagpur, Kharagpur
- Hindu College, Delhi
- Hansraj College, Delhi
- Miranda House, Delhi
- Dr Bhim Rao Ambedkar College, Delhi
- Shoolini University, Solan, HP
- Stella Maris College, Chennai
- DAV College, Chandigarh

- St. Xavier's College, Mumbai
- Symbiosis College of Arts & Commerce, Pune
- Jawaharlal Nehru University, Delhi
- Aligarh Muslim University, Aligarh
- Mithibai College, Mumbai
- Amity University, Greater Noida
- Mount Carmel College, Bangalore
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Many institutions conduct (or consider) entrance exams for UG and PG degree courses in Economics, which require a qualifying score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ECONOMICS COURSES IN ASSAM

- Assam University, Silchar
- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- Bodoland University, Kokrajhar
- Krishna Kanta Handiqui State Open University, Guwahati
- Royal Global University, Guwahati
- Cotton University, Guwahati
- Bahona College, Jorhat
- Assam Don Bosco University, Guwahati
- Arya Vidyapeeth College, Guwahati
- Pragjyotish College, Guwahati
- B Borooah College, Guwahati
- KC Das Commerec College, Guwahati
- Nowgong College, Nagaon
- Anandaram Dhekial Phookan College, Nagaon
- Hojai College, Hojai
- Bapujee College, Barpeta
- Mangaldai College, Mangaldai
- Bir Lachit Borphukan College, Sivasagar
- Dakshin Kamrup College, Mirza
- Darrang College, Tezpur
- Debraj Roy College, Golaghat
- Dhemaji College, Dhemaji
- Doom Dooma College, Tinsukia
- Fakiragram College, Kokrajhar
- Bongaigaon College, Bongaigaon
- Rangia College, Rangia
- Goalpara College, Goalpara
- Tangla College, Tangla
- Dimoria College, Khetri
- Lumding College, Lumding
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for UG and PG degree courses in Economics, which require a qualifying score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE ECONOMICS COURSES

- Harvard University – USA
- Stanford University – USA
- University of Oxford – UK
- Yale University – USA
- University of Chicago – USA
- University of California, Berkeley – USA
- University of Cambridge – UK
- Massachusetts Institute of Technology – USA
- Princeton University – USA
- University College London – UK
- Columbia University – USA
- New York University – USA
- Cornell University – USA
- Imperial College of London – UK
- Cardiff University – UK
- University of Warwick – UK
- University of Toronto – Canada
- The University of Western Ontario – Canada
- Dalhousie University – Canada
- University of Melbourne – Australia
- The University of Queensland - Australia
- London School of Economics (LSE) & Political Science - UK
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study Economics abroad, they will have to provide TOEFL/IELTS scores for English proficiency, SAT/ACT scores for bachelor's programs, and GRE/GMAT scores for master's programs. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) need to be provided.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Analyst, Research Assistant, Assistant Professor, Administrator, Economist, Banker, Market Research Analyst, Economic Consultant, Financial Research Analyst, Risk Management, Credit Rating, Business Analyst, Policy Advisor, Economic Service Officer, Investment Consultant, Risk Analyst, Data Analyst, Management Consultant, Business Consultant, Finance & Budget Analyst, Investment Analyst, Actuary, Supply Chain Analyst, Equity Analyst, Economic Journalist, Professional Economist, Financial Planner, Junior research Fellow, Economics Officer, Associate Analyst, Economics Instructor, Statistician, Strategist, Operations Research Analyst, Insurance Underwriter, Budget Analyst, Sales Analyst, Investment Administrator, Business Reporter, Stockbroker, Urban Planner, Regional Planner etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Research & Consultancy Firms
- Private Banks
- Educational Institutes (e.g. Ashoka University, Christ University etc.)
- Financing Agencies
- Marketing Companies
- BPOs
- MNCs
- Insurance and Accountancy Firms
- Investment Banks
- Socio-economic Research Centers
- Financial Institutions
- Consulting Firms
- Corporates
- Economic Research Institutions
- Development Agencies
- NGOs
- Foundations
- Startups
- Technology Companies
- Data Analytics Companies
- Stock Exchanges
- Actuarial Firms
- Think Tanks etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Centre for Monitoring Indian Economy
- Economic Development Agencies
- NITI Aayog
- Invest India
- Ministry of Finance (esp. Dept. of Economic Affairs)
- Ministry of Commerce and Industry
- Ministry of Agriculture and Farmers Welfare
- Ministry of Corporate Affairs
- Ministry of External Affairs
- Ministry of Labour and Employment
- Ministry of Statistics and Programme Implementation
- Reserve Bank of India (RBI)
- National Bank for Agriculture and Rural Development (NABARD)
- Central Board of Direct Taxes (CBDT)
- Central Board of Indirect Taxes and Customs (CBIC)
- United Nations Economic and Social Commission for Asia and the Pacific
- Regulatory Bodies (IRDAI, CCI, RBI, SEBI etc.)
- Research Institutions (e.g. National Council of Applied Economic Research)
- Institute for Social and Economic Change
- Indian Council for Research on International Economic Relations (ICRIER)
- Institute of Economic Growth (IEG)
- National Institute of Public Finance and Policy
- Public Sector Enterprises
- Public Educational Institutes/Universities
- Indian Economic Services
- National Banks
- Indian Revenue Services
- State Public Service Commissions
- Union Public Service Commission
- Indian Statistical Services
- Life Insurance Corporation of India
- World Bank
- IMF
- Asian Development Bank
- Confederation of Indian Industry (CII) etc.

IN ASSAM

- HDFC Bank
- ICICI Bank
- IDFC First Bank
- Ernst & Young (EY)
- Deloitte
- Mott MacDonald
- North East Small Finance Bank
- Kotak Mahindra Bank
- Standard Chartered Bank
- Bandhan Bank
- Tata Trust
- Kaziranga University
- Assam Don Bosco University
- Royal Global Universit
- Atma Nirbhar – Ek Challenge
- Rashtriya Gramin Vikas Nidhi
- UN Development Programme Regional Office
- Assam Chamber of Commerce
- Dibrugarh University
- Gauhati University

- Assam Trade Promotion Organization
- Assam Industrial Development Corporation
- Assam Financial Corporation
- Directorate of Economics and Statistics
- NEDFi
- State Bank of India
- Punjab National Bank
- Assam Gramin Vikash Bank
- The Assam Co-operative Apex Bank
- Bank of Baroda
- Union Bank of India
- Industries & Commerce Department (Govt. of Assam)
- Invest Assam
- Assam University
- Cotton University etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Own - Consulting Firm, Research Company, Economic Development Consultancy, Data Analytics Company, Financial Services Firm, Social Impact Startup, E-Commerce Business, Economic Research Firm, Technology Startup, Education & Training Academy, Import-Export Business, Fintech/EdTech Startup, Tourism & Hospitality company, Supply Chain Management firm etc

KEY SKILLS REQUIRED

Research, Analytical, Statistical, Communication Skills, Problem Solving, Qualitative Research, Critical Thinking, Interpersonal Skills, Curiosity, Attention to Detail, Writing, Leadership, Decision Making, Mathematical Aptitude, Data Visualization, Adaptability, Coordination, Emotional Intelligence etc.

REMUNERATION/SALARY (INDICATIVE)

Entry-Level:
- Indian Economic Service (IES): Rs. 56,100 - 1,77,500 per month
- Private Sector: Rs. 3,00,000 - 6,00,000 per annum
- Academia/Research Institutions: Rs. 5,00,000 - 8,00,000 per annum

Mid-Level:
- Indian Economic Service (IES): Rs. 1,23,100 - 2,15,900 per month
- Private Sector: Rs. 8,00,000 - 15,00,000 per annum
- Academia/Research Institutions: Rs. 8,00,000 - 12,00,000 per annum

Senior-Level:
- Indian Economic Service (IES): Rs. 1,44,200 - 2,25,000+ per month (Additional Secretary/Secretary level)
- Private Sector: Rs. 20,00,000 - 40,00,000+ per annum (Chief Economist/Experienced Professionals)
- Academia/Research Institutions: Rs. 12,00,000 - 18,00,000+ per annum (Associate Professors/ Heads of Institutions)

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualifications, skills, experience, location, the job profile, organization, and market conditions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- KPMG
- The Economist
- World Bank
- International Monetary Fund (IMF)
- PwC
- Shell
- Google
- Confederation of Indian Industry (CII)
- Indian Department of Economic Affairs
- Aligarh Muslim University
- Chitkara University
- ICICI Bank
- HDFC Bank
- Merchant Capital
- Axis Bank
- Reserve Bank of India (RBI)
- Citi Bank
- Kotak Mahindra Bank
- Accenture
- Capgemini

- Infosys
- IBM Group
- Wipro Technologies
- Genpact
- Venture Capital Firms
- Indian Economic Services (IES)
- McKinsey & Company
- Boston Consulting Group (BCG)
- Bain & Company
- EY (Ernst & Young)
- Credit Suisse
- Reliance Industries Limited
- Deloitte
- Goldman Sachs
- J.P. Morgan
- Tata Consultancy Services
- NITI Aayog
- CRISIL
- Aditya Birla Group
- Others

GAP ANALYSIS

A gap analysis of a prospective career in Economics in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Economics Career in India

- Educational Pathways: Degrees in economics (B.A., M.A., M.Sc., M.Phil., Ph.D.) offered by numerous universities and colleges. Specializations include microeconomics, macroeconomics, econometrics, development economics, and international economics.
- Diverse Roles: Roles include academic researchers, policy analysts, financial analysts, economic consultants, data analysts, and roles in government, international organizations, and private sector firms.
- Regulatory Framework: University Grants Commission (UGC) oversees higher education institutions. Research and policy institutions often work under or with government agencies and international organizations.
- Employment Opportunities: Available in academia, research institutions, government agencies, international organizations (like the World Bank, IMF), financial institutions, and private sector companies.
- Skill Requirements: Analytical skills, quantitative methods, proficiency in statistical software (like STATA, R, Python), understanding of economic theories and policies, and strong communication skills.

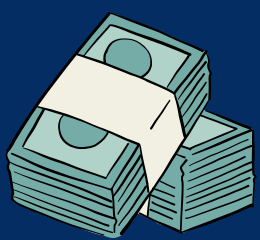
Copyright © EnrichMyCareer

2. Desired State of Economics Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in econometrics, data analysis, policy analysis, computational economics, and interdisciplinary research.
- Global Competency: Knowledge and skills that align with international economic research standards and practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in economic research and analytical tools.
- Technological Proficiency: Proficiency in using advanced statistical software, big data analytics, machine learning, and computational tools for economic analysis.
- Policy and Impact Orientation: Integration of practical policy analysis, impact evaluation, and sustainable economic practices.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN FINANCE & COMMERCE



Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN FINANCE & COMMERCE

A career in finance & commerce offers a multitude of opportunities for individuals with a passion for business, numbers, and strategic decision-making. In today's globalized economy, finance & commerce professionals play a vital role in driving economic growth, managing financial resources, and shaping the direction of businesses and organizations. Whether it's analyzing market trends, managing investment portfolios, or developing financial strategies, professionals in this field can make a significant impact.

One of the most appealing aspects of a career in finance & commerce is the diversity of roles available. From accounting and auditing to investment banking and financial planning, there are numerous paths one can take to build a successful career.

Moreover, the field of finance & commerce is constantly evolving, offering ample opportunities for growth and advancement. With advancements in technology and changes in regulations, professionals in this field must stay updated on industry trends and developments to remain competitive. Pursuing advanced degrees, professional certifications, or continuing education programs can help individuals stay ahead of the curve and unlock new opportunities for career advancement.

So, if you are passionate about numbers, strategic planning, or helping clients achieve their financial goals, a career in finance & commerce offers endless possibilities for growth, success, and fulfilment.

Note: *Few popular Career Options related to Finance & Commerce such as Chartered Accountancy, Company Secretaryship, Banking, Stockbroking, and Actuarial Science are covered separately in detail in this Career Handbook.*

FEW SPECIALISATION AREAS IN FINANCE & COMMERCE

Banking & Financial Services, Corporate Finance, Investment Banking, Wealth Management, Risk Management, Insurance & Actuarial Science, Capital Markets & Security Analysis, Asset Management, Financial Reporting & Accounting, Public Accounting, Compliances & Internal Control, Portfolio Management, Commercial Banking, Personal Banking, Equity Research, Export-Import Management, Family Business Management, Foreign Trade Management, etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING FINANCE & COMMERCE IN INDIA

- ☑ Candidates must have cleared their Class 12th from the commerce stream with a minimum of 45-60% aggregate marks or an equivalent CGPA from a recognized board or university.
- ☑ Candidates must clear the entrance exams required by colleges or universities for specific courses.
- ☑ Candidates must have studied Mathematics or Statistics as compulsory subjects at the 10+2 level to be eligible for admission into certain degree programs.
- ☑ Candidates must hold a bachelor's/undergraduate (UG) degree with a minimum aggregate of 50% or an equivalent CGPA from a recognized board or university to pursue postgraduate (PG) degrees and/or courses.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG & PG DEGREES IN FINANCE & COMMERCE IN INDIA

BCom/ BBA/ BSc/ BCA/ BA/ BAF/ BBS/ BBI/ BFT/ BFM/ BAT etc. in relevant domains

MCom/ MBA/ MSc/ MCA/ MA etc. in relevant domains

POPULAR DIPLOMA COURSES IN FINANCE & COMMERCE IN INDIA

Diploma in Financial Management/ Accounting & Finance etc. and PG Diploma in Accountancy/Financial Management/Insurance Management etc.

POPULAR PROFESSIONAL CERTIFICATION COURSES IN FINANCE & COMMERCE IN INDIA

Chartered Accountancy (CA) course, Company Secretary (CS) course, Chartered Financial Planner (CFP) course, Chartered Financial Analyst (CFA) course, Financial Risk Manager (FRM) course, Certified Public Accountant (CPA) course, Chartered Alternative Investment Analyst (CAIA) etc.

Note: *Professional courses mentioned above can be pursued concurrently with traditional undergraduate (UG) degrees in Finance/Commerce.*

COMMON ENTRANCE EXAMS FOR PURSUING FINANCE AND/OR COMMERCE COURSES IN INDIA

CUET, IPU CET, JNU EE, CAT, MAT, CMAT, NPAT, SAT, APICET, MAHCET, UPSEE, TSICET, GMAT, XAT etc.

COMMON ENTRANCE EXAMS FOR PURSUING PROFESSIONAL FINANCE COURSES IN INDIA

Common Proficiency Test of ICAI, Foundation Exam of ICSI and ICWAI, Entrance Exam of ICFAI, etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Finance and/or Commerce courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Copyright © EnrichMyCareer

Study/Course Pathway 2:

Study Class XII in Commerce stream. → Pursue Bachelor's in Finance/BFIA/B.Com(H) for 3-4 years . → Pursue Postgraduation Diploma in Finance/MBA/Masters in Finance/Banking & Financial Services/ Investment Management etc. or Certification Program like CFA/CA/CS etc.

Study/Course Pathway 3:

Study Class XII in Commerce stream. → Pursue Professional Certification Course in Chartered Accountancy/Company Secretary/Cost Accountancy etc. → Pursue Postgraduation Diploma in Finance/ MBA/Master's in Finance or Certification Program like CFA etc.

Study/Course Pathway 4:

Study Class XII in Commerce stream. → Pursue Bachelor's in Finance/BFIA/ B.Com(H) for 3-4 years. → Pursue Certification/ Diploma Program in Finance.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING FINANCE AND/OR COMMERCE COURSES IN INDIA

- ICAI - Multiple Locations
- ICSI - Multiple Locations
- ICWAI - Multiple Locations
- International College of Financial Planning - New Delhi, Mumbai, Mysore
- University of Delhi - Delhi
- University of Calcutta - Kolkata
- University of Mumbai -Mumbai
- SP Jain Institute of Management and Research - Mumbai
- Christ University - Bangalore
- Amity University - Noida
- Woxsen University - Hyderabad
- Shri Ram College of Commerce - Delhi
- Lady Shree Ram College for Women - Delhi
- Loyola College - Chennai
- Hindu College - Delhi
- St. Joseph's College of Commerce - Bangalore
- Hansraj College - Delhi
- Narsee Monjee Institute of Management Studies - Mumbai
- ICFAI Business School - Hyderabad
- Fergusson College - Pune
- St. Stephen's College - Delhi

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- Sri Guru Gobind College of Commerce - Delhi
- Jai Hind College - Mumbai
- Mithibai College of Arts, Commerce, and Science - Mumbai
- Indian School of Business & Finance - Delhi
- St. Xavier's College - Mumbai

- Indian Institute of Management (IIM) - Multiple Locations
- Banaras Hindu University - Varanasi
- Shaheed Sukhdev College of Business Studies - Delhi
- H.R. College of Commerce & Economics - Mumbai

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Finance and/or Commerce, which may require qualifying scores from students to get admission in the institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING FINANCE AND/OR COMMERCE COURSES IN ASSAM

- KC Das Commerce College, Guwahati
- Gauhati Commerce College, Guwahati
- Girijananda Chowdhury Institute of Management and Technology, Guwahati
- Assam University, Silchar
- Duliajan College, Duliajan
- Bodoland University, Kokrajhar

- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- Tezpur University, Tezpur
- Assam Downtown University, Guwahati
- CKB Commerce College, Jorhat
- Pragjyotish College, Guwahati
- Arya Vidyapeeth College - Guwahati

- Assam Don Bosco University, Guwahati
- Royal Global University, Guwahati
- Assam Kaziranga University
- B Borooah College, Guwahati
- North Eastern Regional Institute of Management (NERIM), Guwahati
- Golaghat Commerce College, Golaghat

- Bongaigaon College, Bongaigaon
- Nowgong College, Nagaon
- Dhemaji Commerce College, Dhemaji
- BH College, Barpeta

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Finance and/or Commerce, which may require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE FINANCE AND/OR COMMERCE COURSES

- London School of Economics and Political Science, UK
- Harvard University, USA
- Stanford University, USA
- University of Pennsylvania, USA
- University of Manchester, UK
- University of Nottingham, UK

- Massachusetts Institute of Technology, USA
- New York University, USA
- The University of Texas, USA
- University of Toronto, Canada
- The University of British Columbia, Canada
- University of Waterloo, Canada

- National University of Singapore, Singapore
- University of Melbourne, Australia
- University of Sydney, Australia
- University of Glasgow, UK
- Webster University Geneva, Switzerland

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study Finance/Commerce abroad, they will have to provide TOEFL/IELTS scores for English proficiency, SAT/ACT scores for bachelor's courses, and GRE/GMAT scores for master's courses. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) need to be provided.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Financial Analyst, Chartered Accountant, Wealth Manager, Company Secretary, Investment Banker, Financial Manager, Risk Manager, Portfolio Manager, Banker, Insurance Agent, Accountant, Financial Advisor, Financial Controller, Financial Planning & Analyst, Chief Financial Officer, Accounts Executive, Auditor, Loan Officer, Foreign Trade Manager, Asset Manager, Tax Policy Analyst, Budget Analyst, Credit Analyst, Financial Planner, Stockbroker, Mortgage Advisor, Internal Auditor, Tax Auditor, Treasury, Forensic Auditor, Manager - Capital Markets, Management Consultant, Bank Manager, Cost Accountant, Actuary, Research Analyst, Statistician, Certified Public Accountant, Chartered Financial Analyst, Business & Tax Accountant, Compliance Officer, Corporate Planner, Commodities Trader, Branch Manager, Advocate, Legal Advisor, Actuarial Analyst, Private Equity & Venture Capitalist etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Banks
- Finance Companies
- Financial Institutions
- Insurance Companies
- Mutual Funds
- Accounting Firms
- CA and CS Firms
- Investment Banks
- Taxation Firms
- Credit Rating Agencies
- Private Equity Firms
- Consulting Companies
- Investment Companies
- Treasury Management Firms
- Multinational Companies
- Healthcare Companies
- Retail Industry
- Manufacturing Industry
- FMCG Industry
- Automobile Industry
- Real Estate Companies
- Hospitality & Tourism Industry
- Logistics & Transport Industry
- Energy Sector
- Agriculture Industry
- Pharma Industry
- Telecom Industry
- Entertainment Industry etc.

GOVERNMENT OR PUBLIC BODIES

- Securities & Exchange Board of India
- Comptroller & Auditor General of India
- Department of Economic Affairs
- Insurance Regulatory & Development Authority of India
- Employees' Provident Fund Organization
- Small Industries Development Bank of India
- National Bank for Agriculture and Rural Development
- National Institute of Public Finance and Policy
- Pension Fund Regulatory & Development Authority
- National Institute of Securities Markets
- National Payments Corporation of India
- Reserve Bank of India
- Public or Nationalized Banks
- Ministry of Finance
- Export-Import Bank of India
- Securities Appellate Tribunal
- Central Board of Direct Taxes
- Union Public Service Commission
- Goods & Services Tax Network (GSTIN)
- National Stock Exchange of India
- Income Tax Dept
- Bombay Stock Exchange
- Department of Economic Affairs
- Ministry of Corporate Affairs

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Lakshmi North East Solutions
- Nemcare Hospitals
- Sunflag Household
- Ambe Wired
- Godrej Consumer
- SRD Nutrients
- Brahmaputra Carbon
- Sundaram Foods
- North East Roofing
- Purbanchal Cement
- Brahmaputra Rolling Mills
- Griha Sakti
- Brahmaputra Paper Products
- Kishlay Snacks Products
- Radiant Manufactures
- Progressive Fertichem
- ICICI Bank
- Danish Micro Finance
- ICICI Prudential Life Insurance
- Bajaj Allianz Life Insurance
- Hari Singh & Associates
- Kiranshree Hotels
- Delhivery
- DTDC
- Assam Industrial Development Corporation
- HDFC Bank

- Septy Pharmaceuticals
- Tata Communication
- Annapurna Group
- Shree Building Solutions
- Taj Vivanta
- Directorate of Accounts & Treasuries
- Assam State Electricity Board
- Assam Financial Corporation
- Assam State Transport Corporation
- Directorate of Audit (Local Fund)
- Directorate of Economics and Statistics
- Directorate of Agriculture
- Directorate of Small Savings
- Assam Public Service Commission
- Directorate of Inland Water Transport
- Directorate of Land Records & Surveys
- Directorate of Municipal Administration
- Oil India Ltd
- Assam Petrochemicals Ltd
- Numaligarh Refinery Limited
- Brahmaputra Cracker & Polymer Limited
- Assam Power Generation Corporation Limited
- Guwahati Metropolitan Development Authority
- Bigmind Consulting
- RateperSQFT

IF SELF EMPLOYED/ENTREPRENEUR

Private Practice, Financial Consulting/Planning Firm, Tax Planning & Advisory Service, Accounting Firm, Financial Education & Training firm/institute, Venture Capitalist/Angel Investor, Forensic Accounting Services, Corporate Governance Consulting, Financial Compliance Firm, Investment Advisory Firm, Wealth Management Boutique, Corporate Restructuring Services, Compliance Auditing Firm, Risk Advisory Services, Financial Technology (Fintech) Startup, Corporate Finance Advisory, Blockchain and Cryptocurrency Advisory, Financial Wellness Platform, Sustainable Finance Consulting Firm, Family Office Services etc.

Copyright © EnrichMyCareer

KEY SKILLS REQUIRED

Communication Skills, Analytical Skills, Quantitative Skills, Problem Solving, Critical Thinking, Teamwork, Attention to Details, Ability to work under pressure, Integrity, Professionalism, Interpersonal Skills, Adaptability, Time Management, Ethical Judgement, Stress Management, Emotional Intelligence, etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-level positions: have an annual salary range of Rs. 3 - 6 lakhs. It includes Financial Analyst Trainee, Investment Banking Analyst, Junior Accountant, Risk Management/Wealth Management Associate, etc.
- Mid-level positions: have an annual salary range of Rs. 6 - 18 lakhs. It includes Senior Financial Analyst, Investment Banking Associate, Corporate Finance Manager, Senior Accountant, Portfolio Manager etc.
- Senior-level positions: have an annual salary range of Rs. 0.18 - 1.2 crore. It includes Investment Banking VP, Chief Financial Officer, Finance Director, Senior Risk Manager, Head of Wealth Management etc.

Note: *The above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, experience, location, job profile, specific finance field, organization, and market conditions.*

TOP RECRUITERS

- Deloitte
- Ernst & Young (EY)
- KPMG
- PwC
- TCS
- Accenture
- HDFC Bank
- Goldman Sachs
- Morgan Stanley
- JP Morgan Chase
- Barclays
- Infosys

- Procter & Gamble
- Boston Consulting Group
- Axis Bank
- Max Life Insurance
- CARE Ratings
- DSP Merrill Lynch
- Deutsche Equities India
- Amazon
- L&T Finance Limited
- Microsoft
- Meta (Facebook)

- Wipro
- Google
- Bharti Airtel
- Genpact
- ITC
- Bajaj Capital Limited
- LIC
- ICICI Bank
- Canara Bank
- State Bank of India

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Finance and Commerce in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Finance and Commerce Career in India

- Educational Pathways: Degrees in commerce (B.Com, M.Com), finance (BBA, MBA with a specialization in finance), chartered accountancy (CA), company secretary (CS), cost management accountancy (CMA), and certifications like CFA, CFP.
- Diverse Roles: Roles include financial analysts, accountants, auditors, investment bankers, financial planners, risk managers, corporate finance professionals, tax advisors, and roles in banking and financial services.
- Regulatory Framework: Institutes like the Institute of Chartered Accountants of India (ICAI), Institute of Company Secretaries of India (ICSI), and Institute of Cost Accountants of India (ICAI) among others regulate professional certifications. Universities and colleges offer degrees in commerce and finance.
- Employment Opportunities: Available in accounting firms, financial institutions, investment banks, corporations, consulting firms, government agencies, and as freelance consultants.
- Skill Requirements: Analytical skills, financial modeling, proficiency in financial software, understanding of financial regulations, risk management, and strong communication skills.

2. Desired State of Finance and Commerce Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in financial analytics, investment strategies, risk management, fintech, data analysis, and regulatory compliance.
- Global Competency: Knowledge and skills that align with international finance and commerce standards and best practices to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in finance technologies and regulations.
- Technological Proficiency: Proficiency in using advanced financial software, data analytics tools, blockchain, AI, and machine learning for financial analysis.
- Ethical and Sustainable Practices: Integration of ethical practices, sustainability, and transparency in finance and commerce operations.

Copyright © EnrichMyCareer

CAREER IN HOSPITALITY & HOTEL MANAGEMENT

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN HOSPITALITY & HOTEL MANAGEMENT

The hospitality & hotel management industry offers plenty of opportunities to people passionate about serving others and providing memorable experiences. With India's booming tourism industry and the arrival of various international hotel chains, the demand for skilled hospitality professionals is growing.

The hospitality industry is inherently dynamic and fast-paced, offering exciting challenges and opportunities for learning and growth. Professionals in this field have the chance to interact with people from diverse backgrounds, cultures, and nationalities regularly, making each day unique and fulfilling.

Hospitality and hotel management courses in India provide comprehensive training in various aspects of the industry, including hotel operations, food & beverage management, front office management, housekeeping, and event management. Various institutions across India provide such courses for both undergraduate and postgraduate students. Many established hotel chains and hospitality companies also offer training and development programs to groom talented individuals for leadership positions.

In terms of remuneration, the hospitality and hotel management sector in India offers competitive salaries and attractive perks, especially for those working in upscale establishments and international chains. Additionally, individuals with specialized skills and expertise in areas such as revenue management, culinary arts, and event planning often command higher salaries and better job prospects.

Overall, a career in hospitality & hotel management in India can not only be rewarding but also offer endless possibilities for personal and professional growth.

Different Specialization Areas in Hospitality & Hotel Management: Culinary Arts, Hotel Management, Front Office Management, Guest Services Management, Hotel Operations, Food & Beverage Services Management, Kitchen Management & Food Preparation, Housekeeping Services Management, Marketing and Sales, Banquet & Event Management, Facilities Management & Engineering, Spa & Wellness Management, Sustainability & Green Hospitality etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING HOSPITALITY & HOTEL MANAGEMENT IN INDIA

- ☑ Students from any academic background can apply for Hotel Management programs.
- ☑ To pursue a career in hospitality management, a minimum of 50% marks in 10+2 is required to enroll in a bachelor's degree course in hospitality management.
- ☑ If a candidate does not meet the 50% marks requirement, they can opt for diploma or certificate courses offered by various institutes.
- ☑ Some colleges may require candidates to clear a Hotel Management entrance exam as part of their admissions process.
- ☑ Many prestigious institutes, such as Institute(s) of Hotel Management (IHMs), admit students based on the National Council for Hotel Management Joint Entrance Examination (NCHM JEE).
- ☑ Candidates aspiring for master's or postgraduate programs in Hotel Management must have completed a bachelor's degree in hotel management or an equivalent course, with an aggregate score of 50% or higher.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG DEGREES IN HOSPITALITY IN INDIA

BSc; BSc(H); BHM; BBA; BA; BA(H); BHMCT; BCT&CA; and B.Voc in domains such as Hotel Management & Tourism, Food Science, Hotel Management, Hospitality Study & Catering Services, Hospitality and Hotel Administration etc.

POPULAR PG DEGREES IN HOSPITALITY IN INDIA

MBA; MHM; MSc; Masters; MTHM; and PGDHM (and later PhD) in domains such as Hotel Management & Tourism, Food Science, Hotel Management, Hospitality Study & Catering Services etc.

POPULAR DIPLOMA COURSES IN HOTEL MANAGEMENT IN INDIA

Diploma in Hotel Operations/ Hotel Management & Catering Technology/ Food & Beverage Production or Service/ Housekeeping/ Hospitality and Travel Management/ Front Office Management etc.

POPULAR PROFESSIONAL CERTIFICATION COURSES IN HOTEL MANAGEMENT IN INDIA

Certificate in Hotel Management & Catering Technology/Cookery/Bakery & Confectionery/Food & Beverage Services/Housekeeping etc.

COMMON ENTRANCE EXAMS FOR PURSUING HOSPITALITY & HOTEL MANAGEMENT COURSES IN INDIA

NCHMCT JEE, AIMA UGAT, UPSEE, AIHMCT, CUET, GNIHM JET, MAH BHMCT CET, IPU CET BHMCT, Delhi University BA entrance exam, BHU BA entrance exam, PUTHAT, IIHM eCHAT, Oberoi - STEP Entrance Exam, LPUNEST, MCET, AIHMCT WAT, BJEE HM, BVP CET, DTE HMCT, Entrance Exam of IHM Taj Aurangabad, ITC WelcomeLegionnaire Program, Ecole Hoteliere (Lavasa) etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be other entrance tests conducted by different colleges/universities/authorities in India that offer Hospitality & Hotel Management courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class 12 in any stream → Pursue BSc/BA in Hotel Management for 3-4 years or BBA Hospitality (3-year) → Pursue MSc/MBA/MA in Hotel Management for 2 years → Pursue PhD in Hotel Management for 2-3 years.

Study/Course Pathway 2:

Study Class 12 in any stream → Pursue Diploma/Certification Course in Hotel Management for 6 months to 1 year → Pursue Diploma/Post Graduation Diploma in Hotel Management for 1-2 years.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *: After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree or certificate/ diploma programs for advanced or specialized studies in Hospitality & Hotel Management.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING HOSPITALITY & HOTEL MANAGEMENT COURSES IN INDIA

- Oberoi Centre of Learning and Development, Delhi
- Indian Institute of Hotel Management (IHM), Multiple Campuses
- Indian Institute of Hotel Management and Culinary Arts (IIHMCA), Multiple Campuses
- University Institute of Hotel Management and Tourism, Punjab University, Chandigarh

- Welcomgroup Graduate School of Hotel Administration (WGSHA) Manipal
- Christ University, Bangalore
- Banarsidas Chandiwala Institute of Hotel Management & Catering Technology, Delhi
- Guru Nanak Institute of Hotel Management, Kolkata
- Lovely Professional University (LPU), Jalandhar

- Dr. Ambedkar Institute of Hotel Management, Catering & Nutrition, Chandigarh
- Army Institute of Hotel Management & Catering Technology, Bangalore
- LNCT University, Bhopal
- Subhas Bose Institute of Hotel Management, Kolkata
- Guru Gobind Singh Indraprastha University, Delhi

- Sam Higginbottom Institute of Agricultural Technology and Sciences - Allahabad
- ICAR-Indian Institute of Soil Sciences - Bhopal
- Sardar Vallabh Bhai Patel University of Agriculture and Technology - Meerut
- Maharashtra State Institute of Hotel Management and Catering Technology, Pune

- Chandigarh University, Chandigarh
- Institute of Hotel Management, Catering Technology & Applied Nutrition, Multiple Campuses
- Amity University, Gurgaon
- Sun International Institute of Tourism & Management, Vishakhapatnam & Hyderabad
- RIG Institute of Hospitality & Management, Noida
- Oriental School of Hotel Management, Kerala

- Amrapali Institute of Hotel Management, Haldwani (Uttarakhand)
- Bharati Vidyapeeth Institute of Hotel Management and Catering Technology, Pune
- ITC WelcomeLegionnaire Program, Gurgaon
- SRM Institute of Hotel Management, Chennai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for degree courses in Hospitality & Hotel Management, which require a qualifying score for the student to get admission in college/university.*

Copyright © EnrichMyCareer

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING HOSPITALITY & HOTEL MANAGEMENT COURSES IN ASSAM

- Assam Institute of Hotel Management, Guwahati
- Institute of Hotel Management, Catering Technology and Applied Nutrition, Guwahati
- Guwahati University, Guwahati
- Assam Downtown University, Guwahati
- Gateway Institute of Hotel Management, Guwahati
- Royal Global University
- Morigaon College, Morigaon
- North East Institute of Management Science – NEIMS, Guwahati
- Dibrugarh University, Dibrugarh
- Assam Don Bosco University, Guwahati
- Jagiroad College, Jagiroad
- Sibsagar Commerce College, Sibsagar
- Sonapur College, Sonapur/Guwahati
- The Assam Kaziranga University, Jorhat
- Third Eye College, Guwahati
- Furkating College, Golaghat
- Institute of Advanced Management, Guwahati
- Jettwings Business School (Jettwings Institute of Aviation & Hospitality Management), Guwahati
- Only Chef - The School of Culinary Arts, Guwahati
- Tezpur University, Tezpur
- Girijananda Chowdhury Institute of Management and Technology, Guwahati

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for degree courses in Hospitality & Hotel Management, which require a qualifying score for the student to get admission in college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE HOSPITALITY & HOTEL MANAGEMENT COURSES

- Cesar Ritz Colleges, Switzerland
- University of Nevada, USA
- EU Business School, Spain
- University of Sunderland, UK
- University of Cumbria, Switzerland
- Stamford International University, Thailand
- Oxford Brookes University, UK
- Griffith University, Australia
- Blue Mountain International Hotel Management School, Australia
- EcoleHoteliere De Lausanne, Switzerland
- Glion Institute of Higher Education, Switzerland
- Cornell University, USA
- Les Roches International School of Hotel Management, Switzerland
- Hotelschool, The Hague, Netherlands
- Emirates Academy of Hospitality Management, Dubai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Hospitality/Hotel Management abroad, they need to provide English proficiency test score of TOEFL/IELTS, SAT score for bachelor's, and GMAT/GRE score for master's programs. A Statement of Purpose (SOP) and Letters of Recommendation (LORs) may also be required.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Catering Manager, Retail Manager, Resource Manager, Restaurant Manager, Hotel Manager, Cruise Manager/Director, Hospitality Manager, Chef, Executive Chef, Sommelier, Director of Food & Beverage (F&B), Housekeeping Manager/Director, Banquet Manager, Spa Attendant, Area Wellness Manager, F&B Manager, Front Office/Desk Manager, Property Manager, General Manager, Marketing Manager, Sales Manager, HR Manager, Guest Service Agent, Catering Assistant, Accommodation Manager, Conference Centre Manager, Day Spa Manager, Wellness Retreat Manager, Guest Relations Executive, Branding Executive, Hospitality Staff, Revenue Manager, Rooms Division Manager, Lobby Manager, Convention Service Manager, Head Chef, Assistant Sales Manager, Marketing Officer, Casino Manager, Executive Housekeeper, Concierge, Sous Chef, Head of Accommodation Operations, Event Manager/Planner, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Hotels
- Resorts
- Restaurants
- Bars/Clubs
- Cruise Liners
- Luxury Hotels
- Event Management Companies
- Airline Catering & Cabin Services
- Retail Industry
- Spa
- Housekeeping Industry
- Lodges
- F & B Industry
- Food Craft Institutes
- Conferences/ Banquets
- Culinary Arts
- Cinemas
- Casinos
- Fast Food Chains
- Parks
- Museums
- Zoos
- Hotels & Tourism Associations
- Hospital Administration & Catering
- Guest Houses
- Hotel & Catering Institutes
- Catering Departments of Banks
- Educational Institutes
- Railways
- Shipping Companies
- Organic F&B Industry
- Hotel Health & Fitness Facilities Management
- Airlines,
- Service Apartments
- FMCG Companies, etc

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Armed Forces
- Food Craft Institutes
- Indian Navy
- Indian Air Force
- Indian Army Hospitality Services
- Army Institute Catering
- Airports & Airlines
- Ministry of Tourism
- Govt. Hospitals
- Hospitality and Catering Services
- Indian Railways Catering and Tourism Corporation
- State and Central Government Guest Houses
- Public Sector Undertakings (PSUs)
- Civil Aviation Sector
- Central and State Government Events and Conferences
- Catering Departments of Banks, Educational Institutes, Shipping Companies
- Ministry of Culture
- Hospital and Institutional Catering
- Food Corporation of India
- Food Safety and Standards Authority of India
- Shipping & Cruise Liners etc.

IN ASSAM

- Taj Vivanta
- Radisson Blu
- Kiranshree Grand
- Mayfair Spring Valley
- The Greenwood Resort
- Brahmaputra Jungle Resort
- The Yellow Chilli
- Barbeque Nation
- Botanee
- Recipes Train Restaurant
- Indigo
- Air Asia
- Akasa Airlines
- North East Event Management Company
- Green Rooms Events Management Company
- Tattva Spa
- Veda Salon & Spa
- Starbucks
- Standard Platter Catering and Hospitality

- Hotel Dynasty
- Novotel
- Flywayy Institute of Air hostess Training
- Café Coffee Day
- Air Chef
- Jain Caterers
- Jiva Spa
- ICICI/HDFC's Catering Departments
- Royal Global School/University
- Delhi Public School
- Cinepolis
- PVR
- Apollo/GNRC Hospitals
- Hotel & Restaurant Association of Assam
- Assam Tourism Development Corporation
- Assam Institute of Hotel Management
- Assam State Museum

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- Assam State Zoo-cum-Botanical Garden
- State Bank of India
- IIT-Guwahati
- Gauhati University
- Northeast Frontier Railway
- Assam Inland Water Transport Development Society
- Directorate of Health & Family Welfare
- Department of Education
- Assam State Transport Corporation
- Lokpriya Gopinath Bordoloi International Airport
- Assam Rifles
- Assam State Rural Livelihoods Mission
- Assam Forest Department etc.

IF SELF EMPLOYED/ENTREPRENEUR

Own Resorts, Banquets, Hotels, Clubs, Restaurants, Artisanal Bakery or Dessert Shops, Cafes, Boutique Hotel, Bed & Breakfast, Event Management/Planning Company, Catering Business, Spa & Wellness Center, Food Truck or Food Cart, Guest House, Service Apartments, Online Hospitality Training, Corporate Retreat Services, Hospitality Consulting Firm, Food Delivery Service, etc.

KEY SKILLS REQUIRED

Problem Solving, Communication Skills, Presentability, Flexibility, Time Management, Interpersonal Skills, Teamwork, Attention to Details, Cultural Awareness, Patience, Customer Service, Multitasking, Listening Skills, Discipline, Leadership, Critical Thinking, Adaptability, Management Skills, Polite Attitude

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

Salaries in the hospitality & hotel management industry in India vary widely depending on various factors. However, here are some general indicative ranges (based on experience) within the industry:

- Entry-Level (0-2 years' experience): They typically earn Rs. 2 - 4 lakhs per annum, and may be in roles like Front Desk Receptionist, Commis Chef, Guest Relations Executive, Housekeeping Supervisor etc.
- Mid-Level (2-5 years' experience): They generally earn between Rs. 4 - 8 lakhs per annum, and may hold positions such as Assistant Restaurant Manager, Sous Chef, Sales Executive (Hospitality) etc.
- Senior-Level (5+ years of experience): They earn higher salaries, between Rs. 8 - 30 lakhs per annum, and may hold positions such as Hotel General Manager, Executive Chef, and Spa Manager among others.

Note: *These salary ranges are indicative and can vary based on factors such as location, type of establishment, job role, and individual's experience, skills, and negotiation abilities. Additionally, the hospitality industry often offers perks such as accommodation, meals, and healthcare benefits, which can further enhance the overall compensation package.*

TOP RECRUITERS

- The Leela Ambience Hotel & Residences
- Hilton Hotels & Resorts
- The Lalit Hotels, Palaces and Resorts
- Hyatt Hotels
- Marriott International, Inc.
- The Oberoi Group
- The Taj Group of Hotels
- Le Meridien Group of Hotels
- Indian Hotels Company
- Princess Cruises
- Oyo
- Norwegian Cruise Line

- Hotel Lemon Tree
- Holiday Inn Group of Hotels
- Tulip Star Group of Hotels
- Fortune Park Group of Hotels
- Radisson Blu
- ITC Group of Hotels
- Shangri-la
- Infinite Group
- Neemrana Resorts
- Carnival Cruise Line International
- Vistara

- Sheraton Group of Hotels
- Ambassador Group of Hotels
- K Raheja Group of Hotels
- InterContinental Hotels Group
- The Park Hotels
- Accor Hotels
- Sarovar Hotels & Resorts
- Azamara Club Cruises
- Holland America Line
- Royal Caribbean International
- Indigo

Copyright © EnrichMyCareer

- Air India Express
- Akasa Air
- Lufthansa
- Cafe Coffee Day
- Cinepolis
- Dominos

- McDonald's
- Emirates
- Qatar Airways
- Starbucks
- Others

GAP ANALYSIS

A gap analysis of a prospective career in Hospitality & Hotel Management in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Hospitality & Hotel Management Career in India

- Educational Pathways: Various degrees and diploma programs in hotel management and hospitality offered by hotel management institutes and universities. Specializations include hotel operations, food and beverage management, hospitality marketing, and event management among others.
- Diverse Roles: Roles include hotel managers, restaurant managers, event planners, food and beverage directors, front office executives, housekeeping supervisors, and roles in cruise lines, airlines, and tourism management.
- Regulatory Framework: National Council for Hotel Management and Catering Technology (NCHMCT) regulates hotel management education and conducts the Joint Entrance Examination (JEE) for admission to hotel management programs.
- Employment Opportunities: Available in hotels, resorts, restaurants, cruise lines, airlines, event management companies, and tourism boards.
- Skill Requirements: Customer service, interpersonal skills, organizational skills, leadership, culinary skills, revenue management, and understanding of hospitality operations.

2. Desired State of Hospitality & Hotel Management Career in India

- Advanced Skill Sets: Professionals should possess advanced skills in revenue management, digital marketing in hospitality, sustainability practices, crisis management, and international hospitality trends.
- Global Competency: Knowledge and skills aligned with international hospitality standards, customer service excellence, and global best practices.
- Continuous Professional Development: Emphasis on ongoing learning, certifications, and specialized training in areas like revenue management software, sustainability certifications/credentials, and digital marketing strategies.
- Technological Proficiency: Proficiency in using hospitality management software, customer relationship management (CRM) tools, online booking platforms, and digital guest experience management.
- Sustainability Practices: Integration of sustainable hospitality practices, green initiatives, and eco-friendly operations.

Copyright © EnrichMyCareer

CAREER IN INDIAN ARMY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN INDIAN ARMY

A career in the Indian Army offers a chance to serve the nation with honor and courage. Joining the army means being part of a proud tradition of protecting the country's borders and ensuring its safety. There are various paths one can take within the army, each with its own unique role and responsibilities.

For example, one might choose to join the Infantry, the backbone of the army, involved in ground combat operations. Or perhaps the Armoured Corps, operating tanks and armored vehicles for offensive and defensive purposes. Other options include the Signals Corps, responsible for communication systems, or the Medical Corps, providing vital medical support to soldiers.

Regardless of the chosen path, dedication, discipline, and a sense of duty are essential qualities for success in the Indian Army. It's a career that demands bravery, resilience, and a commitment to serving the nation above all else. For those who are willing to answer the call of duty, a career in the Indian Army offers not just a job, but a chance to make a meaningful difference.

General Career Prospects in Indian Army: Combat Unit, Artillery, Infantry, Intelligence Corps, Army Aviation Corps, Armoured Corps, Army Service Corps, Medical Corps, Remount and Veterinary Corps, Army Education Corps etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING ARMY RELATED COURSES/TRAINING IN INDIA

- ☑ Applicants must be citizens of India or refugees from Nepal, Bhutan, or Tibet.
- ☑ Both unmarried male & female candidates are eligible to apply for the National Defence Academy (NDA) in the Indian Army.
- ☑ Men can join Indian Army after 10+2 through the NDA Entry or Technical Entry Scheme (TES).
- ☑ For NDA, men must have completed the 12th class of the 10+2 system or equivalent (with a Science stream for Air Force/Navy) and clear the National Defence Academy and Naval Academy Examination conducted by the UPSC.
- ☑ For TES, men must have passed 10+2 with Physics, Chemistry, and Maths (aggregate >=70%), and since 2021, JEE Mains has become compulsory. Candidates must also pass the TES Written Exam.
- ☑ Candidates can take the Combined Defence Services (CDS) examination during their final year of graduation, and these exams are typically held twice a year.

- ☑ The age requirement for the National Defence Academy (NDA) entrance is between 16.5 years and 19 years.
- ☑ The age range for entry after graduation is between 20 and 26 years, with a minimum requirement of 60% aggregate in graduation.
- ☑ Meeting educational criteria alone is not enough; candidates must also meet the physical and medical standards set by the Indian Army.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG DEGREES/COURSES HAVING RELEVANCE FOR ARMY/DEFENSE IN INDIA

BE/BTech/BSc/BA/BCom/BBA etc. in relevant domains.

POPULAR PG DEGREES/COURSES HAVING RELEVANCE FOR ARMY/DEFENSE IN INDIA

ME/MTech/MSc/MBA/L.L.M etc. in relevant domains.

Note: *While not a degree, obtaining the National Cadet Corps (NCC) 'C' Certificate can enhance the eligibility for certain entry routes into the Indian Army.*

COMMON ENTRANCE EXAMS FOR PURSUING INDIAN ARMY AS A CAREER

National Defence Academy (NDA), Technical Entry Scheme (TES), Combined Defence Services (CDS), Army Cadet College (ACC) Written Exam, University Entry Scheme (UES), Technical Graduate Course (TGC), SSC (Technical), SSC (JAG), SSC (NCC Special Entry), Army Education Corp (AEC) etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be other entrance tests conducted by different authorities in India.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

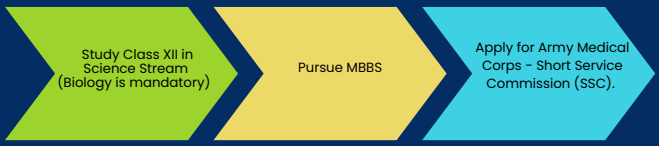
Study Class XII in any stream from a well-recognized board → Pass the National Defense Academy (NDA) in any stream.

Study/Course Pathway 2:

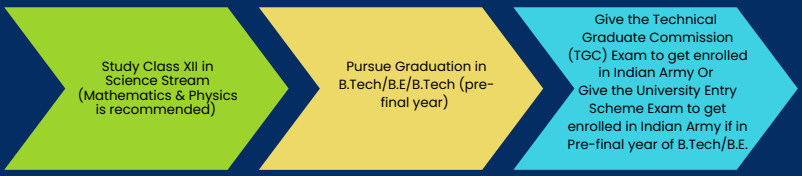
Study Class XII in any stream from a well-recognized board → Pursue Graduation in any discipline (Open to pre-final year students if they have the required Certificate) → Pass the CDS Exam.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 3:



Study/Course Pathway 4:



Study/Course Pathway 5:

Study/Course Pathway 6:

Note: *: All the recruitment at soldier rank for the Indian Army is done through 'Agnipath Scheme'. Candidates after applying for the Agnipath scheme will be called for a recruitment rally. Selected candidates will be appointed to different ranks*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ARMY COURSES IN INDIA

- National Defense Academy, Pune
- Indian Military Academy, Dehradun
- Army Cadet College, Dehradun
- Officers Training Academy, Chennai
- Rashtriya Military School, Karnataka
- Officers Training Academy, Bihar
- Commando School, Belgaum

- Army School of Physical Training, Pune
- Counter Insurgency and Jungle Warfare School, Mizoram
- Armoured Corps Centre and School, Ahmadnagar
- School of Artillery, Deolali/Nashik
- Army War College, Madhya Pradesh
- Indian National Defence University, Haryana

- Army College of Medical Sciences, Delhi
- Counter Insurgency and Jungle Warfare School (CIJW School), Vairengte
- Military College of Electronics and Mechanical Engineering, Secunderabad
- The Military College of Telecommunication Engineering, Mhow
- College of Military Engineering, Pune

- Army Airborne Training School, Agra
- High Altitude Warfare School, Gulmarg
- Infantry School, Mhow
- Remount and Veterinary Corps (RVC) Centre and School, Meerut Cantt
- Combat Army Aviation Training School (CAATS), Nashik
- Institute of Military Law, Maharashtra

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ARMY COURSES IN ASSAM

- Gajraj Corps Training Centre and School (GCTS), Tezpur
- Jorhat Regimental Centre (JRC), Jorhat
- Indian Military Institute, Guwahati
- North East Defence Academy, Guwahati
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Copyright © EnrichMyCareer

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

General, Field Marshal, Colonel, Brigadier, Major, Captain, Lieutenant, Lieutenant Colonel, Major General, Lieutenant General, Subedar, Major Subedar, Naib Subedar, Engineer Officer, Military Police Officer, Education Officer, Armoured Corps Officer, Commander, Infantry, Electrical and Mechanical Engineers, Nursing Officers, Judge Advocate General, Veterinary Corps, Agniveer (General Duty), Agniveer (Technical) etc

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Security and Defense Firms
- Private Law Enforcement Agencies
- Consulting Firms
- Manufacturing and Engineering Companies
- Technology and Cybersecurity Firms
- Aerospace and Defense Industry
- Healthcare and Emergency Services
- Nonprofit Organizations
- Energy and Utilities Companies
- Financial Services Industry
- Information Technology (IT) Consulting Firms
- Education and Training Institutions etc

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Indian Armed Forces
- Directorate of Military Intelligence
- Indigenous Defence Equipment Exporters Association
- State Police Departments
- Central Reserve Police Force
- Border Security Force
- Central Industrial Security Force
- Ministry of Defense
- Ministry of Home Affairs
- Military Engineer Services
- Defence Research and Development Organisation
- Defence Intelligence Agency
- Sashastra Seema Bal
- National Defence College
- Institute for Defence Studies and Analysis
- Directorate General Armed Force Medical Services
- Directorate General of Defense Estate
- Law Enforcement Bodies etc.

IN ASSAM

- Tezpur Army Base
- Army Base, Narangi
- Border Security Force (BSF)
- Army Hospitals

- Assam Police
- Central Reserve Police Force
- Others

IF SELF EMPLOYED/ENTREPRENEUR

Security Consulting, Fitness Training, Risk Management Services, Strategic Planning Services to Businesses, Government Agencies, Non-profit organizations, Emergency Management, Coaching/ Mentoring/ Counseling to individuals or organizations, Training & Education, Social Entrepreneurship, Registered Nurse, Mental Health Counselor, Psychologist, Lawyer, Veteran Support Services, Leadership Development, Defense Contracting, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

KEY SKILLS REQUIRED

Problem Solving, Interpersonal Skills, Critical Thinking, Attention to Detail, Leadership, Decision Making, Coordination, Research, Analytical, Communication Skills, , Emotional Intelligence, Physical Fitness Team Player, Judgement Skills etc.

REMUNERATION/SALARY (INDICATIVE)

Entry-Level:

- Individuals joining the Indian Army at entry-level positions, such as soldiers or recruits, typically receive a starting salary ranging from Rs. 18,000 - 56,900 per month.
- Entry-level positions involve basic training and duties, and salaries increase as individuals gain experience and progress in their careers.

Mid-Level:

- Salaries for mid-level positions, such as Junior Commissioned Officers (JCOs) and Non-Commissioned Officers (NCOs), typically range from Rs. 21,700 - 1,12,400 per month.
- These individuals may have additional responsibilities and leadership roles compared to entry-level positions, resulting in higher salaries.

Copyright © EnrichMyCareer

Senior-Level:

- Senior-level positions, such as commissioned officers and senior JCOs, command higher salaries ranging from Rs. 35,400 - 2,50,000 or more per month.
- Individuals in senior-level positions often have significant leadership responsibilities, strategic roles, and specialized skills, contributing to their higher salaries.
- Additionally, senior-level officers may receive various allowances and perks, such as Dearness Allowance (DA), Military Service Pay (MSP), Accommodation Allowance, and others, further enhancing their overall remuneration package.

Note: *Overall, the salary structure in the Indian Army is based on a combination of factors, including rank, experience, qualifications, role, and responsibilities, with higher-ranking officers and individuals with specialized skills or experience commanding higher salaries*

TOP RECRUITERS

- Indian Armed Forces
- G4S
- Securitas
- SIS India
- Bharat Electronics Ltd.
- Hindustan Aeronautics Ltd.
- Bharat Dynamics Ltd.
- Deloitte
- DRDO
- KPMG
- ideaForge Technology
- Ernst & Young
- Banks

- Amazon
- UBS
- Goldman Sachs
- Wells Fargo India
- Aditya Birla Group
- Tata Consultancy Services
- Insurance Agencies
- Finance Companies
- Combat Robotics India
- CRED
- Others

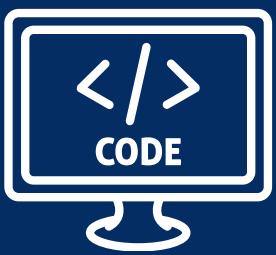
GAP ANALYSIS

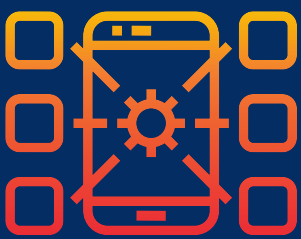
In order to grab the available opportunities, prospective candidates need to:

- Work on their Physical Attributes: A healthy body with a healthy mind is the perfect combination.
- Work on Skill Development: Continuous training in leadership, management, and modern military tactics and technicalities.

Copyright © EnrichMyCareer

CAREER IN INFORMATION TECHNOLOGY & COMPUTER APPLICATIONS





Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN INFORMATION TECHNOLOGY (IT) & COMPUTER APPLICATIONS

There is hardly any industry or business in today's tech-savvy world that can survive without using or adopting IT & computer applications. In last 2-3 decades, India's IT industry (incl. exports) have made huge contributions to the Indian economy's growth and have made India a global IT powerhouse.

IT and computer applications professionals are involved with designing, developing, supporting, and managing computer software, computer hardware, and information networks, including the Web.

The demand for graduates from the field of IT or computer applications is high, as various industries or sectors require skilled & knowledgeable professionals in this domain. However, graduates constantly need to upgrade their knowledge and skills to stay updated and relevant with the rapidly changing technologies.

The IT & Computer Applications field offers plenty of opportunities in today's technology driven world, in areas such as software development, hardware maintenance, web design, database management, information security, app development, etc., as well as in new-age domains such as Data Science, AI, Cloud Computing, Internet of Things (IOT), and Game Development among others.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING COMPUTER APPLICATIONS & IT IN INDIA

- ☑ Student must have passed class 12/senior secondary exam with min. 50% marks (incl. English).
- ☑ The minimum age limit is 17 years, and the maximum age varies between 22-25 years for BCA (Bachelor of Computer Applications) Course.
- ☑ Some colleges require Mathematics (and/or Computer Science) as mandatory subjects in Class 12th.
- ☑ Students may have to appear for relevant entrance exams for admissions in certain institutes.
- ☑ For all Engineering courses in Computer Science/IT/Software etc., students must have had Science (with Maths) in Class 12th.

Note: *There are various Colleges that offer Computer Applications or Computer Science to students from all streams.*

Note: *While it is not mandatory, but if possible and available as an option, it is recommended that the student chooses Science (Physics, Chemistry, Mathematics) with Computer Science as it increases the probability of understanding concepts faster.*

COMMON ENTRANCE EXAMS FOR PURSUING COMPUTER APPLICATIONS/IT COURSES IN INDIA

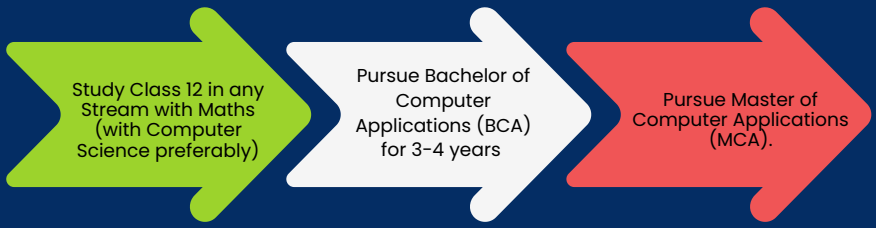
CUET, GGSIPU-CET, SET, IPU CET-BCA, KIITEE-BCA, NIMCET, TANCET, Christ University Entrance Exam, APICET, TSICET, DUET, JNUEE, Jamia Millia Entrance Test etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer IT and Computer Application courses.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

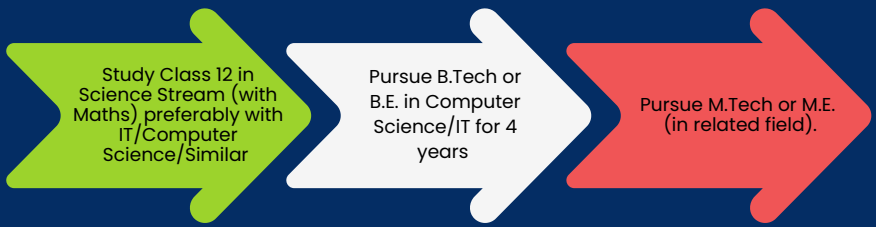
EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

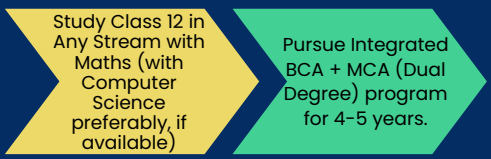


Study/Course Pathway 2:

Study/Course Pathway 3:



Study/Course Pathway 4:



Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree/diploma/ certificate course for advanced or specialized studies.*

Note: *After passing 12th Class, one can also take up certain offline or online Diploma or Certificate courses (for e.g. in Hardware, Networking, Programming, Cyber Security, CAD, etc.) in Computer Applications/Computer Science/IT field.*

Copyright © EnrichMyCareer

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING COMPUTER APPLICATIONS & IT COURSES IN INDIA

- University of Delhi, New Delhi
- Christ University, Bangalore
- Loyola College, Chennai
- St. Xavier's College, Mumbai/Kolkata
- Ashoka University, Sonepat
- SRM University, Chennai
- Symbiosis Institute of Computer Studies and Research (SICSR)
- PESIT, Bangalore

- Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi
- Jagran Lake University, Bhopal
- GLS Institute of Computer Application, Ahmedabad
- ICFAI University, Multiple locations
- RV College of Engineering, Bangalore
- Flame University, Pune
- IGNOU, New Delhi.

- Jagan Institute of Management Studies, Multiple locations
- IITs, Multiple locations
- NITs, Multiple locations
- Flame University, Pune
- Amrita University, Coimbatore
- BITS, Multiple locations
- Sharda University, Greater Noida
- KIIT University, Bhubaneswar

- Lovely Professional University (LPU), Jalandhar
- Savitribai Phule Pune University, Pune
- Jawaharlal Nehru University (JNU), Delhi
- IIIT, Multiple locations
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Computer Applications & IT, which require qualifying scores from students to get admission in the institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING COMPUTER APPLICATIONS & IT COURSES IN ASSAM

- Cotton University, Guwahati
- Gauhati University, Guwahati
- Royal Global University, Guwahati
- Assam Don Bosco University, Sonapur
- Assam Down Town University, Guwahati
- Asian Institute of Management and Technology (AIMT), Guwahati

- Assam Engineering College, Guwahati
- Assam Science & Technology University (ASTU), Guwahati
- Dibrugarh University, Dibrugarh
- Tezpur University, Tezpur
- The Assam Kaziranga University, Jorhat

- B. Borooah College, Guwahati
- Pragjyotish College, Guwahati
- KC Das Commerce College, Guwahati
- Gauhati Commerce College, Guwahati
- Handique Girls' College, Guwahati
- Jorhat Engineering College, Jorhat

- Scholar's Institute of Technology and Management (SITM), Guwahati
- Bahona College, Jorhat
- ADP College, Nagaon
- Bhola Nath College, Dhubri
- Dakshin Kamrup (DK) College, Nalbari
- NERIM Group of Institutions, Guwahati

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Computer Applications & IT, which require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE COMPUTER APPLICATIONS & IT COURSES

- Massachusetts Institute of Technology (MIT), USA
- Stanford University, USA
- University of California, Berkeley, USA
- Carnegie Mellon University, USA
- Harvard University, USA
- University of Toronto, Canada
- Princeton University, USA
- Cornell University, USA
- University of Texas at Austin, USA
- Nanyang Technological University, Singapore
- National University of Singapore, Singapore
- University of Oxford, UK
- University of Technology Sydney, Australia
- University College London, UK

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in IT and Computer Applications abroad, they will have to provide TOEFL/ IELTS scores for English proficiency, SAT/ACT scores for bachelor's courses, and GRE scores or university-specific entrance exam scores for master's courses. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) need to be provided.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Software Developer, Web Developer, App Developer, Game Developer, Web Designer, System Analyst, Front-End Developer, System Designer, Information Security Analyst, Network Administrator, Web/Multimedia Programmer, Hardware Engineer, Software Engineer, Software Publisher, Computer Programmer, Software Tester, Software Consultant, Technical Writer, Database Administrator, Data Scientist, Program Manager, Software/System Architect, Data Analyst, Cloud Specialist/Architect, Product Manager, Project Manager, Technology Head/Lead etc., Full Stack Developer, DevOps Engineer, Quality Assurance (QA) Analyst, Cyber Security Analyst/Specialist, Technical Support Assistant/Specialist, Lecturer/Professor/Asst. Professor, AI Researcher, AI Engineer, ML Engineer, Ethical Hacker etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- IT companies
- Technology startups
- e-commerce companies
- Private Banks
- Software companies
- Game Development firms
- Media and Entertainment industries
- Finance companies
- Insurance companies
- Digital consulting firms
- Advertising agencies
- Educational institutions
- Private Research & Development (R&D) firms
- Mass communication firms
- Manufacturing industries
- Consulting companies, etc.

GOVERNMENT OR PUBLIC BODIES

- Digital India Corporation
- Ministry of Electronics and Information Technology (MeitY)
- Ministry of Information & Broadcasting
- National Informatics Centre
- Armed Forces
- Research Labs
- NTPC
- GAIL
- National Banks
- State Public Service Commissions
- Metro Rail Corporations
- Ministry of Finance
- Ministry of Labor & Employment
- Ministry of Education
- Ministry of Corporate Affairs
- Govt. Educational Institutions
- Ministry of Infrastructure
- Ministry of Skill Development and Entrepreneurship
- Ministry of Health & Family Welfare
- Public Sector Undertakings (PSUs)
- NITI Aayog
- National Informatics Center (NIC)
- Govt. Hospitals
- Others

Note: *Aspirants of Computer Applications and IT can get jobs in the government sector by passing the UPSC and PSC exams or State-level exams.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Wipro
- TCS
- Tata Technologies
- Bharti Airtel
- Assam Technologies
- Borgos Technologies
- Vasp Technologies
- Zaloni
- IBM India
- Jio
- AICY Technologies
- Caliche Inventions
- Geekworkx Technologies
- Ozosoft
- Ekodus Technologies
- Kaziranga University
- Assam Don Bosco University
- Royal Global University
- Directorate of Information Technology
- Electronics & Communication (GoA)
- IIT-Guwahati, IIIT-Guwahati
- Software Technology Park of India (STPI)-Guwahati centre
- National Informatics Centre (NIC)-Assam
- Assam Electronics Development Corporation (AMTRON) etc.

IF SELF EMPLOYED/ENTREPRENEUR

Founder/Owner/Promoter of an IT Company or Startup, IT Consultant, Freelancer (Programmer/Coder/Web Developer/App Developer/Web Designer/Game Developer etc.), Private Tutor (of Computer Applications/Computer Science/IT subjects or topics), etc.

Copyright © EnrichMyCareer

KEY SKILLS REQUIRED

IT domain knowledge (e.g. Programming skills esp. in HTML, CSS, JavaScript, Python, R etc., Testing and Debugging etc.), Communication, Problem-solving, Numerical Aptitude, Analytical, Teamwork, Logical Reasoning, Critical Thinking, Interpersonal, Attention to detail etc.

REMUNERATION/SALARY (INDICATIVE)

- Average salary of a Software Developer in India is Rs. 7.8 LPA.
- The average salary of a Web Designer in India is Rs. 3.6 LPA.
- The average salary of a System Analyst in India is Rs. 10.2 LPA.

Note: *The above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, experience, location, job profile, organization, industry, and market conditions.*

TOP RECRUITERS

- Infosys
- Accenture
- TCS
- Wipro
- Tech Mahindra
- Cognizant Technologies
- L&T Mindtree
- HCL Technologies
- Cisco Systems
- Meta (Facebook)
- Google

- Amazon
- Apple
- Microsoft Corporation
- IBM
- Oracle Corporation
- Capgemini
- Intel
- HP
- Adobe
- Genpact
- Mphasis
- Reliance Jio

- Flipkart
- UBER
- Deloitte
- Airtel

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis in the IT and computer applications career field involves identifying the discrepancies between the current state of the workforce and the desired state in terms of skills, knowledge, and competencies. Here's a detailed look at this analysis:

1. Current State of the IT Workforce

- High Demand for IT Professionals: There is a robust demand for IT professionals globally, with businesses across sectors seeking tech talent.
- Diverse Job Roles: The field includes roles such as software developers, network engineers, data scientists, cybersecurity experts, and IT project managers.
- Technological Advancements: Rapid advancements in technologies like AI, machine learning, blockchain, and cloud computing.

2. Desired State of the IT Workforce

- Advanced Skill Sets: Proficiency in emerging technologies and specialized areas such as AI, ML, data science, and cybersecurity.
- Up-to-Date Knowledge: Continual learning and adaptability to stay current with technological advancements.
- Interdisciplinary Competence: Ability to apply IT skills across various industries and roles, enhancing innovation and efficiency.

Copyright © EnrichMyCareer

CAREER IN LAW

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN LAW

Lawyers use their knowledge and skills to help individuals or organizations navigate through the complexities of the law. They wear many hats, each tailored to their specific area of expertise. A law degree is a powerful tool, empowering individuals with the capability to harness the law as a shield for justice. Lawyers assume the role of custodians of the legal system, safeguarding the rights of their clients, regardless of the challenges they may face.

The key responsibilities of a lawyer include advising & providing strategic counsel to clients, drafting and submitting legal documents, representing clients in court proceedings, settlement of disputes, compiling evidence to build a defense or instigate legal proceedings, amongst others.

Being a lawyer isn't just about prestige or paycheck. It's about making a difference, about using the law to bring about positive change in society. In India, where the legal landscape is vast and diverse, the need for skilled and competent lawyers is ever-present. Most law graduates find jobs in private and corporate legal sectors, with opportunities expanding into central, local, and state government realms.

Popular Law Specialization Areas: Criminal Law, Corporate Law, Civil Law, Taxation Law, Patent Lawyer, Family Lawyer, Constitutional Law, Environmental Law, International Law, Intellectual Property Law, Media Law, Air and Space Law, Healthcare Law, Real Estate Law, Admiralty Law, Banking Law, Telecommunications Law, Investment Law, Insurance Law, etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING LAW IN INDIA

Law can be pursued either as a 3-year course or a 5-year integrated course.

- ☑ Candidates must clear their Class 12th with minimum 50% aggregate marks or equivalent CGPA .
- ☑ Few colleges have eligibility criteria of minimum 45% aggregate marks in Class XII for general category and 40% aggregate marks for SC & ST category candidates.
- ☑ Candidates must have graduated with a bachelor's degree with minimum 50% aggregate marks or equivalent CGPA (if the candidate wants to pursue Law after graduation).

POPULAR 3-YEAR AND 5-YEAR UNDERGRADUATE (UG) DEGREES IN LAW IN INDIA

Bachelor of Legislative Law (LLB.), Bachelor of Arts & LLB (B.A. LLB.), Bachelor of Science & LLB (B.Sc. LLB.), Bachelor of Business Administration & LLB (BBA. LLB.), Bachelor of Commerce & LLB (B.Com. LLB.), etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DEGREES IN LAW IN INDIA

Masters of Law (LLM). (LLM can be pursued in various domains for 1 or 2 years such as Business Law/Taxation Law/Constitutional Law/Criminal Law/IP Law etc.).

POPULAR PHD PROGRAMS IN LAW IN INDIA

Constitutional Law/International Law/Human Rights Law/Cyber Law/Civil Law/Corporate Law etc.

COMMON ENTRANCE EXAMS FOR PURSUING LAW IN INDIA

Candidates need to clear entrance exams such as: CLAT, AILET, LSAT, LNAT, CUET, Others.

- After clearing the exams, one can opt for a five-year integrated LLB program or a three-year LLB program.
- After completing LLB, register with the Bar Council of India (BCI) and clear the All-India Bar Examination (AIBE).
- After clearing the AIBE, candidates must apply for enrolment with the State Bar Council where they intend to practice.

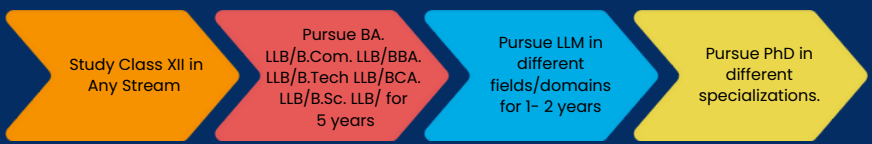
Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Law courses.*

Copyright © EnrichMyCareer

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study/Course Pathway 2:



Note: *: After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree for advanced or specialized studies*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING LAW COURSES IN INDIA

- National Law School of India University (NLSIU) – Multiple Locations
- Symbiosis Law School - Pune
- National Law University – Delhi
- Faculty of Law, University of Delhi - Delhi
- Faculty of Law, Banaras Hindu University - Varanasi
- Gujarat National Law University – Gandhi Nagar
- Nalsar University of Law - Hyderabad
- Jindal Global Law School - Sonepat
- Dr. Ram Manohar Lohiya National Law University - Lucknow
- The West Bengal National University of Juridical Sciences - Kolkata
- Sharda University - Noida
- Rajiv Gandhi National University of Law - Patiala
- Jagran Lake University – Bhopal
- Vijaybhoomi University - Mumbai
- Shoolini University – Solan, HP
- Faculty of Law, Jamia Millia Islamia – Delhi
- Sinhgad Law College - Pune
- Army University of Law - Mohali
- Amity Law School - Noida
- University College of Law, Osmania University - Hyderabad
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams or consider entrance exams scores for degree courses in Law, which require a good or qualifying score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING LAW COURSES IN ASSAM

- National Law University & Judicial Academy, Guwahati
- NEF Law College, Guwahati
- Assam University, Silchar
- Gauhati University, Guwahati
- Royal Global University, Guwahati
- Dibrugarh University, Dibrugarh
- Tinsukia Law College, Tinsukia
- Nalbari Law College, Nalbari
- J B Law College, Guwahati
- Tezpur Law College, Sonitpur
- Jorhat Law College, Jorhat
- Barpeta Law College, Barpeta
- Cotton University, Guwahati
- Goalpara Law College, Goalpara
- Kokrajhar Law College, Kokrajhar
- Nowgong Law College, Nagaon
- Bongaigaon Law College, Bongaigaon
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams or consider entrance exams scores for degree courses in Law, which require a good or qualifying score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE LAW COURSES

- New York University USA
- Harvard University, USA
- University of Toronto, Canada
- University of British Columbia, Canada
- Columbia University, USA
- Stanford University, USA
- University of Oxford, UK
- National University of Singapore, Singapore
- University of Cambridge, UK
- University of Gottingen, Germany
- Heidelberg University, Germany
- Yale University, USA
- London School of Economics and Political Science, UK
- University of California, Berkeley, USA
- University of Melbourne, Australia
- University of Chicago, USA
- Other

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in law abroad, they will have to provide English proficiency test scores of TOEFL/IELTS, etc. and SAT/LSAT/CLT/LNAT scores for degree programs. Along with this, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs). There may be other requirements or eligibility criteria as well that may vary from country to country.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Legal Analyst, Legal Advisor, Civil Lawyer, Corporate Lawyer, Criminal Lawyer, Judge, Legal Journalist, Patent Lawyer, Family Lawyer, Tax Lawyer, Litigation Lawyer, Corporate Counsellor, Securities Lawyer, Environmental Lawyer, Intellectual Property Lawyer, Solicitor General, Law School Professor, Document Drafting Lawyer, Advocate, Legal Researcher, Writer of Law Books/Reports, Legal Outsourcing, Public Prosecutor, Attorney General, Notary, Law Reporter, Magistrate, Legal Assistant, Assistant Manager, Law Officer, Deputy Program Manager, Legal Consultant, Legal Affairs Manager, Administrative Coordinator, Court Magistrate, Teacher/Lecturer, Policy Analyst, Paralegals, Mediators, Arbitrators, Divorce Lawyer, Legal Secretary, Law Clerk, Criminologist, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Litigation
- Healthcare
- Corporate Legal Departments
- Colleges & Universities
- Media & Entertainment
- NGO
- Financial Consulting Firms
- Corporate Counsels
- Multinational Corporations
- Law Firms
- Management Consulting Firms
- Real Estate Firms,
- Telecom Companies
- Banks
- News Channels
- Accounting and Taxation Firms
- Business Consulting Firms
- Information Technology Support Services
- Internet & Web Services,
- Biotech & Pharmaceutical Firms
- Insurance Companies etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Judicial & Civil Services
- Indian Armed Forces
- Government Agencies
- High Courts
- Subordinate Courts
- Academia
- Civil & Social Services
- Public Prosecutors
- Department of Defense
- District Court Judge
- Appellate Court Judges
- Supreme Court Justices
- High Court Justices
- Public Sector Banks
- State Public Service Commission
- Union Public Service Commission
- Securities and Exchange Board of India
- Department of Legal Affairs
- Indian Legal Service
- Legislative Department of India etc.

IN ASSAM

- India Law Offices
- Talukdar Foxwheel Law
- Law Luminaries Consultants LLP
- D & J Legal Law Service
- Vertex Legalis
- R N & Associates
- SG Law Plus
- Unity Law House
- J. B. Law College (Guwahati)
- Royal Global University (Guwahati)
- NERIM (Guwahati)
- Dispur Law College (Guwahati)
- Jorhat Law College (Jorhat)
- Nowgong Law College (Nagaon)
- The Gauhati High Court
- Assam State Legal Services Authority
- Dept. of Legal Affairs (under GoI's Ministry of Law & Justice)

- Legislative Department Govt. of Assam
- District & Sessions Court, Kamrup (M)
- Family Court Guwahati
- District Consumer Court Guwahati
- National Company Law Tribunal
- Office of the Sub Registrar
- Motor Accident Claims Tribunal
- NLU Assam (NLUJAA)
- Assam University (Silchar)
- Gauhati University (Guwahati)
- Dibrugarh University (Dibrugarh), etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Own Legal Practice or a Law Firm or a Legal Process Outsourcing (LPO) firm etc.

KEY SKILLS REQUIRED

Attention to Details, Interpersonal Skills, Organizational Skills, Analysis and Research, Public Speaking, Logical Reasoning, Time Management, Technological Skills, Communication Skills, Critical Thinking, Analytical Ability, Problem Solving, Ethics & Integrity, Persuasive Skills, Negotiation, etc.

REMUNERATION/SALARY (INDICATIVE)

- Lawyers who are freshers with a work experience of 0-2 years can earn between Rupees 3 Lakhs to 5 Lakhs per annum.
- Lawyers with a work experience of 3 - 5 years can earn between Rupees 5 Lakhs to 9 Lakhs per annum.
- Lawyers with a work experience of 6 - 10 years can earn between Rupees 10 Lakhs to 15 Lakhs per annum.
- Lawyers with a work experience of 10 -15 years can earn between Rupees 15 Lakhs to 30 Lakhs per annum.
- Lawyers with a work experience of 15 years and above plus can earn between Rupees 30 Lakhs to 1 crore (or even more) per annum.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, experience, location, the job profile, organization, and market conditions at that time.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- EY
- AZB & Partners
- Amarchand & Mangaldas & Suresh A. Shroff & Co.
- Google
- S&R Associates
- TCS
- Trilegal
- J P Morgan
- Thomson Reuters
- Delhi High Court
- L&L Partners
- Allstate
- ICICI Bank
- Flipkart
- GEICO

- Epiq
- Accenture
- Khaitan & Co.
- HDFC Bank
- Wipro
- PSUs and Government Organisations
- J Sagar Associates (JSA)
- Nishith Desai Associates
- McKinsey & Company
- Reliance Industries
- Microsoft
- Luthra & Luthra
- KPMG
- IBM
- Deloitte

- Supreme Court of India
- Lakshmi Kumaran & Sridharan
- Amazon
- Talwar Thakore & Associates
- Bajaj Allianz General Insurance Company
- Desai & Diwanji
- Infosys
- Finsec Law Advisors
- Phoenix Legal
- Novartis
- Tata Communications
- Others

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of a prospective career in Law in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Law Career in India

- Educational Institutions: Numerous law schools and universities offer LL.B. (Bachelor of Laws) degrees, with significant variation in quality.
- Diverse Roles: Careers in law span across litigation, corporate law, civil services, judiciary, academia, legal consultancy, and non-governmental organizations (NGOs).
- Regulatory Framework: The Bar Council of India (BCI) regulates legal education and practice, setting standards for legal education and professional conduct.
- Employment Opportunities: Available in law firms, corporate legal departments, courts, government agencies, and as independent practitioners.
- Skill Requirements: Strong understanding of legal principles, analytical skills, research capabilities, proficiency in legal drafting, and good communication skills.

2. Desired State of Law Career in India

- Advanced Skill Sets: Legal professionals should possess skills in emerging areas such as intellectual property law, cyber law, environmental law, and international law.
- Global Competency: Knowledge and skills that meet global legal standards to compete internationally.
- Continuous Professional Development: Emphasis on ongoing learning and adaptation to new legal trends and practices.
- Technological Proficiency: Proficiency in using legal research databases, e-discovery tools, and understanding the impact of technology on law.
- Ethical Standards: High emphasis on legal ethics, professional responsibility, and integrity.

Copyright © EnrichMyCareer

CAREER IN MANAGEMENT

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN MANAGEMENT

A career in management offers a dynamic and rewarding path for individuals who have (or who would like to develop) strong managerial (or leadership), problem-solving, and communication skills. Management roles span across various industries and sectors, providing opportunities to lead teams, drive strategic initiatives, and make meaningful contributions to organizational success.

It familiarizes students with a wide spectrum of knowledge on business, trade, management techniques, industry operations, economics fundamentals, fiscal policies, industrial regulations, & financial markets.

One of the key aspects of a management career is the opportunity to inspire & shape an organization's direction. Managers are responsible for setting goals, developing strategies, and aligning resources to achieve objectives effectively. Whether it's overseeing daily operations, managing projects, or leading change initiatives, managers play a crucial role in driving growth, innovation, and sustainability.

Moreover, a career in management offers continuous learning and professional development opportunities. As the business landscape evolves, managers must stay updated on industry trends, best practices, and emerging technologies to stay competitive and drive organizational excellence.

Management roles often come with a high level of responsibility and the chance to make a positive impact on employees' professional development and well-being, and ensuring organizational success.

Different Functions and/or Specialization Areas in Management: Marketing Management; Human Resources Management; Financial Management; Sales Management, Strategy Management; Operations Management; Sustainability Management; International Business Management, Project Management etc. in various industries and sectors such as IT, Retail, Hospitality, Logistics & Supply Chain, Healthcare, Pharma, Education, FMCG, Telecom, Agriculture, Transportation, Construction, Sports, Oil & Gas, etc. Trending or upcoming Specialization areas in Management include Sports Management, Blockchain Management, Sustainability Management, Public Administration, Fashion Business Management, Leadership, Entrepreneurship, Communications Management, Management Consulting etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING MANAGEMENT IN INDIA

- ☑ Students with any academic background can apply for Management degree programs, although commerce students are often preferred.
- ☑ To pursue a career in Management, a minimum of 50% marks in 10+2 is required for admission to a bachelor's degree program in Management.
- ☑ For diploma courses in Management, candidates should hold a bachelor's degree in management from a recognized university or postgraduate degree in management with minimum 55% aggregate.
- ☑ For master's or postgraduate programs in Management, candidates should have completed a bachelor's degree in management or an equivalent course, with an aggregate score of 50% or more.
- ☑ Aspiring candidates for doctoral programs in Management should have completed a master's or postgraduate degree in management or an equivalent course, with aggregate score of 55% or more.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- ☑ There are some institutes (such as Delhi University, NMIMS, among others) that have an eligibility criterion that requires mathematics (in Class 12th) for a BMS/BBA/BBM course.
- ☑ Some colleges may admit students based on merit, while others might require candidates to clear a management entrance exam.

POPULAR UG DEGREES IN MANAGEMENT IN INDIA

BBA/ BMS/ BBM/ BBS/ BRM/ BSCM/ BEM/ B.Com etc. in various domains such as Marketing, Business Administration, Business Management, Business Analytics, Human Resource, Public Relations, Marketing & Sales, Information Technology, Foreign Trade, International Business, Supply Chain, Public Policy among others

POPULAR PG DEGREES IN MANAGEMENT IN INDIA

MBA/ EMBA/ PGDM/ PGDBA/ PGDHRM/ PGDOM etc. in various domains such as Marketing, Business Administration, Business Management, Business Analytics, Human Resource, Public Relations, Marketing & Sales, Information Technology, Foreign Trade, International Business, Supply Chain, Public Policy, Entrepreneurship, Import & Export among others

Note: *Integrated courses usually mix UG and PG studies together into one program, which allows students to streamline their academic journey, potentially saving time and resources compared to pursuing each degree separately. For e.g., in a combined BBA+MBA course, students start by learning business basics (in BBA) and then smoothly move into more advanced lessons (in MBA) without having to apply again.*

POPULAR DIPLOMA COURSES IN MANAGEMENT IN INDIA

Diploma in Business Management/Retail Management/Financial Management/Human Resource Management/Export & Import Management/Entrepreneurship/Supply Chain Management/International Business etc.

POPULAR CERTIFICATION COURSES IN MANAGEMENT IN INDIA

Certificate Program/Executive Certificate Program/PG Certificate Program/Advanced Management Program etc. in areas such as Management/ General Management/Business Management etc.

COMMON ENTRANCE EXAMS FOR PURSUING MANAGEMENT COURSES IN INDIA

CUET, CAT, MAT, CMAT, MAH CET, TISS NET, SET, IPMAT, NMAT, ATMA, SNAP, XAT, IIFT, IBSAT, GMAT, MICAT, NPAT etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Management courses.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in any Stream → Pursue Graduation in Any Discipline for 3-5 years → Pursue PG Diploma in Management/MBA for 2 years.

Study/Course Pathway 2:

Study Class XII in Science Stream → Pursue B.Tech/BE for 4 years → Pursue PG Diploma in Management/MBA for 2 years.

Study/Course Pathway 3:

Study Class XII in Commerce Stream → Pursue Graduation in BBA/BMS/B.Com for 3 years → Pursue PG Diploma in Management/MBA for 2 years.

Study/Course Pathway 4:

Study Class XII in any Stream with Math as a compulsory subject → Pursue BBA(H)/B.Com(H)/B.Sc Economics/B.Sc Finance for 3-4years → Pursue MBA in Finance/Business Analytics/International Business/Operations Management/HR/any specialization for 2 years Or Work in a Job.

Study/Course Pathway 5:

Study Class XII in Commerce Stream → Pursue Integrated Programme in Management (IPM) [i.e. BBA +MBA] for 5 years → Do Internships or Job.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 6:

Study Class XII in any Stream → Pursue B.Com/BBA/BMS/BBE /BBA Banking & Insurance/BFM for 3-4 years → Pursue MBA for 2 years Or Work → Pursue PhD in Management Science or Continue to Work.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MANAGEMENT RELATED COURSES IN INDIA

- Indian Institute of Management (IIM) - Multiple Locations
- XLRI School of Management - Jamshedpur
- Management Development Institute – Gurgaon
- Symbiosis Institute of Business Management - Pune
- Christ University – Bangalore
- Shoolini University - Solan
- Vijaybhoomi University - Karjat

- NMIMS – Mumbai
- Shiv Nadar University - Noida
- S P Jain Institute of Management & Research - Mumbai
- Amity University - Noida
- Chandigarh University - Chandigarh
- Institute of Management, Nirma University - Ahmedabad
- Indian Institute of Foreign Trade - Delhi
- T A Pai Management Institute - Manipal

- Indian School of Business - Hyderabad
- Faculty of Management Studies – Delhi
- Shaheed Sukhdev College of Business Studies - Delhi
- NIMS Institute of Management - Jaipur
- NICMAR University - Pune
- Indraprastha University - Delhi
- OP Jindal Global University - Sonepat
- Jagran Lake University - Bhopal

- Shobhit University - Meerut
- St. Xavier's College - Mumbai
- Tata Institute of Social Sciences - Mumbai
- Mudra Institute of Communications Studies - Ahmedabad

Copyright © EnrichMyCareer

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Many institutions conduct (or consider) entrance exams for degree courses in Management, which require a good or qualifying score for the student to get admitted in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MANAGEMENT RELATED COURSES IN ASSAM

- K C Das Commerce College - Guwahati
- Gauhati Commerce College - Guwahati
- B. Borooah College - Guwahati
- Gauhati University - Guwahati
- Tezpur University - Tezpur
- Assam University - Silchar
- Dibrugarh University - Dibrugarh
- Royal Global University - Guwahati
- Girijananda Chowdhury Institute of Management and Technology - Guwahati
- Bodoland University - Kokrajhar
- IIT Guwahati - Guwahati
- Assam Down Town University - Guwahati
- Assam Don Bosco University – Guwahati
- The Assam Kaziranga University - Jorhat
- NERIM – Guwahati
- Bongaigaon College - Bongaigaon
- Nagaon GNDG Commerce College - Nagaon
- Krishna Kanta Handiqui State Open University - Guwahati
- Asian Institute of Management & Technology - Guwahati
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct (or consider) entrance exams for degree courses in Management, which require a good or qualifying score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE MANAGEMENT RELATED COURSES

- Massachusetts Institute of Technology, USA
- Stanford University, USA
- Harvard Business School, USA
- The Wharton School, USA
- Kellogg School of Management, USA
- University of Toronto, Canada
- University of Cambridge, UK
- The University of Melbourne, Australia
- INSEAD – France and Singapore
- London Business School, UK
- ESADE Business School, Spain
- HEC Paris, France
- University of New South Wales, Australia
- Mannheim Business School, Germany
- ·National University of Singapore, Singapore
- University of Oxford, UK
- SDA Bocconi School of Management, Italy
- York University, Canada

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a Management degree abroad, they will have to provide English proficiency test scores of TOEFL/IELTS etc., and SAT/ACT or relevant entrance exams scores for bachelor's degree programs, and GRE/GMAT or relevant entrance exams scores for master's degree programs. Also, they are required to submit Essays, Statement of Purpose (SOP), and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Sales Manager, Marketing Manager, General Manager, Chief Executive Officer, Chief Operations Officer, Client Service/Relationship Manager, Sales Representative, Project Manager, Office Manager, Logistics Manager, HR Manager, Operations Manager, Business Manager, Community Manager, Data Analyst, Account Executive, Business/Management Consultant, Retail Manager, IT Manager, Event Manager, Supply Chain Manager, Business Analyst, Product Manager, Management Trainee, Brand Manager etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- IT Companies
- Internet Services Companies
- Ecommerce Industry
- Manufacturing Companies
- Automotive Companies
- Financial Services Companies
- Banks
- Investment Banking Firms
- Consulting Firms
- Hotels
- Telecom Companies
- FMCG Industry
- Retail Industry
- Education/Training Firms
- Pharma Companies
- Insurance Firms
- Wealth Management Firms
- Digital Marketing Companies
- Event Management Companies
- Hospitals & Clinics
- Real Estate Firms
- Construction Companies
- Logistics & Shipping Companies
- Asset Management Companies
- Advertising & Media Agencies
- Agribusiness Companies
- Food Processing Units
- Nonprofit organizations
- Environmental Organizations
- Sustainability Consulting Firms
- Startups
- Educational Institutes etc.

GOVERNMENT OR PUBLIC BODIES

- NITI Aayog
- Dept. of Commerce
- Dept. for Promotion of Industry and Internal Trade
- Dept. of Corporate Affairs
- Dept. of Rural Development
- Dept. of Housing and Urban Affairs
- Dept. of Health and Family Welfare
- Dept. of Education
- Dept. of Environment Forest and Climate Change
- Dept. of Science and Technology
- Dept. of Industrial Policy and Promotion
- Dept. of Urban Development
- Indian Railways
- Shipping Companies
- Indian Armed Forces
- Dept. of Personnel and Training
- Dept. of Economic Affairs
- Dept. of Revenue
- Airports & Airlines
- Govt. Hospitals
- PSUs (ONGC, BHEL, SAIL etc.)
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Amalgamated Plantations
- Taj Vivanta
- Assam Tourism Development Corporation
- GNRC Hospital
- SBI
- Gauhati University
- IIT-Guwahati
- Godrej Consumer Products
- Assam Inland Water Transport Development Society
- Britannia Industries
- LGBI Airport
- Assam Don Bosco University
- Assam Petrochemicals
- Assam Tea Corporation
- Indigo
- Assam Information Technology Dept.
- Assam Labor & Welfare Dept.
- Amrit Cement
- Diageo

- Air Asia
- Akasa Airlines
- Assam Gramin Vikash Bank
- Numaligarh Refinery Ltd
- Emcure Pharmaceuticals
- LIC
- Assam State Transport Corporation
- ICICI Bank
- HDFC Bank
- Directorate of Health & Family Welfare
- North East Development Foundation
- Dabur India
- Apollo Hospitals
- Assam Finance Dept.
- Assam Higher Education Dept.
- Gotisheel Technologies
- Aasray Food
- Airtel India
- Bacs Energy etc

IF SELF EMPLOYED/ENTREPRENEUR

Consulting Services, Ecommerce Business, IT Company, Education & Training Services, Health & Wellness Studio, Brand Franchise, Real Estate Development/Consultancy, Renewable Energy Solutions, Interior Design Studio, Pet Care Services, Food Business, AgriTech/FinTech/EdTech/MedTech Startup, Home Healthcare Services, Personal Finance Consultancy, Manufacturing Unit, Wholesale/Retail Outlet, etc.

KEY SKILLS REQUIRED

Problem Solving, Communication Skills, Leadership, Delegation, Time Management, Interpersonal Skills, Team Building, Management Skills, Organization Skills, Decision Making, Analytical Skills, Negotiation, Strategic Planning, Multitasking, Listening Skills, Critical Thinking, Adaptability, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Entry Level (0-2 years): Rs. 3-6 lakhs per year: includes management trainee, assistant manager etc.
- Mid-Level (2-5 years): Rs. 6-12 lakhs per year: includes team leader, manager etc.
- Senior Level (5-10 years): Rs. 12-20 lakhs per year: includes senior manager, department head, etc.
- Executive Level (10+ years): Rs. 20 lakhs+ per year: includes general manager, director, vice president.

Note: *Above figures are indicative and can vary based on the industry, company, location, and individual qualifications & skills. Also, management professionals often have opportunities for career advancement, skill development, and higher earnings through performance-based incentives, promotions, and bonuses.*

TOP RECRUITERS

- KPMG
- IBM
- Wipro
- Microsoft
- Reliance
- Hindustan Unilever
- Google
- Flipkart
- Mahindra & Mahindra
- Godrej
- TCS
- Dell
- Accenture
- Airtel

- Deloitte
- Amazon
- HDFC Bank
- State Bank of India
- Boston Consulting Group
- Goldman Sachs
- JP Morgan Chase & Co.
- Ernst & Young
- Tata Motors
- Airtel
- Apple
- McKinsey
- Infosys
- Others

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of a prospective career in Management in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies.

To build a successful career in management in India, acquiring a diverse set of skills is crucial. These skills encompass both technical competencies related to business management and soft skills that enhance leadership, communication, and strategic thinking.

1. Current State of Management Career in India

- Education and Training:
  - Availability of management education through various programs like MBA, BBA, and specialized courses offered by prestigious institutes (IIMs, ISB, etc.) and universities.
  - Emphasis on theoretical knowledge, case studies, and practical exposure through internships and projects.
- Job Roles and Opportunities:
  - Diverse career paths in corporate management, consulting, entrepreneurship, public sector management, and non-profit organizations
  - Opportunities across industries including IT, finance, healthcare, manufacturing, and services among others.
- Skill Requirements:
  - Technical skills such as financial management, operations, marketing, human resource management, and strategic planning.
  - Soft skills including leadership, communication, problem-solving, and teamwork.

2. Identified Gaps

- Skill Gap:
  - Advanced Technical Skills: Need for proficiency in emerging technologies like AI, data analytics, and digital marketing.
  - Soft Skills: Enhancing leadership capabilities, emotional intelligence, and cross-cultural communication.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN MASS COMMUNICATION & JOURNALISM

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN MASS COMMUNICATION & JOURNALISM

The world has seen a phenomenal and unprecedented explosion in communication technology and media in recent years and all boundaries seem to have been transcended! Media communications professionals work with relevant organizations to influence, educate, motivate, & inform public, customers, and employees about events, practices, products, services, and current affairs.

Mass communication involves reaching out and conveying relevant information to large number of targeted audiences using mass media like newspapers, magazines, television, advertisements, journals, radio, and social media. Mass Communication is a broad field, which is a combination of journalism, advertising, public relations, photography, film making, content writing etc.

Journalism is a subset (part) of mass communication, and it involves gathering, assessing, creating, and presenting news or facts and information to the public. This is done using media such as print, radio, TV, and social media. One can even specialize in a particular field of journalism such as politics, finance & economics, sports etc. Journalists in the 21st century play a very important role in providing necessary information to people regarding the day-to-day life.

Journalism and mass communication today have a wide scope and offer plenty of opportunities. So, mass communication (including journalism) is an important stream of study and a career field one may choose

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING MASS COMMUNICATION & JOURNALISM IN INDIA

- ☑ For Bachelor/UG Courses in Mass Communication/Journalism: The candidate must have completed 10+2 or equivalent qualification in any stream from a recognised board, and the candidate must have a minimum aggregate 50% marks in the qualifying examination of 10+2. Also, some colleges may require candidates to clear some entrance exams.
- ☑ For Master/PG Courses in Mass Communication/Journalism: Candidates having an undergraduate (UG) degree in any stream with 50% marks, and/or good or qualifying scores in entrance exams conducted by relevant institutes.
- ☑ For Doctoral Degree in Mass Communication/Journalism (PhD or equivalent): Candidates having a relevant master's or PG degree and at least 50% marks in their master's degree. Good or qualifying scores in entrance exams may also be required. pear for and clear entrance exams specific to psychology or general UG admission tests.

POPULAR UNDERGRADUATE (UG) DEGREES/COURSES RELATED TO MASS COMMUNICATION AND JOURNALISM IN INDIA

BA/BA(Hons.)/Bsc in domains such as Journalism & Mass Communication, Advertising, Sales Promotion, and Marketing Communication, Public Relations and Corporate Communication, Radio and Television Production etc. Bachelor of Mass Media, Bachelor of Journalism and Mass Communication, Bachelor of Film and Television Arts etc.

Copyright © EnrichMyCareer

POPULAR POSTGRADUATE (PG) DEGREES/COURSES RELATED TO MASS COMMUNICATION AND JOURNALISM IN INDIA

MA/MA (Hons)/MSc in domains like Mass Communication, Journalism and Mass Communication, Media Studies, Television and Film Production, Advertising and Public Relations, Broadcast Journalism, Media and Entertainment Studies etc. Master of Mass Communication, Master of Journalism and Mass Communication etc.

POPULAR DIPLOMA COURSES IN MASS COMMUNICATION & JOURNALISM IN INDIA

Diploma in Mass Communication and Video Production, Journalism and Mass Communication, Radio and TV Journalism etc. Post-Graduate Diploma in Mass Communication, Journalism, Broadcast Journalism, Advertising and Public Relations, Television and Film Production etc.

POPULAR CERTIFICATION COURSES IN MASS COMMUNICATION & JOURNALISM IN INDIA

Certificate Course in Journalism, Broadcast Journalism Digital Media and Online Journalism, Advertising and Public Relations, Television Production, Radio Jockeying and Broadcasting, Media Writing and Editing, Multimedia and Animation, Media Laws and Ethics, Development Communication etc.

COMMON ENTRANCE EXAMS FOR PURSUING MASS COMMUNICATION & JOURNALISM COURSES IN INDIA

CUET, Jamia Milia Islamia Entrance Exam, MU OET - Manipal University, SET, IP College for Women Entrance Exam, Christ University (Bangalore) Entrance Test (CUET), St. Xavier's College (Mumbai) Entrance Test, Mumbai University – BMM, Whistling Woods International Entrance Test, DCJ Mumbai Entrance Exam, IIMC Entrance Exam (for PG Course), Xavier Institute of Communications – OET (for PG Course), KIITEE (Kalinga Institute of Industrial Technology Entrance Exam) (for PG Course), Apeejay Institute of Mass Communication Entrance Test (for PG Course) etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Mass Communication/Journalism/Media Studies courses.*

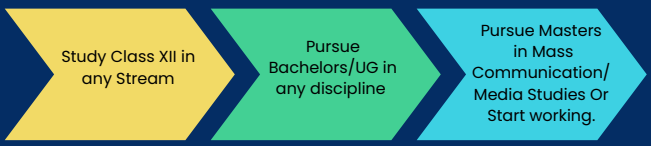
Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

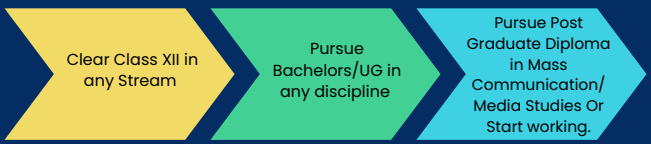
To go into the domain of mass communication or journalism/similar fields, you can follow one of the following career paths:

Study/Course Pathway 1:

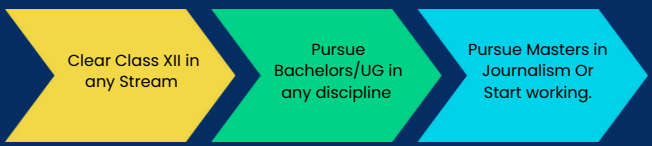
Study/Course Pathway 2:



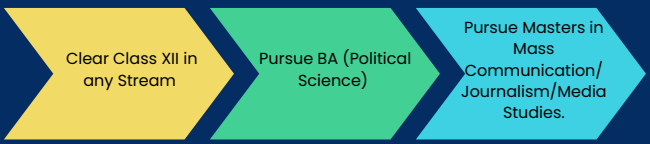
Study/Course Pathway 3:



Study/Course Pathway 4:

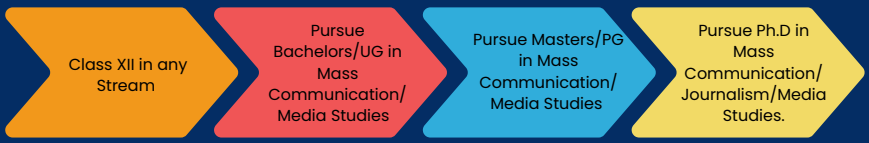


Study/Course Pathway 5:

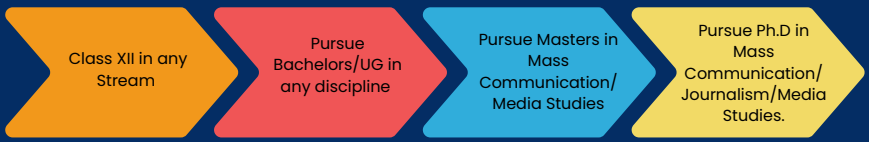


Copyright © EnrichMyCareer

Study/Course Pathway 6:



Study/Course Pathway 7:



Note: *Students aspiring for a career in mass communication or journalism can opt for any stream in 10+2.*

Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree/diploma course for advanced or specialized studies, and even further go on to do a Ph.D in the field if they desire.*

Note: *The UG Courses in Mass Communication/Journalism are generally of 3 years duration. And the PG Courses in Mass Communication/Journalism are generally of 2 years duration.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MASS COMMUNICATION & JOURNALISM COURSES IN INDIA

- Guru Gobind Singh Indraprastha University, Delhi
- St. Xavier's College, Mumbai
- Jamia Millia Islamia University, Delhi
- Symbiosis Institute of Media and Communication, Pune
- Whistling Woods International, Mumbai
- Indian Institute of Mass Communication, Multiple locations
- University of Delhi - [DU], New Delhi
- University of Mumbai, Mumbai
- St. Xavier's University, Kolkata

- Jai Hind College, Mumbai
- Delhi College of Arts and Commerce, Delhi
- Banasthali Vidyapith, Jaipur
- Christ University, Bangalore
- Jagran Institute of Management and Mass Communication, Noida
- Jindal School of Journalism & Communication, Sonipat (Haryana)
- Indian Institute of Journalism and New Media, Bangalore
- Apeejay Institute of Mass Communication [AIMC], New Delhi
- SRM University, Chennai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *.Institutions may conduct entrance exams to degree courses in Mass Communication/ Journalism/ Media Studies, which require a qualifying or good score for the student to get admitted in the college/university.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MASS COMMUNICATION & JOURNALISM COURSES IN ASSAM

- Cotton University, Guwahati
- Royal Global University, Guwahati
- Assam Don Bosco University, Sonapur, Tapesia
- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- Assam University, Silchar
- North Lakhimpur College, Dibrugarh University
- Tezpur University, Sonitpur
- Assam Women's University, Jorhat
- Bhattadev University, Bajali
- KK Handiqui State Open University, Guwahati
- Dr. Bhupen Hazarika Regional Government Film and Television Institute, Sila, Changsari
- Assam Institute of Mass Communication & Media Research, Guwahati
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct entrance exams to degree courses in Mass Communication/ Journalism/ Media Studies, which require a good or qualifying score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE MASS COMMUNICATUON & JOURNALISM COURSES

- University of Akron (Ohio), United States
- Columbia University Graduate School of Journalism, United States
- Johnson & Wales University (Providence), United States
- University of the West of Scotland, Scotland
- Goldsmiths, University of London, United Kingdom
- University of Hartford, United States
- University of New England (England), United Kingdom
- San Francisco State University, United States
- Virginia Polytechnic Institute and State University, United States
- University of Amsterdam, Netherlands
- University of Missouri, United States
- University of Bristol, United Kingdom
- Cambridge, UK
- California State University at Long Beach, United States
- Saint Peter's University, United States
- Loughborough University (London), United Kingdom
- University of Southern California, United States
- The London School of Economics and Political Science (LSE), United Kingdom
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Mass Communication/Journalism/Media Studies abroad, they will have to provide English proficiency test scores of TOEFL/IELTS, etc. and GRE scores for master's degree programs. Along with this, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Journalist, Reporter, Newspaper Editor, Scriptwriter, Content Writer, Foreign Correspondent, Anchor, Lexicographer, Magazine Editor, Media Analyst, Media Trainer, Media Planner, Film Maker, Cinematographer, Screen Writer, Freelance Writer, Newscaster, Sportscaster, Radio Producer, Video Jockey (VJ), Radio Jockey (RJ), Voice-Over Performer, TV Host, TV Producer, TV-Radio Station Manager, Teacher/Professor, Novelist, PR Specialist, Photojournalist, Art/Creative Director etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- The Hindu Group
- The Times Group
- InShorts
- NDTV Network
- Indian Express
- Viacom
- BuzzFeed
- Hindustan Times Group of Publications
- CNN-IBN
- Zee TV Network
- UTV
- Sqoop
- News laundry
- Republic Networks
- Eros International
- Sinclair Broadcasting Co.
- Caravan
- The New York Times Company
- BBC Worldwide (India)
- Brut
- Creative Eye
- Sony Pictures

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Press Council of India
- Press Trust of India (PTI)
- Ministry of Information and Broadcasting
- Press Information Bureau
- Prasar Bharati
- Doordarshan
- The Bureau of Outreach and Communications
- All India Radio (AIR)
- Asom Barta
- Public/ Government Colleges
- Government Publications
- Research Institutes
- Regulatory Bodies etc.

IN ASSAM

- Dailies/Newspaper Agencies (e.g. The Assam Tribune, The Sentinel, Asomiya Pratidin, Amar Asom, Dainik Purvoday etc.)
- TV/News Channels (e.g. NE LIVE, Pratidin Time, Prag News, DY365, etc.)
- Academic Institutions (e.g. Royal Global University, Assam Don Bosco University, Gauhati University, Dr. Bhupen Hazarika Regional Government Film and Television Institute, Dibrugarh University etc.]
- Radio Stations (RED FM 93.5, 92.7 Big FM, 94.3 FM)
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Founder or Promoter of a Newspaper/News Channel/Sports Channel/Media Production House/Advertising agency/Event Management company/PR firm/Entertainment company/TV Station/Radio Station, Freelance Content Writer/Copywriter, Promoter of an Academic Institute providing Journalism and Mass Communication courses etc..

KEY SKILLS REQUIRED

Interest and Aptitude for Media and Journalism, Open-Mindedness, Critical Thinking, Research, Persistence, Good Communication (incl. Verbal or Spoken, Writing etc.), Interpersonal, Presentation, Documentation, Editing, Logical Reasoning, Curiosity, Attention to detail etc.

REMUNERATION/SALARY (INDICATIVE)

- A fresher in mass communication or journalism can earn from INR 12,000 to INR 30,000 per month, depending on one's qualifications, capabilities, job profile, industry, and location.
- A person having about five years of experience can get a salary starting from INR 50,000 per month to more than INR 1 Lakh per month, depending on the job role, industry, location, and one's capabilities and qualifications.
- With more experience and skills, one can earn even more.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, experience and college reputation, and the job profile, organization, and market conditions at that time.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- AIR (All India Radio)
- NDTV Network
- UTV
- India Today Network
- Hindustan Group of Publications
- The Hindu Group
- The Times Group
- Viacom
- Doordarshan
- InShorts
- Indian Express Ltd.
- BuzzFeed
- CNN-IBN
- Press Trust of India (PTI)
- Ministry of Information and Broadcasting
- Press Information Bureau
- Prasar Bharati
- The Assam Tribune
- The Sentinel

- Pratidin
- Dainik Purvoday
- DY365
- NE LIVE
- Red FM
- Zee TV Network
- Sqoop
- Tribune Media Co.
- Newslaundry
- Republic Networks
- Sinclair Broadcasting Co.
- Eros International
- Caravan
- The New Tork Times Company
- BBC Worldwide (India) Pvt. Ltd.
- Sony Pictures
- Netflix
- Brut
- Excel Entertainment
- Others

GAP ANALYSIS

A gap analysis of a prospective career in mass communication and journalism and related jobs in India involves examining the discrepancies between the current state of the workforce and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Mass Communication and Journalism Career in India

- Educational Institutions: Numerous universities and colleges offer degrees in mass communication and journalism, with varied quality of education.
- Diverse Roles: Careers span across print, broadcast, digital media, public relations, advertising, and corporate communications.
- Technological Influence: Rapid growth in digital media has transformed the industry, increasing demand for digital journalism and social media management.
- Employment Opportunities: Available in media houses, television channels, radio stations, PR firms, advertising agencies, and as freelancers.
- Skill Requirements: Strong writing, reporting, editing, and multimedia skills; understanding of media ethics and laws.

Copyright © EnrichMyCareer

2. Desired State of Mass Communication and Journalism Career in India

- Advanced Skill Sets: Professionals should be adept in multimedia journalism, data journalism, digital storytelling, and social media management.
- Global Competency: Knowledge and skills aligning with international journalism standards.
- Continuous Professional Development: Emphasis on ongoing learning and adaptation to new media trends.
- Technological Proficiency: Proficiency in using advanced tools for digital content creation, data visualization, and audience analytics.
- Ethical Standards: High emphasis on media ethics, integrity, and accurate reporting.

Copyright © EnrichMyCareer

CAREER IN MATHEMATICS & STATISTICS

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN MATHEMATICS & STATISTICS

A career in mathematics and statistics opens up a world of possibilities and opportunities. These fields are the backbone of many industries, from finance and economics to engineering and computer science.

Mathematicians and statisticians are problem solvers, analyzing and interpreting data to uncover patterns, trends, and insights. They use advanced mathematical and statistical techniques to model complex systems, develop algorithms, and make data-driven decisions.

In the financial sector, mathematicians and statisticians play a crucial role in risk management, portfolio optimization, and quantitative trading strategies. They develop models to predict market behavior and mitigate potential losses.

The field of data science heavily relies on mathematics and statistics. Data scientists use statistical methods to clean, analyze, and interpret vast amounts of data, extracting valuable insights for businesses and organizations.

Research institutions and universities also offer rewarding careers for those passionate about theoretical mathematics and statistics. Researchers push the boundaries of knowledge, developing new theories and methodologies that shape our understanding of the world.

With the ever-increasing importance of data and analytics, the demand for skilled mathematicians and statisticians continues to grow across various industries. A career in these fields offers intellectual challenges, opportunities for innovation, and the potential to make a significant impact on society.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING MATHEMATICS & STATISTICS IN INDIA

- ☑ Pass 10+2 or equivalent exam from a recognized board with Mathematics as one of the subjects.
- ☑ Minimum percentage or grades in Mathematics as required by the chosen university or college is usually 60-70% or equivalent grades.
- ☑ Clear the relevant entrance exam(s) conducted by the university or college if required (e.g., JEE Advanced for IITs, DUCET for University of Delhi, etc.).
- ☑ Some universities may consider performance in other national or state-level entrance tests like CUET, etc.
- ☑ For Postgraduation and PhD: Bachelor's/Master's degree in Mathematics, Statistics, Applied Mathematics, or a related field from a recognized university, with a minimum percentage or CGPA as specified (usually 50-60% or more).

POPULAR UNDERGRADUATE (UG) DEGREES IN MATHEMATICS & STATISTICS IN INDIA

BSc/BSc (Hons)/BA/B.Ed/BTech in Mathematics & Statistics/Mathematics & Economics/ Mathematics/Mathematics (Hons)/Mathematics & Computing/Statistics/Statistics (Hons)/Applied Statistics/Agriculture Statistics etc.

POPULAR POSTGRADUATE (PG) DEGREES IN MATHEMATICS & STATISTICS IN INDIA

MSc/MA/M.Phil/MTech in Mathematics/Mathematics & Applied Mathematics/Computational Mathematics/Econometrics/Applied Mathematics/ Statistics & Informatics/Statistics/Applied Statistics/Statistics & Information Technology/Development Statistics etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DIPLOMA COURSES IN MATHEMATICS & STATISTICS IN INDIA

PG Diploma in Econometrics/Industrial Mathematics/Computational Mathematics and Statistics/Statistical Techniques & Computation etc.

POPULAR DIPLOMA COURSES IN MATHEMATICS & STATISTICS IN INDIA

Diploma in Statistics/Vedic Maths/Computation Maths etc.

Note: *Those who are interested in pursuing PhD Degrees in Mathematics and/or Statistics in India can do PhD in Mathematics/Statistics/Applied Mathematics etc.*

COMMON ENTRANCE EXAMS FOR PURSUING MATHEMATICS & STATISTICS COURSES IN INDIA

JEE, CUET, CUET PG, NPAT, JET, NEST, IISER Aptitude Test, GATE, BITSAT, IIT JAM, Indian Statistical Institute Entrance Exam, JEE Advanced, CMI Entrance Exam, VITEEE etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be other entrance tests conducted by various colleges/universities or authorities in India that offer Mathematics/Statistics courses at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE MATHEMATICS)

Study/Course Pathway 1:

Study Class XII in Science Stream with Maths → Pursue B.A./B.Sc. in Mathematics for 3-4 years → Pursue M.A./M.Sc./MS in Mathematics for 2 years → Pursue PhD in Mathematics or related field for 3-5 years OR take up a job.

Study/Course Pathway 2:

Study Class XII in Science Stream with Maths → Pursue B.E./B. Tech in Mathematics/B. Math for 4 years → Pursue MA/MSc in Mathematics for 2 years → Pursue PhD in Mathematics/ similar field for 3-5 years OR take up a job.

Study/Course Pathway 3:

Study Class XII in Science Stream with Maths → Pursue Integrated Program (B.Sc. + M.Sc.) Mathematics for 5 years → Pursue PhD in Mathematics or related field for 3-5 years OR take up a job.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE STATISTICS)

Study/Course Pathway 1:

Study Class XII in Science Stream with Maths → Pursue B.A./B.Sc. in Statistics/Applied Statistics Or B.Stats for 3-4 years → Pursue M.A./M.Sc. in Statistics Or M.Stats for 2 years → Pursue PhD in Statistics or related field for 3-5 years OR take up a job.

Study/Course Pathway 2:

Study Class XII in Science Stream with Maths → Pursue Integrated Program (B.Sc. + M.Sc.) Statistics for 5 years → Pursue PhD in Statistics or related field for 3-5 years OR take up a job.

Note: *After the completion of UG degree, the candidate can either apply for relevant entry-level jobs based on their skills & interest, or they can opt for a PG degree/diploma course in Mathematics and/or Statistics.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MATHEMATICS AND STATISTICS COURSES IN INDIA

- Indian Statistical Institute (ISI), Multiple Locations
- Indian Institute of Technology (IITs), Multiple Locations
- Indian Institute of Science (IISc.), Bangalore
- Indian Institute of Science Education & Research (IISER), Multiple Locations
- St. Xavier's College, Mumbai and Kolkata
- St. Stephen's College, Delhi

- National Institute for Science Education and Research (NISER), Bhubaneswar
- Fergusson College, Pune
- BITS, Pilani
- Tata Institute of Fundamental Research (TIFR), Multiple Locations
- Loyola College, Chennai
- Delhi Technological University (DTU), Delhi
- Ashoka University, Sonipat

- Hans Raj College, Delhi
- Hindu College, Delhi
- Christ University, Bangalore
- Banaras Hindu University, Varanasi
- Amity University, Noida
- VIT, Vellore
- Shoolini University, Solan
- Lady Shri Ram College, Delhi

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Maths and Statistics, which may require qualifying scores from students to get admission in the college/university.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MATHEMATICS AND STATISTICS COURSES IN ASSAM

- KC Das Commerce College, Guwahati
- Indian Statistical Institute, Tezpur
- Arya Vidyapeeth College, Guwahati
- IIT-Guwahati
- NIT-Silchar
- Gauhati University, Guwahati
- Bahona College, Jorhat
- Handique Girls College, Guwahati
- Nowgong College, Nagaon
- Cotton University, Guwahati
- Tezpur University, Tezpur

- ADP College, Nagaon
- Abhayapuri College, Abhayapuri
- Barnagar College, Barpeta
- Sibsagar College, Sivasagar
- Rangia College, Rangia
- Dakshin Kamrup College, Mirza
- Darrang College, Tezpur
- Morigaon College, Morigaon
- West Goalpara College, Goalpara
- Digboi College, Digboi
- Tangla College, Tangla

- Dudhnoi College, Dudhnoi
- Haflong Government College, Haflong
- Jorhat Institute of Science and Technology, Jorhat
- Karimganj College, Karimganj
- Tinsukia College, Tinsukia
- Nalbari College, Nalbari

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Maths and Statistics, which may require qualifying scores from students to get admission in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE MATHEMATICS AND STATISTICS COURSES

- Harvard University, United States
- Stanford University, United States
- University of California-Berkeley, United States
- University of Cambridge, United Kingdom
- University of Oxford, United Kingdom
- Massachusetts Institute of Technology (MIT), United States
- Georgia Institute of Technology, United States

- National University of Singapore, Singapore
- ETH Zurich, Switzerland
- Carnegie Mellon University, United States
- University of Michigan, United States
- Princeton University, United States
- University of California-Los Angeles, United States
- University of Tokyo, Japan

- University of Chicago, United States
- Imperial College London, United Kingdom
- University of Toronto, Canada
- Ecole Polytechnique, France
- The University of Hong Kong, Hong Kong

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Mathematics/Statistics abroad, they most likely need to provide TOEFL/ IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's courses, and GRE scores for master's courses. Also required are a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Data Scientist, Mathematician, Statistician, Software Developer, Economist, Actuary, Research Analyst, Teacher/Professor, Quantitative Analyst, Financial Analyst, Cryptographer, Business Intelligence Analyst, Biostatistician, Web Analytics Specialist, SAP Consultant, Technical Writer, Sports Statistician, Operations Research Analyst, Numerical Analyst, Physicist, Astronomer, Software Engineer, Computer Scientist, Survey Researcher, Econometrician, Quality Control Analyst, Accountant, Demographer, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- MNCs
- Banks
- Insurance Companies
- Finance Companies
- Colleges & Universities
- Schools
- IT Companies
- Nuclear & Space Industries
- Investment Banks
- Hedge Funds and Asset Management Firms
- Cybersecurity & Cryptography Firms
- Data Analytics & Business Intelligence Companies
- Management Consulting Firms
- Automotive Companies
- Research Institutions & Think Tanks
- Artificial Intelligence & Machine Learning Companies
- Sports Analytics Companies
- Marketing & Advertising Agencies
- Pharmaceutical & Biotech Companies
- E-commerce Companies etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Defence Research and Development Organisation (DRDO)
- Indian Space Research Organization (ISRO)
- National Aeronautics Ltd. (NAL)
- Indian Statistical Service
- Indian Economic Service
- National Sample Survey Office
- Reserve Bank of India (RBI)
- Indian Institute(s) of Technology (IITs)
- Council of Scientific and Industrial Research (CSIR)
- Central Statistical Organization
- National Statistical Commission
- National Informatics Centre (NIC)
- Directorate General of Commercial Intelligence and Statistics
- National Council for Educational Research & Training
- National Institute of Biomedical Genomics
- Indian Institute of Tropical Meteorology
- Public Research Bodies & Think Tanks
- National Institute of Health & Family Welfare
- NASA (USA) etc.

IN ASSAM

- State Bank of India
- HDFC Bank
- Directorate of Economics and Statistics
- Indian Statistical Institute (ISI)-North-East Centre (Tezpur)
- Life Insurance Corporation of India
- ICICI Prudential
- Oil India Ltd.
- Bajaj Allianz Life Insurance
- Assam Remote Sensing Application Centre
- Assam Science and Technology University
- Assam Science Technology and Environment Council
- Assam State Disaster Management Authority
- NIT-Silchar
- IIT-Guwahati
- Apollo Hospitals
- Directorate of Women & Child Development (Assam)
- Public and Private Schools
- Gauhati University etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Cryptography and Security Solutions, Data Analytics and Consulting Services, Statistical Software Development, Online Educational Platform, Actuarial Consulting, Statistical Consulting and Research, Risk Management and Compliance Solutions, Geospatial Analytics and Mapping Solutions, Publishing Mathematical or Statistical Books, Journals, or Online Resources, Pricing and Revenue Management Solutions, Mathematics and Statistics Curriculum Development for Educational Institutions, Maths & Statistics Tutoring or Coaching etc.

KEY SKILLS REQUIRED

Problem Solving, Analytical, Logical Reasoning, Critical Thinking, Data Analysis, Attention to Detail, Information Visualization, Research, Adaptability, Perseverance, Communication Skills, Teamwork, etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-level (0-2 years of experience): Bachelor's degree: Rs. 20,000 - 35,000 per month; Master's degree: Rs. 25,000 - 45,000 per month.
- Early career (2-5 years of experience): Rs. 35,000 - 70,000 per month; In sectors like banking, finance, IT: Rs. 45,000 - 80,000 per month.
- Mid-career (5-10 years of experience): Rs. 70,000 - 1,50,000 per month; Specialized roles or research positions: Rs. 90,000 - 2,00,000 per month.
- Experienced (10-15 years of experience): Rs. 1,50,000 - 3,00,000 per month; Leadership roles: Rs. 2,00,000 - 4,00,000 per month.
- Senior-level (15+ years of experience): Rs. 3,00,000 - 6,00,000 per month; Top-level roles (Chief Data Scientist, Head of Research etc.): Rs. 4,00,000 - 12,00,000 per month or higher.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, and experience, and the job profile, organization, location, and market conditions. Professionals with specialized expertise in domains like quantitative finance, cryptography, or cutting-edge research may command higher salaries due to the niche nature of their work.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Chennai Mathematical Institute
- Institute of Mathematical Sciences
- Tata Institute of Fundamental Research
- Indian Statistical Institute
- State Bank of India
- Axis Bank
- TCS
- Ernst & Young
- Intel

- HCL Technologies
- Infosys
- Wipro
- Indian Economic Services
- Indian Statistical Services
- Reserve Bank of India
- McKinsey & Company
- Amazon
- IndiGo
- Hindustan Aeronautics Limited

- DRDO
- Bharat Electronics Ltd.
- Accenture
- Qualcomm
- Reliance Jio
- BSNL
- IITs
- Indian Navy
- Deloitte
- Google
- Boeing
- Cognizant
- Flipkart

GAP ANALYSIS

A gap analysis of a prospective career in Mathematics and Statistics in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Mathematics and Statistics Career in India

- Education and Training:
  - Availability of undergraduate (B.Sc.), postgraduate (M.Sc.), and doctoral (Ph.D.) programs in Mathematics and Statistics offered by universities and institutes across India.
  - Emphasis on theoretical foundations, mathematical modeling, statistical analysis, and computational techniques.
- Job Roles and Opportunities:
  - Diverse career paths in academia, research institutions, government agencies (e.g., NSSO, RBI), financial sectors, IT industry, pharmaceuticals, and data science.
  - Roles include statisticians, data analysts, actuaries, research analysts, operations researchers, and educators.
- Skill Requirements:
  - Technical Skills: Proficiency in mathematical theories, statistical methods (descriptive, inferential), and software tools (R, Python, SAS).
  - Analytical Skills: Problem-solving abilities, critical thinking, and quantitative reasoning.
  - Communication: Ability to interpret and present complex data insights to non-technical stakeholders.

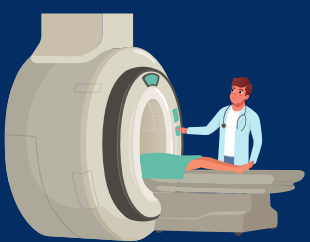
Copyright © EnrichMyCareer

2. Identified Gaps

- Skill Gap:
  - Advanced Analytical Skills: Need for expertise in advanced statistical techniques (e.g., machine learning, predictive modelling).
  - Programming Proficiency: Demand for stronger programming skills in languages like Python and R for data manipulation and analysis.
- Industry Alignment:
  - Disconnect between academic curriculum and industry demands for practical application of statistical methods and data analysis.
  - Limited exposure to interdisciplinary applications such as bioinformatics, finance, and healthcare analytics.
- Technological Integration:
  - Slow adoption of emerging technologies (AI, machine learning) and big data analytics in traditional academic settings.
  - Need for practical training in using statistical software and tools widely used in industry settings.

Copyright © EnrichMyCareer

CAREER IN MEDICAL LABORATORY TECHNOLOGY



Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN MEDICAL LABORATORY TECHNOLOGY

A career as a medical laboratory technician entails the critical task of facilitating accurate diagnoses and treatment plans by conducting meticulous analyses of bodily fluids, tissues, and other specimens. These technicians work behind the scenes in labs, using special tools & machines to analyze samples like blood, urine, and tissue. They look for things that can signal illness or infection, like bacteria or abnormal cells.

Once certified, medical laboratory technicians find employment in diverse healthcare facilities such as hospitals, clinics, and research laboratories. Their daily responsibilities span a wide spectrum, including tasks ranging from conducting routine blood tests to scrutinizing cellular structures under a microscope.

Attention to detail is super important because even a small mistake could affect test results. They also need to be good at following instructions and working as part of a team.

A career as a medical laboratory technician offers intrinsic rewards as you play a direct role in ensuring patients receive accurate diagnoses and appropriate treatments. With ongoing advancements in medical science, there are ample opportunities for professional growth and the acquisition of new knowledge and skills in this career.

***Few Domains/Sub-domains related to Medical Lab Technicians in India*:** Clinical Technician/ Laboratory Technician/Medical Laboratory Technician, Operating Theatre Technician, Ophthalmic Med Technician, Anesthesia Technician, Medical Equipment Repair Technician, Histo-technician, Pathology Assistant/Technician, Perfusionist etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING MEDICAL LABORATORY TECHNOLOGY IN INDIA

- ☑ Completion of 10+2 in Science stream with Physics, Chemistry, Biology (with/without) Mathematics from a recognized board.
- ☑ Candidates must have successfully completed the 12th-grade or senior secondary examination with a minimum of 50% marks, which must include English.
- ☑ Some states may require candidates to clear a state-level exam or obtain a license to practice.

POPULAR UNDERGRADUATE (UG) DEGREES IN MEDICAL LAB TECHNOLOGY (MLT) IN INDIA

Bachelor's in Medical Laboratory Technology (BMLT), Bachelor of Vocation in MLT (BVoc-MLT), BSc in MLT/X-Ray Technology/ECG and Cardiovascular Technology etc.

POPULAR POSTGRADUATE (PG) DEGREES IN MEDICAL LAB TECHNOLOGY (MLT) IN INDIA

Master's in Medical Laboratory Technology (MLT), MSc in Medical Imaging Technology/X-Ray Technology etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DIPLOMA COURSES IN MEDICAL LAB TECHNOLOGY (MLT) IN INDIA

PG Diploma in Medical Laboratory Technology/Laboratory Services in Science/Biomedical Laboratory Technology etc.

POPULAR DIPLOMA COURSES IN MEDICAL LAB TECHNOLOGY (MLT) IN INDIA

Diploma in Medical Laboratory Technology/ECG Technology/Clinical Analysis/Radiography Technology/Medical Imaging Technology etc.

COMMON ENTRANCE EXAMS FOR PURSUING MEDICAL LAB TECHNOLOGY COURSES IN INDIA

CUET, NEET, KEAM, MET, AP EAMCET, TJEE, IPU CET etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer MLT courses at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream with Biology → Pursue B.Sc. in Medical Lab Technology for 3-4 years → Pursue M.Sc. in Medical Lab Technology for 2 years or start working.

Study/Course Pathway 2:

Study Class XII in Science Stream with Biology → Pursue Bachelor of Medical Laboratory Technology (BMLT) for 3-4 years → Pursue Masters in Medical Lab Technology (MMLT) for 2 years or start working.

Study/Course Pathway 3:

Study Class XII in Science Stream with Biology → Pursue B.Voc/B.Sc. in Medical Lab Technology for 3-4 years → Pursue Postgraduate Diploma in Medical Lab Technology for 1-2 years → Pursue M.Voc/M.Sc. in Medical Lab Technology for 2 years or start working.

Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant jobs based on their skills and interest, or they can opt for a postgraduate degree/diploma/ certificate course for advanced or specialized studies.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MEDICAL LAB TECHNOLOGY COURSES IN INDIA

- All India Institute of Medical Science (AIIMS), New Delhi
- Christian Medical College (CMC), Vellore
- Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh
- Hamdard Institute of Medical Sciences and Research, New Delhi
- St. John's National Academy of Health Sciences, Bangalore
- Parul University, Vadodara
- Jawaharlal Institute of Post Graduate Medical Education and Research (JIPMER), Puducherry
- Bangalore Medical College and Research Institute, Bangalore
- Banaras Hindu University, Varanasi
- King George's Medical University, Lucknow
- Calicut University, Calicut
- Amity University, Noida
- Sri Ramachandra College of Allied Health Sciences, Chennai
- Aligarh Muslim University, Aligarh
- Jamia Hamdard University, New Delhi
- Manipal University (MAHE), Manipal
- Kannur University, Kannur
- I.K Gujral Punjab Technical University, PunjabGuru
- Gobind Singh Indraprastha University, Delhi
- University College of Medical Sciences and GTB Hospital, New Delhi
- Sikkim Manipal Institute of Medical Sciences, Gangtok
- Dr YSR University of Health Sciences,
- Tamil Nadu Dr MGR Medical University, Chennai

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Medical Lab Technology, which require qualifying scores from students to get admission in the institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING MEDICAL LAB TECHNOLOGY COURSES IN ASSAM

- Assam Down Town University, Guwahati
- Assam Medical College, Dibrugarh
- Brahmaputra College, Guwahati
- Institute of Paramedical Sciences-GMC, Guwahati
- Chaiduar College, Sonitpur
- GEA National College, Guwahati
- Girijananda Chowdhury University, Guwahati
- Nowgong College, Nagaon
- Pratiksha Institute of Allied Health Sciences, Guwahati
- Pub Kamrup College, Kamrup
- Royal Global University, Guwahati
- Rangia College, Rangia
- Rupahi College, Nagaon
- The Assam Kaziranga University, Jorhat
- NEF College of Health Sciences, Guwahati
- Nepni Group of Institutions, Singimari and Guwahati
- Dispur Paramedical & Nursing Institute, Guwahati
- Regional College of Paramedical Health Sciences, Guwahati
- Institute of Paramedical Sciences-SMC, Silchar
- Mangaldai College, Mangaldai
- Gauhati University, Guwahati
- Srimanta Sankaradeva University of Health Sciences, Guwahati

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Medical Lab Technology, which require qualifying scores from students to get admission in the institutions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE MEDICAL LAB TECHNOLOGY COURSES

- Marshall University, USA
- University College London, UK
- Greenville Technical College, USA
- Auburn University, USA
- Madonna University, USA
- Auckland University Of Technology, New Zealand
- British Columbia Institute of Technology, Canada
- George Brown College, Canada
- RMIT University, Australia
- University of Queensland, Australia
- University of Otago, New Zealand
- King's College London, UK
- University of Nottingham, UK
- Johns Hopkins University USA

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Medical Laboratory Technology (MLT) abroad, they will have to provide English proficiency test scores of TOEFL/IELTS/PTE (or other foreign language proficiency test scores depending on country-specific requirements) and meet the other eligibility criteria. Some institutions may also require relevant standardized (entrance) test scores for admissions to bachelor's and master's programs in MLT. Also, a Statement of Purpose (SOP) and Letters of Recommendation (LORs) may need to be submitted.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Blood Bank Technologist, Clinical Chemistry Technologist, Cytotechnologist, Immunology Technologist, Microbiology Technologist, Hematology Technician, Molecular Biology Technologist, Radiology Technician, ECG Technician, Health Technician, Medical & Clinical Laboratory Technician, X-ray Technician, Technical Executive, Lab Technician, Laboratory Manager/Consultant/Supervisor, Laboratory Information System Analyst/ Consultant, Healthcare Administrator etc.

Copyright © EnrichMyCareer

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Private Hospitals & Clinics
- Diagnostic Laboratories
- Blood Banks
- Academic Institutes/Colleges
- Pathology Labs
- Molecular Diagnostic Labs
- Pharmaceutical Companies
- Chemical Companies
- Fertility Clinics
- Research Labs
- Information Technology Companies
- Veterinary Labs
- Forensic Labs/Agencies
- Industrial Labs
- Medical Software and Medical Coding and Billing Companies
- Medical Device Companies
- Medical Writing and Publishing Houses
- MedTech Startups etc.

GOVERNMENT OR PUBLIC BODIES

- Government Hospitals and Medical Colleges
- National Centre for Disease Control
- National Institute of Virology
- National Institute of Cholera and Enteric Diseases
- National Institute of Pathology
- Central Drug Testing Laboratories
- Indian Council of Medical Research Institutes
- Public Health Labs
- CSIR Laboratories
- DRDO Laboratories
- National Institutes of Health
- State and District Public Health Laboratories
- Government Blood Banks
- Central/State Forensic Science Laboratories
- Central Drugs Standard Control Organization
- National Accreditation Board for Testing and Calibration Laboratories
- National AIDS Control Organization etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Gauhati Medical College & Hospital
- Assam Medical College & Hospital
- Jorhat Medical College and Hospital
- Tezpur Medical College & Hospital
- District Hospitals (across various districts of Assam)
- State Public Health Laboratories
- Medical Education & Research Dept. (Govt. of Assam)
- Regional Medical Research Centre (RMRC)- Dibrugarh
- National Health Mission
- Assam State AIDS Control Society
- Dispur Hospital
- Hayat Hospital
- Downtown Hospital
- Marwari Hospital
- Guwahati Neurological Research Centre (GNRC)
- Aruna Memorial Cancer Hospital
- Apollo Hospitals
- Popular Diagnostic Center
- The Maxx Diagnostics
- Ultracare Diagnostic Centre
- Assam Healthcare Diagnostic Centre
- Meditrust Healthcare and Diagnostics, etc.

IF SELF EMPLOYED/ENTREPRENEUR

Diagnostic Laboratory, Pathology Collection Center, Mobile Diagnostic Services, Specialized Testing Facility, Medical Equipment Supplier, Laboratory Consultancy, Laboratory Training Institute, Laboratory Information Management Systems, Forensic Laboratory, Medical Writing and Publishing etc.

Copyright © EnrichMyCareer

KEY SKILLS REQUIRED

Attention to Detail, Research, Observation, Testing and Analysis, Report Writing, Communication Skills, Problem Solving, Listening Skills, Teamwork, Scientific Knowledge, Interpersonal Skills, Critical Thinking, Coordination, Supervisory Skills, etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-level (0-2 years' experience): Typically, the salaries range from Rs. 2 - 3 lakhs per annum.
- Mid-level (2-5 years' experience): The salaries usually range from Rs. 3 – 4.5 lakhs per annum.
- Senior-level (5+ years' experience): Salaries range from Rs. 4.5 – 6.5 lakhs or more per annum.

Note: *These salary ranges are indicative and can vary depending on several factors such as the specific employer, geographic location, industry demand, and the qualifications, experience levels, and additional certifications or specializations along with the negotiation skills of the individual.*

TOP RECRUITERS

- Fortis Escorts Heart Institute and Research Centre
- Apollo Hospitals
- Nanavati Super Speciality Hospital
- Manipal Hospital
- Max Healthcare
- Dr Lal PathLabs
- Abbott Diagnostics Pathology Lab
- Vijaya Diagnostic Centre Pathology Lab

- Indian Council of Medical Research Institutes
- SRL Diagnostics
- All India Institute of Medical Sciences (AIIMS)
- Thyrocare
- Metropolis Healthcare
- Suburban Diagnostics
- DRDO Laboratories
- Piramal Enterprises
- Aarthi Scans and Labs

- Food Safety and Standards Authority of India (FSSAI)
- IQVIA
- Biocon
- Pfizer
- GlaxoSmithKline
- Lupin
- Cipla
- Cadila Healthcare
- Central Government Health Scheme (CGHS) Hospitals

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Medical Laboratory Technology in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Medical Laboratory Technology Career in India

- Education and Training:
  - Programs available: Diploma in Medical Laboratory Technology (DMLT), Bachelor of Science in Medical Laboratory Technology (B.Sc. MLT), and postgraduate programs (M.Sc. MLT) among others.
  - Training includes theoretical knowledge, practical laboratory skills, and clinical internships.
- Job Roles and Opportunities:
  - Roles include Medical Laboratory Technologist, Clinical Laboratory Technician, Pathology Technician, and Research Assistant among several others.
  - Employment opportunities in hospitals, diagnostic laboratories, research institutions, public health facilities, and pharmaceutical companies.
- Skill Requirements:
  - Technical Skills: Knowledge of laboratory equipment, specimen collection, and testing procedures.
  - Analytical Skills: Ability to analyze and interpret laboratory results accurately.
  - Soft Skills: Communication, attention to detail, problem-solving, and ethical conduct.

2. Identified Gaps desired to be plugged

- Skill Gap:
  - Advanced Technical Skills: Need for proficiency in advanced diagnostic techniques, molecular biology, and genomics.
  - Quality Control and Assurance: Knowledge in maintaining high standards of laboratory quality and safety.
- Technological Integration:
  - Slow adoption of advanced laboratory technologies and automation.
  - Limited exposure to cutting-edge diagnostic tools and techniques during training.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN MERCHANT NAVY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN MERCHANT NAVY

The merchant navy is not a military force like the navy you might see protecting a country's waters. Instead, it is made up of privately-owned commercial ships that are used for transporting cargo and people. These ships are operated by professional seafarers who work in various roles onboard, such as deck officers, engineers, and ratings.

To join the merchant navy, individuals typically need to undergo specialized training at maritime academies or training institutions. This training equips them with the skills and knowledge necessary to work onboard ships safely and efficiently.

A job in the Merchant Navy comes with a unique perk - it is tax-free. That's correct - you won't be required to pay any taxes to the government. Additionally, living outside India for over 6 months while working in the Merchant Navy grants you Non-Resident Indian (NRI) status.

With abundant job opportunities, competitive salaries, and the chance to travel to far-flung destinations, it's no wonder that the merchant navy continues to attract individuals seeking adventure, fulfillment, and a dynamic environment in their professional lives.

Types of Marchant Navy Sectors in India: Cargo Shipping, Tanker Shipping, Passenger Shipping, Offshore Support Services, Coastal Shipping, Dredging, Fishing Industry, Shipbuilding and Ship Repair.

Types of Merchant Ships: Tanker ships, Passenger ships, Cruise ships, Container ships, Bulk carriers, Offshore vessels, RO-RO ships (Roll-On Roll-Off vessels), Ferries etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING MERCHANT NAVY IN INDIA

- ☑ Applicants must be Indian citizens, irrespective of gender, to be eligible for the Merchant Navy.
- ☑ Candidates must be unmarried and aged 17-25 years at time of joining- for both males & females.
- ☑ Candidates should have completed their class 12th with science subjects (Physics, Chemistry & Mathematics) and secured a minimum of 60% aggregate marks or equivalent CGPA.
- ☑ Candidates who haven't studied Physics, Chemistry, and Mathematics in 12th standard can still apply for non-officer roles if they meet the specified educational requirements.
- ☑ Candidates must be fluent in English to be eligible for the Merchant Navy.
- ☑ Physical fitness is crucial for joining the Merchant Navy. Candidates need to obtain a medical certificate from a licensed medical practitioner certifying their physical and mental fitness as per the standards set by the Directorate General of Shipping (DGS).
- ☑ Candidates aspiring to join the merchant navy must clear the medical exams conducted to ensure they are medically fit for the profession. This includes assessments of hearing and eyesight, with color blindness not tolerated in the merchant marine.
- ☑ For candidates joining Merchant Navy after completing B.Sc or B.Tech, the age limit may vary, generally falling between 25 to 28 years depending on the position.
- ☑ For postgraduate courses in the Merchant Navy, candidates need to have completed their undergraduate studies in a relevant field with at least 50% aggregate marks or equivalent CGPA.

Note: *For diploma courses in Merchant Navy, candidates should have passed 10+2 with Physics, Chemistry, Mathematics, and English as compulsory subjects and should have secured a minimum of 60% marks.*

POPULAR UNDERGRADUATE (UG) DEGREES IN MERCHANT NAVY IN INDIA

B.Sc./B.E./B.Tech/BBA etc. in relevant domains such as Nautical Science, Naval Architecture, Maritime Science, Marine Engineering, Shipbuilding, Logistics & Supply Chain Management etc.

POPULAR POSTGRADUATE (PG) DEGREES IN MERCHANT NAVY IN INDIA

PG Diploma/MBA/M.Tech/M.E./Masters etc. in relevant domains such as Marine Engineering, Shipping & Logistics Management, Naval Engineering, Port Management, Shipping Finance etc.

Copyright © EnrichMyCareer

POPULAR DIPLOMA AND/OR CERTIFICATION COURSES IN MERCHANT NAVY IN INDIA

Diploma and/or Certification in domains such as Nautical Science/Marine Engineering/Maritime Catering/Engine Rating etc.

COMMON ENTRANCE EXAMS FOR PURSUING MERCHANT NAVY COURSES IN INDIA

IMU CET, JEE, TMI SAT, WBJEE, CUSAT CAT, AIMNET, MERI Entrance Exam, AMET, TMI-BITS-EE, TS Chanakya Entrance Exam, MANET Entrance Exam etc.

Note: *For Cadets: After 18 months of training, candidates can apply for competency exams conducted by the Government of India and join as a third officer.*
For Engineers: Following 6 months of training, candidates can apply for a competency exam conducted by the Directorate General of Shipping and join as the fourth engineer.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Merchant Navy courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Clear Class XII in Science Stream (with Physics, Chemistry, Maths) → Pursue a 3-year Engineering Diploma in Mechanical/Electrical/ Electronics/Marine/Naval Architecture/Shipbuilding from a Polytechnic college Or B.Tech in Marine Engineering → Join any Cadet Training Course of 2 years → Join as Deck Cadet or Engine Cadet.

Study/Course Pathway 2:

Clear Class XII in Science Stream (with Physics, Chemistry, Maths) → Pursue B.Sc in Nautical Science/Marine Catering → Pursue M.Sc in Nautical Science/Marine Catering.

Study/Course Pathway 3:

Clear Class XII in Science Stream (with Physics, Chemistry, Maths) → Pursue B.Tech in Marine Engineering → Pursue M.Tech (Marine Engineering) or M.B.A (Shipping and Logistics).

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 4:

Clear Class X with Science & Maths → Complete a minimum 2-year ITI (Industrial Training Institute) training from an institute approved by the government → Join the Fitters/Petty Officers course and start working in commercial ships in engine rating positions.

Study/Course Pathway 5:

Clear Class X with Science & Maths → Join the 6 months General Purpose Rating (GP Rating) course conducted by the Directorate General (DG) of Shipping, (GoI) and start working in commercial ships in deck or engine rating positions.

Study/Course Pathway 6:

Clear Class X with Science & Maths → Join the Saloon Rating course and start working in commercial ships in saloon rating positions.

Study/Course Pathway 7:

Clear Class XII in Science Stream (with Physics, Chemistry, Maths) → Complete a 3-year Engineering Diploma from a Polytechnic college → Get Lateral Entry into B.Tech, B.E., or B.Sc. courses → Complete Electro Technical Officer Training or other similar courses → Join as Electro Technical Officer or Higher in the Engine Department.

Note: *Lateral Entry Route: If you hold a diploma in engineering or are in the process of completing the 1st year of engineering in mechanical or electrical disciplines, you can opt for direct admission into the 2nd year of the B.E. Marine Engineering program, which spans over 3 years.*

Note: *There are 2 ways to pursue a career in the merchant navy after completing class 12 – as a cadet or an engineer. For both positions, it is mandatory to have completed the Science stream (Physics, Chemistry, Maths) with a minimum of 60% overall in 12th and 50% in English. To become a cadet, you can pursue a B.Sc. To become an engineer, you will have to complete your B. Tech.*

Note: *To become an Engineer in the Merchant Navy, you'll need to pursue a bachelor's degree in Marine Engineering/Naval Architecture & Offshore Engineering/Petroleum Engineering/Mechanical Engineering/ Harbour & Ocean Engineering/Civil Engineering/Electrical & Electronics Engineering.*

Copyright © EnrichMyCareer

FEW RECOGNIZED INSTITUTES PROVIDING MERCHANT NAVY (OR RELATED) COURSES IN INDIA

- MERI (Marine Engineering & Research Institute), Kolkata
- Indian Maritime University, Multiple Campuses
- AMET (Academy of Maritime Education & Training) University, Chennai
- Great Eastern Institute of Maritime Studies, Lonavala/Mumbai
- Delhi Maritime Academy, Delhi
- Vellore Institute of Technology, Vellore

- HIMT College (Hindustan Institute of Maritime Training), Chennai
- International Maritime Institute, Noida
- Tolani Maritime Institute (TMI), Pune
- Applied Research International School of Maritime Studies, Delhi
- MANET (Maharashtra Academy of Naval Education & Training), Pune

- Delhi Academy of Merchant Navy, Delhi
- Samundra Institute of Maritime Studies, Lonavala/Mumbai
- Maritime Training Institute (of Shipping Corporation of India), Mumbai
- Institute for Ocean Management, Anna University, Tamil Nadu
- Coimbatore Marine College, Coimbatore

- Indian Institute of Technology (IIT), Multiple Campuses
- National Maritime Academy, Chennai.
- Dept. of Marine Science, Goa University, Goa
- Cochin University of Science and Technology (CUSAT), Cochin
- National Institute of Technology (NIT), Multiple Campuses
- Haldia Institute of Maritime Studies and Research, West Bengal

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

FEW INSTITUTES THAT MAY BE PROVIDING MERCHANT NAVY OR RELATED (TRAINING) COURSES IN ASSAM

- Sunilraj Academy of Merchant Navy, Guwahati
- Centre for Maritime Training Course (CMTC), Guwahati
- NEMSA, Guwahati

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE MERCHANT NAVY (OR RELATED) COURSES

- Massachusetts Maritime Academy, USA
- U.S. Merchant Marine Academy, USA
- The University of New Orleans, USA
- Fleetwood Nautical College, UK
- South Tyneside College, UK
- Australian Maritime College, Australia
- Griffith University, Australia

- British Columbia Institute of Technology's Pacific Marine Training Campus, Canada
- Aarhus School Of Marine and Technical Engineering, Denmark
- Hiroshima National College of Maritime Technology, Japan
- Maine Maritime Academy, USA

- Edith Cowan University, Australia
- The University of Strathclyde, UK
- California Maritime Academy, USA
- Canadian Coast Guard College, Westmount, Nova Scotia, Canada

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *Above List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree or course in Merchant Navy abroad, they most likely need to provide TOEFL/ IELTS (English proficiency) test scores, and SAT/ACT or relevant entrance exams scores for bachelor's courses, and GRE/GMAT or relevant entrance exams scores for master's courses. Also required may be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Captain, Deck Officer, Engineering Officer, Cadet/Junior Engineer, Chief Engineer, Electrical Officer, Chief Officer/Mate, 2nd Officer/Mate, 3rd Officer/Mate, Ordinary Seaman, Trainee Seaman, Chief Cook, Assistant Cook, Chief Steward, Rating, Trainee Cadet, Catering Officer, General Steward, Hotel Manager, Maintenance Manager, Marine Engineering Instructor, Operation Manager, Trainee Navigating Officer, Teacher, Lecturer, Technical Superintendent, Maritime Educator, Marine Engineer, Ship Manager, Ship Operator, Marine Surveyor, Port Manager, Electro-Technical Officer, Nautical Surveyor, Cargo Officer, Marine Superintendent, Port Captain, Shipbroker, Safety & Environmental Officer, Able Seaman , Second/ Third/ Fourth/ Fifth Engineer, Motorman, Messman, Ship's Doctor/Medical Officer, Radio Officer, Electronics Technician, Maritime Lawyer, Naval Architect, Port Master, Cruise Director, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Maritime Tourism & Hospitality Sector
- Marine Cargo Handling and Warehousing Companies
- Deck Department
- Architecture Department
- Catering Department
- Engine Department
- Accommodation Department
- Saloon Department
- Survey Department
- Ship Management Companies
- Cruise Lines & Passenger Shipping Companies
- Private Port & Terminal Operators
- Weather Forecasting Centers
- Educational Institutes
- Shipping & Logistics Companies
- Marine Consultancy Firms
- Offshore Oil and Gas Exploration Companies
- Maritime Technology Companies
- Marine R&D Organizations
- Shipbuilding & Repair Yards
- Electrical Department
- Medical Department
- Radio/Communication Department
- Maritime Law Department
- Naval Architecture Department
- Logistics and Operations Department
- Training Department etc.

Copyright © EnrichMyCareer

GOVERNMENT OR PUBLIC BODIES

- Shipping Corporation of India (SCI)
- Dredging Corporation of India (DCI)
- Directorate General of Shipping (DGS)
- Mazagon Dock Shipbuilders Ltd.
- Cochin Shipyard
- Goa Shipyard Ltd.
- Indian Coast Guard
- Hindustan Shipyard Limited
- Inland Waterways Authority of India
- Indian Maritime University
- Ministry of Shipping
- Mumbai Port Trust
- Kolkata Port Trust
- Chennai Port Trust
- National Maritime Foundation
- National Institute of Port Management
- Marine Products Export Development Authority
- Indian National Shipowners' Association
- National Institute of Ocean Technology
- R&D Bodies etc.

IN ASSAM

- Assam Inland Water Transport Development Society
- Merchant Navy/Maritime Training academies or institutes etc.

IF SELF EMPLOYED/ENTREPRENEUR

Own Maritime Consultancy Firm, Ship Management Company, Maritime Training Institute, Maritime Technology Startup, Shipping Agency, Maritime Logistics & Supply Chain Management Company, Shipbuilding and Repair Yard, Maritime Publications and Media, Maritime Research and Development Firm, Marine Surveying and Inspection, Maritime Security Services etc.

Copyright © EnrichMyCareer

KEY SKILLS REQUIRED

Critical Thinking, Leadership Skills, Communication & Interpersonal Skills, Teamwork, Planning & Decision Making, Patience, Passion for Sailing, Resilience, Self-Control, Stress Management, Adaptability, Discipline and Self-Motivation, Physical Fitness, Mental Ability, People Management, Attention to Details, Conflict Resolution, Negotiation skills etc.

REMUNERATION/SALARY (INDICATIVE)

In India, the salary range in Merchant Navy can vary based on several factors such as rank, experience, type of vessel, and shipping company among others.

- Entry-Level Positions (Cadets and Trainees): often start with a monthly stipend ranging from Rs. 15,000 to 30,000 INR, depending on the shipping company and training program.
- Junior Officers (Deck/Engine Cadets, Junior Engineers): with 1-2 years of experience can earn salaries ranging from Rs. 40,000 to 70,000 INR per month.
- Mid-Level Officers (Third Officers, Third Engineers): with 2-5 years of experience may earn salaries between Rs. 70,000 to 1,50,000 INR per month.
- Senior Officers (Chief Officers, Second Engineers): with 5-10 years of experience can earn salaries ranging from Rs. 1,50,000 to 3,00,000 INR per month.
- Captain/Master and Chief Engineers: with significant experience and holding higher ranks, may earn salaries upwards of Rs. 3,00,000 INR per month. The salary can go up to several lakhs per month, depending on factors such as vessel size, route, and company policies.

Note: *It's important to note that these salary ranges are approximate and can vary based on individual qualifications, vessel type, shipping routes, and prevailing market conditions. Additionally, seafarers may also receive various allowances, bonuses, and benefits in addition to their basic salary.*

TOP RECRUITERS

- Great Eastern Shipping
- Shipping Corporation of India (SCI)
- Blue Line International of Croatia
- Reliance Shipping
- Seaways Shipping and Logistics
- Perwira Bersatu Services of Malaysia
- Condor Ferries
- Chevron and Mobil USA
- Hal Offshore

- Wallem Ship Management Hong Kong
- Denholm UK
- Varun Shipping
- Cunard Line of UK
- American Cruise Lines of USA
- Viking Line of Finland
- Adani Shipping
- Mercator Limited
- Saga Cruises
- Bernhard Schulte Ship Management of Germany

- Jindal Shipping Company India
- Shreyas Shipping Company
- Scindia Steam Navigation Company Ltd.
- Princess Cruises
- Essar Shipping Limited
- Greatship India Limited
- Alghadheer Shipping LLC. Of Dubai
- Kawasaki Kisen Kaisha, Ltd.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A gap analysis of a prospective career in Merchant Navy in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Merchant Navy Career in India

- Educational Institutions: Several maritime academies and institutes offer courses and training programs, such as B.Sc. Nautical Science, Marine Engineering, and various diplomas.
- Diverse Roles: Careers include positions such as deck officers, marine engineers, electro-technical officers, and ratings.
- Regulatory Framework: The Directorate General of Shipping (DGS) under the Ministry of Ports, Shipping and Waterways regulates maritime education and certification.
- Employment Opportunities: Available with shipping companies, port operations, maritime logistics, and offshore services.
- Skill Requirements: Proficiency in navigation, engineering, safety management, and familiarity with international maritime laws and standards.

2. Desired State of Merchant Navy Career in India

- Advanced Skill Sets: Professionals should have skills in advanced marine engineering, automation, electronic navigation systems, and environmental sustainability.
- Global Competency: Knowledge and skills that align with global maritime standards to compete internationally.
- Continuous Professional Development: Emphasis on ongoing learning and skill enhancement to keep up with technological and regulatory changes.
- Technological Proficiency: Proficiency in using advanced marine technologies, simulation training, and understanding the impact of digitalization.
- Safety and Environmental Standards: High emphasis on safety protocols, environmental regulations, and sustainability practices.

Copyright © EnrichMyCareer

CAREER IN PHYSICS

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN PHYSICS

Physics is an exhilarating field that unravels the mysteries of the universe, from the tiniest subatomic particles to the vast cosmic structures. Whether it's studying black holes, examining the behavior of matter at extreme temperatures, or designing particle accelerators, physics offers a thrilling journey of discovery.

A career in physics in India offers a diverse range of opportunities for those passionate about exploring and understanding the fundamental principles governing the universe. With a rich history in scientific research and education, India boasts numerous institutions famous for their contributions to physics.

One path for physicists in India is academic research. Many institutes offer vibrant teaching and research environments in various fields such as particle physics, condensed matter physics, astrophysics, and more. Pursuing a career in academia allows physicists to delve deep into theoretical or experimental research, publish papers, and mentor the next generation of scientists.

Another avenue is industrial research and development. Many companies in India, particularly in the technology and engineering sectors, value the analytical and problem-solving skills of physicists. From semiconductor companies to aerospace firms, physicists contribute to product innovation, data analysis, and cutting-edge technology development.

The government sector also offers opportunities in various research institutions, where physicists contribute to national projects, space exploration missions, and defense technology development. Thus, in today's rapidly evolving world, physics remains at the forefront of innovation. Whether you are fascinated by the cosmos, curious about the behavior of matter, or eager to contribute to technology advancements and societal development, a career in physics offers endless possibilities.

Major Categories of Physics Careers: Theoretical Physics, Experimental Physics, Applied Physics, Interdisciplinary Fields (e.g. Biophysics, Geophysics, Financial Physics etc.)

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING PHYSICS IN INDIA

- ☑ Pass 10+2 exam from a recognized board, with Physics, Chemistry, Maths/Biology as main subjects.
- ☑ Obtain a minimum aggregate of 50%-60% marks, as specified by the respective university/college.
- ☑ For Postgraduation and Doctorate degrees, hold a Bachelor's degree in Physics, Applied Physics, or a related discipline from a recognized university or institution.
- ☑ Many institutions consider Joint Entrance Examination (JEE) scores, while some conduct their own entrance exams, and others consider merit for admission to undergraduate (UG) physics programs.

POPULAR UNDERGRADUATE (UG) DEGREES IN PHYSICS IN INDIA

BSc/BSc (Hons) in Physics/Astronomy/Astronomy and Space Science/Astrophysics/Applied Physics/Mathematics and Allied Physics/Physics with Allied Chemistry/Physical Science etc.

POPULAR POSTGRADUATE (PG) DEGREES IN PHYSICS IN INDIA

MSc. in Physics/Applied Physics/Engineering Physics/Biophysics/Geophysics/Medical Physics/Applied Physics and Ballistics etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DIPLOMA COURSES IN PHYSICS IN INDIA

Post Graduate Diploma in Physics, Post Graduate Diploma in Space Science and its Applications etc.

POPULAR DIPLOMA COURSES IN PHYSICS IN INDIA

Diploma in Physics, Diploma in Meteorology and Atmospheric Physics etc.

Note: *Those who are interested in pursuing M.Phil Degrees in Physics in India can do M.Phil in Physics/Applied Physics etc.*

Note: *Those who are interested in pursuing PhD Degrees in Physics in India can do PhD in Physics/Biophysics/ Applied Physics/Nuclear Physics etc.*

COMMON ENTRANCE EXAMS FOR PURSUING PHYSICS COURSES IN INDIA

CUET, CPGET, IIT JAM, GATE, CUET PG, JEE Main, JEE Advanced, GPAT, JAM, DUET, NEST, IPU CET, BITSAT, IUCAA-NCRA Admission Test, GSAT etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Physics courses at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream → Pursue B.Sc./B.Sc (Hons.) in Physics/Applied Physics/similar for 3-4 years → Pursue M.Sc. Physics/Applied Physics/similar for 2 years → Crack CSIR-UGC-NET exam to pursue PhD. in Physics.

Study/Course Pathway 2:

Study Class XII in Science Stream → Pursue BTech in Engineering Physics for 4 years → Pursue MTech in Engineering Physics for 2 years.

Study/Course Pathway 3:

Study Class XII in Science Stream → Pursue an integrated course of BSc + MSc (of 5 years) in Physics.

Note: *After the completion of UG degree, the candidate can either apply for relevant entry-level jobs based on their skills & interest, or they can opt for a PG degree/diploma course in Physics for advanced studies.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING PHYSICS COURSES IN INDIA

- Indian Institute of Science (IISc.), Bangalore
- Indian Institute of Technology (IITs), Multiple Locations
- Indian Institute of Science Education and Research (IISER), Multiple Locations
- Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram
- Banaras Hindu University, Varanasi
- St. Stephen's College, Delhi
- Hansraj College, Delhi
- St. Xavier's College, Kolkata and Mumbai
- Fergusson College, Pune
- Tata Institute of Fundamental Research (TIFR), Mumbai
- National Institute of Technology (NIT), Rourkela
- College of Science and Technology, Visakhapatnam
- VIT Vellore
- SRM Institute of Science and Technology, Chennai
- Kalinga Institute of Industrial Technology (KIIT), Bhubaneshwar
- Amity University, Noida
- Miranda House, Delhi
- Manipal Academy of Higher Education (MAHE), Manipal
- Hindu College, Delhi
- Presidency College, Kolkata

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Physics, which may require qualifying scores from students to get admission in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING PHYSICS COURSES IN ASSAM

- Assam Don Bosco University, Guwahati
- Cotton University, Guwahati
- Assam University, Silchar
- Dibrugarh University, Dibrugarh
- Royal Global University, Guwahati
- Gauhati University, Guwahati
- Sibsagar University/College, Sivasagar
- Bodoland University, Kokrajhar
- Tezpur University, Tezpur
- ·IIT-Guwahati
- The Assam Kaziranga University, Jorhat
- NIT-Silchar
- Goalpara College, Goalpara
- Karimganj College, Karimganj
- Nowgong College, Nagaon
- Assam Science and Technology University, Guwahati
- B. Borooah College, Guwahati
- Dakshin Kamrup College, Mirza
- Arya Vidyapeeth College, Guwahati
- Assam Down Town University, Guwahati
- Jorhat Institute of Science & Technology, Jorhat
- North Lakhimpur College/University, Lakhimpur
- Nalbari College, Nalbari
- Rangia College, Rangia
- Tinsukia College, Tinsukia

Note: *Above List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Physics, which may require qualifying scores from students to get admission in the college/university.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE PHYSICS COURSES

- Massachusetts Institute of Technology - USA
- University of Toronto - Canada
- Imperial College London - UK
- Stanford University - USA
- University of Cambridge - UK
- University of California, Berkeley - USA
- Heidelberg University - Germany
- Harvard University - USA
- Durham University - UK

- University of Oxford - UK
- California Institute of Technology - USA
- University of Waterloo - Canada
- Peking University - China
- University of Tokyo - Japan
- ETH Zurich - Switzerland
- University of Auckland - New Zealand
- Monash University - Australia
- University of Birmingham - UK

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Physics abroad, they will most likely have to provide TOEFL/IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's programs, and GRE scores for master's programs. Also required would be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Research Scientist, Research Associate, Engineer, Data Analyst/Scientist, Financial Analyst, Consulting Physicist, Biophysicist, Junior Scientist, Lab Technician, Radiologist, Professor, Researcher, Junior Research Fellow, Quality Control Manager, Design Engineer, Astrophysicist, Accelerator Operator, Nuclear Engineer, Applications Engineer, IT Consultant, Radiation Oncologist, Laser Engineer, Optical Engineer, Technical Specialist, Systems Analyst, Meteorologist, Lab Manager, Test Engineer, Geophysicist, Statistical Investigator, Astronomer, Observation Scientist, Technical Writer etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Private Research Institutes and Labs
- Private Universities and Colleges
- Manufacturing and Industrial Sector
- Pharmaceutical Companies
- Automotive Companies
- Information Technology (IT) Companies
- Renewable Energy Companies
- Oil and Gas Companies
- Aerospace and Defense Companies
- Management Consulting Firms
- Data Analytics and Market Research Firms
- Risk Assessment and Modeling Firms
- Educational Technology Firms
- Training and Skill Development Institutes
- Investment Banks and Financial Institutions
- Telecommunication Companies
- Broadcast & Media Companies
- Independent Think Tanks
- Policy Research Organizations
- Private Schools etc.

GOVERNMENT OR PUBLIC BODIES

- Indian Space Research Organization (ISRO)
- Vikram Sarabhai Space Centre
- Defence Research & Development Organization (DRDO)
- Indira Gandhi Centre for Atomic Research
- National Physical Laboratory
- Council of Scientific and Industrial Research (CSIR)
- Indian Institute of Science
- India Plasma Science Society of India
- Geological Survey of India
- Indian Institute of Geomagnetism
- Nuclear Power Corporation of India Ltd.
- Atomic Energy Regulatory Board
- Physical Research Laboratory
- Saha Institute of Nuclear Physics
- Nuclear Science Centre
- Bhabha Atomic Research Centre
- Aryabhatta Research Institute of Observational Sciences
- Indian Institute of Astrophysics
- Indian Institute of Space Science and Technology
- Oil & Natural Gas Corporation
- Union Public Service Commission
- Public Sector Banks
- Indian Railways
- Central Pollution Control Board
- Bureau of Indian Standards
- Government Schools & Colleges etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Regional Research Laboratory-Jorhat
- Tezpur University
- Gauhati University
- Dibrugarh University
- Cotton University
- Assam Remote Sensing Application Centre
- Directorate of Science and Technology
- Assam State Disaster Management Authority
- Regional Meteorological Centre – Guwahati
- Indian Oil Corporation-Digboi
- Institute of Advanced Study in Science & Technology
- North Eastern Space Applications Centre
- IIT-Guwahati
- Bongaigaon Refinery & Petrochemicals
- North Eastern Renewable Energy and Engineering Solutions
- Assam Energy Development Agency
- Central Institute of Plastics Engineering and Technology
- Assam Forest Department
- State Bank of India
- Punjab National Bank
- Private Coaching Institutes etc.

IF SELF EMPLOYED/ENTREPRENEUR

Educational Venture, R&D Company, Tech Start-up, Consultancy Services, Electronics/Hardware Firm, Renewable Energy Solutions, Scientific Publishing, Content Creation, Analytics & Modeling Services, Physics-based App/Software Development, Physics-based Gaming/Simulation Services, Geophysical Services etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

KEY SKILLS REQUIRED

Research & Analysis, Problem Solving, Critical Thinking, Computer Skills, Communication Skills, Analytical Thinking, Mathematical, Logical Reasoning, Attention to Detail, Organization Skills, Teamwork, Writing etc.

REMUNERATION/SALARY (INDICATIVE)

- Fresh Graduates (0-2 years of experience): Government Organizations: Rs. 25,000 - 40,000 per month. Private Companies: Rs. 20,000 - 35,000 per month.
- Early career (2-5 years of experience): Government Organizations: Rs. 40,000 - 65,000 per month. Private Companies: Rs. 35,000 - 70,000 per month.
- Mid-career (5-10 years of experience): Government Organizations: Rs. 60,000 - 1,00,000 per month. Private Companies: Rs. 60,000 - 1,20,000 per month.
- Experienced (10-15 years of experience): Government Organizations: Rs. 80,000 - 1,50,000 per month. Private Companies: Rs. 1,00,000 - 2,00,000 per month.
- Senior-level (15-20+ years of experience): Government Organizations: Rs. 1,20,000 - 2,00,000 per month (including positions like scientists, directors, and professors). Private Companies: Rs. 1,50,000 - 4,00,000 per month (including roles like lead scientists, project managers, and heads of departments).

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, and experience, and the job profile, organization, location, and market conditions.*

Note: *Individuals with advanced degrees (e.g., M.Sc., Ph.D.) or specialized skills in high-demand areas like quantum computing, nanotechnology, or machine learning may command higher salaries.*

TOP RECRUITERS

- ISRO
- Vikram Sarabhai Space Centre
- DRDO
- Reliance Industries Ltd.
- HCL Technologies
- Accenture
- IBM
- KPMG
- Verizon
- Amazon
- TCS
- L&T InfoTech

- Air Force Research Lab
- Boeing
- NASA
- Microsoft
- Bhabha Atomic Research Centre
- JP Morgan Chase
- National Institute of Oceanography
- Tata Institute of Fundamental Research
- Genpact
- Titan

- Capgemini
- Tech Mahindra
- Analog Devices
- GE Digital
- Sony India
- Asian Paints
- NDTV
- Centre of Liquid Crystal Research
- Maruti Udyog
- Barclays

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

While there are significant challenges in achieving success in a career in Physics, proactive strategies and a supportive professional network can help mitigate these issues. Continuous learning, interdisciplinary collaboration, and a balanced approach to work and life can enhance career prospects and lead to a fulfilling and successful career in Physics. At the individual level efforts to acquire the below mentioned skills would help:

- Technical Skills: Strong foundation in mathematical methods, laboratory skills, and computational techniques.
- Research Skills: Experimental design, data analysis, and scientific writing.
- Soft Skills: Critical thinking, problem-solving, communication, and teamwork.

Copyright © EnrichMyCareer

CAREER IN PSYCHOLOGY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN PSYCHOLOGY

Psychology, the scientific study of behavior and mental processes, offers a diverse and rewarding career path for those fascinated by the complexities of the human mind. A career in psychology opens doors to a multitude of opportunities, ranging from clinical practice to research, education, and beyond. At its core, psychology seeks to understand human behavior and mental processes through systematic observation, experimentation, and analysis.

Psychology is about figuring out why people act & feel the way they do. It uses principles from genetics to explore the hereditary factors influencing behavior, utilizes sociological perspectives to understand cultural influences, and employs neuroscientific techniques to investigate brain-behavior relationships.

While a career in psychology offers numerous opportunities for personal and professional growth, it also presents challenges. Psychologists may encounter emotionally demanding situations, ethical dilemmas, and the need for ongoing professional development. However, the ability to positively impact people's lives, contribute to societal well-being, and pursue diverse interests makes the journey worthwhile.

Specializations in Psychology: Clinical Psychology, Counseling Psychology, Developmental Psychology, Educational Psychology, Forensic Psychology, Social Psychology, Health Psychology, Sports Psychology.

Note: The above list is not exhaustive. There are a few other specialization areas in Psychology such as Cognitive, Industrial/Organizational, Environmental, etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING PSYCHOLOGY AT UNDERGRADUATE (UG) LEVEL IN INDIA

- ☑ Candidates should have appeared for or passed the Class 12 Board exam or its equivalent from a recognized education board in India.
- ☑ Candidates need to secure a minimum aggregate percentage in the Class 12 Board exam, often ranging from 50 to 60 percent, depending on the institution.
- ☑ Candidates from all streams, such as Arts, Science, or Commerce, are generally eligible for admission to Psychology courses at undergraduate level (except for B.Sc – Psychology courses in some institutions, where the candidate must have studied Science with Biology in Classes 11 and 12).
- ☑ Some institutions admit relevant candidates purely on merit, while others require candidates to appear for and clear entrance exams specific to psychology or general UG admission tests.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING PSYCHOLOGY AT POSTGRADUATE (PG) LEVEL IN INDIA

- ☑ Candidates should have completed a Bachelor's degree with Psychology as the main subject (or major) from a recognized university or institution.
- ☑ Students in the final year of their Bachelor's degree program in Psychology are also eligible to apply for Master's or Post-Graduation programs.
- ☑ Many institutions require candidates to clear specific entrance exams for admission to Master's or Post-Graduation programs in Psychology.
- ☑ Candidates may be required to choose a specialization within psychology based on their interests or career goals, such as clinical psychology, counseling psychology, industrial psychology, etc.

Note: *After completing Masters/PG program, the candidate can pursue doctorate/PhD courses.*

POPULAR UNDERGRADUATE (UG) DEGREES/COURSES RELATED TO PSYCHOLOGY IN INDIA

BA/BA(Hons.)/BSc/BSc (Hons.); Graduate Diploma etc. in domains such as Psychology, Applied Psychology, Organizational Psychology, Child Psychology, Counselling Psychology, Clinical Psychology, Forensic Psychology, Sports Psychology, Psychometrics etc.

POPULAR POSTGRADUATE (PG) DEGREES/COURSES RELATED TO PSYCHOLOGY IN INDIA

MA/MSc/M.Phil; PG Diploma etc. in domains such as Psychology, Counselling Psychology, Applied Psychology, Educational Psychology, Behavioral Sciences, Clinical Psychology, Organizational Psychology, Child and Adolescent Psychology, Mental Health, Health Psychology, Sports Psychology etc.

POPULAR PH.D./DOCTORAL DEGREES OR COURSES RELATED TO PSYCHOLOGY IN INDIA

Ph.D. in Psychology/Applied Psychology; Psy.D (Doctor of Psychology) etc.

POPULAR DIPLOMA/CERTIFICATE COURSES IN PSYCHOLOGY IN INDIA

Psychology/ Applied Psychology/ Child Psychology/ Counselling Psychology/ Cultural Psychology/ Forensic Psychology/ Psychology of Criminal Justice/ Developmental Psychology etc.

COMMON ENTRANCE EXAMS FOR PURSUING PSYCHOLOGY COURSES IN INDIA

JUET, DUET, CUET, YCMOU, PUBDET, AAT, BHU UET, SET, NIMSEE, TISSNET, JMI, MET, GSAT, NEST, KCET, Christ University Entrance Test, MRNAT, etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be other entrance tests conducted by different colleges/universities or authorities in India that offer Psychology courses.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in any Stream → Pursue UG in Psychology for 3-4 years.

Study/Course Pathway 2:

Study Class XII in any Stream → Pursue UG in Psychology for 3-4 years. → Pursue PG in Psychology.

Study/Course Pathway 3:

Clear Class XII in any Stream with Psychology as a Subject → Pursue B.A.(H) in Psychology/Applied Psychology for 3 years → Pursue Masters in Psychology for 1-2 years (in India or abroad).

Study/Course Pathway 4:

Class XII in any Stream → Pursue UG in Psychology for 3-4 years → Pursue PG in Psychology → Pursue M.Phil. in Psychology.

Study/Course Pathway 5:

Class XII in any Stream → Pursue UG in Psychology for 3-4 years → Pursue PG in Psychology → Pursue M.Phil. in Psychology.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 6:

Class XII in any Stream → Pursue B. A.(H) Psychology/Applied Psychology for 3 years → Pursue Masters in Psychology/Applied Psychology for 1-2 years in India or Abroad → Pursue M.Phil. in Psychology/ Clinical Psychology for 2 years or/and PhD in Psychology/Applied Psychology for 3-5 years.

Note: *: In many institutions, for pursuing B.Sc (Psychology/Applied Psychology etc.) courses, the candidate must have studied Science stream with Biology in Classes 11th and 12th.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING PSYCHOLOGY COURSES IN INDIA

- St Xavier's College, Mumbai
- Christ University, Bangalore
- Mithibai College of Arts, Mumbai
- Lady Shri Ram College for Women, Delhi
- Banaras Hindu University, Varanasi
- Amity University, Noida
- Indraprastha College for Women, Delhi
- Kamala Nehru College, Delhi
- Tata Institute of Social Sciences, Mumbai
- Aligarh Muslim University, Aligarh, UP
- Jagran Lakecity University, Bhopal
- Presidency College, Chennai
- Centre for Health Psychology, University of Hyderabad, Telangana
- University of Mumbai, Mumbai
- Ashoka University, Sonipat
- Kristu Jayanti College, Bangalore
- University of Delhi, Delhi
- Fergusson College, Pune
- SRM Institute of Science and Technology, Chennai
- Kishinchand Chellaram College of Arts, Commerce, and Science, Mumbai
- St. Xaviers College, Kolkata
- Symbiosis College of Arts & Commerce, Pune
- Chandigarh University, Chandigarh
- Jamia Millia Islamia University, Delhi
- Lovely Professional University, Phagwara
- K. J. Somaiya College of Arts and Commerce, Mumbai
- Bethune College, Kolkata
- Dr. B.R. Ambedkar University, Delhi
- Jain University, Bangalore
- Manipal University, Manipal Karnataka
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams for degree courses in Psychology, which require a good or qualifying score for the student to get admitted in the college/university*

Copyright © EnrichMyCareer

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING PSYCHOLOGY COURSES IN ASSAM

- Assam Down Town University, Guwahati
- Cotton University, Guwahati
- Gauhati University, Guwahati
- Royal Global University, Guwahati
- Dibrugarh University, Dibrugarh
- Assam Don Bosco University, Guwahati
- NERIM, Guwahati
- Lokpriya Gopinath Bordoloi Regional Institute of Mental Health, Tezpur
- Dakha Devi Rasiwasia College, Dibrugarh
- Murazar College, Hojai
- Sissiborgaon College, Sissiborgaon
- Assam Women's University, Jorhat
- Darrang College, Tezpur
- Guwahati College, Guwahati
- Handique Girls College, Guwahati
- Tezpur University, Tezpur
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions conduct entrance exams for degree courses in Psychology, which require a good score for the student to get admitted in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE PSYCHOLOGY COURSES

- Harvard University, USA
- Trinity College Dublin, Ireland
- Stanford University, USA
- University of Melbourne, Australia
- University of Auckland, New Zealand
- University of Zurich, Switzerland
- University Of California - Berkeley, USA
- University of Warwick, UK
- University Of Oxford, UK
- Massachusetts Institute of Technology, USA
- The University of British Columbia, Canada
- McGill University, Canada
- University Of Columbia, USA
- Macquarie University, Australia
- The University of Queensland, Australia
- University Of Waterloo, Canada
- University Of Toronto, Canada
- University Of Cambridge, UK
- Yale University, USA
- Monash University, Australia
- University of Essex, UK
- University of Amsterdam, Netherlands
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *If one aims to study a degree in Psychology abroad, they will have to provide English proficiency test scores of TOEFL/IELTS or other relevant foreign language test scores, and SAT/ACT scores for bachelor's degree programs or GRE/GMAT scores for master's degree programs. Along with this, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Clinical Psychologist, Psychotherapists, Therapist, Practitioner, Counsellor, Psychiatrist, Counseling Psychologist, Career Counsellor, Educational Psychologist, Adolescent Psychologist, Research Analyst, Psychology Instructor, Educator/Lecturer/Professor, Child Care Worker, Family Counsellor, Social Worker, Human Resource Manager/Assistant, Personal Trainer, Life Coach, Content Writer, Research Assistant, Marketing Executive, Depression Counsellor, Brain Science and Cognitive Psychologist, Occupational Psychologist, Organizational Psychologist, Family Services Worker, Rehabilitation Counsellor, Business Intelligence Manager, Industrial Mental Health Counsellor, Social Psychologist, School Psychologist, Family & Marriage Therapists, Consultant, Forensic Psychologist etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Medical Clinics
- Hospitals
- Rehabilitation Facilities
- Old Age Homes
- Schools
- Colleges & Universities
- Marketing Firms
- Advertising & Branding Agencies
- Care Facilities
- NGOs
- Treatment Facilities
- Sports Management Agencies
- Child Welfare Bodies
- HR Department of Private and Multi-National Companies
- Therapy Centers
- Sports Clubs
- Sports Organizations
- Career Counselling Organizations
- Day Care & Health Care Centers
- Mental Healthcare Centers
- Research Institutions
- Family Service Organizations
- Geriatric Care Facilities
- Law Firms
- Consulting Firms
- Insurance Companies
- Tech Companies
- Health and Wellness Centers
- Disability Services Agencies
- Startups etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Healthcare Institutions
- Social Services Departments
- Clinical Psychology Society of India (CPSI)
- Military and Veterans Affairs
- Public Health Departments
- Indian Medical Association (IMA)
- Law Enforcement Agencies
- Colleges & Universities
- Government Research Institutes
- Regulatory Bodies, Disaster Response Agencies
- Ministry of Health & Family Welfare
- Central Bureau of Health Intelligence
- Ministry of Social Justice and Empowerment
- Ministry of Women and Child Development
- Ministry of Education
- Central Forensic Science Laboratory
- UPSC
- Directorate of Health Services
- Crime Investigation Department
- Central Bureau of Investigation (CBI)
- Rehabilitation Council of India (RCI)
- Indian Police Service
- National Institute of Mental Health & Neurosciences, etc.

IN ASSAM

- Ginger Healthcare, Guwahati
- Neurological Research Centre (GNRC)
- Sunshine Hospital & Rehabilitation Centre
- Nirmaan Rehabilitation Facility
- Guwahati Psychiatric Hospital
- MIND India
- Educare India Advisory
- Siksha Valley School
- Apollo Hospitals
- Dispur Hospital
- Blossoms Day Care
- Ayursundra Superspeciality Hospital
- Sishu Sarothi
- Assam Cricket Association
- Indian Cancer Society
- Guwahati Medical College and Hospital
- HelpAge India
- Gauhati University

- Assam State Commission for Women
- Assam State Prisons Department
- National Health Mission-Assam
- Assam Rifles
- Assam Police Department
- North East Institute of Science and Technology
- National Institute of Public Cooperation and Child Development
- National Institute of Educational Planning and Administration
- Indian Council of Social Science Research
- Institute of Human Behavior and Allied Sciences
- Assam State Commission for Protection of Child Rights
- Assam State Child Protection Society
- Tezpur University etc.

Copyright © EnrichMyCareer

IF SELF EMPLOYED/ENTREPRENEUR

Private Practice, Psychological Assessment Services, Training Programs Firm, Consulting Services, Online Counseling or Coaching Platform, E-Learning Platforms, Specialized Therapy Centers, Mental Health Apps/Platforms, Health & Wellness Retreats, Trauma Recovery Center, Stress Management & Wellness Programs for Corporates, Parenting Workshops & Support Groups etc.

KEY SKILLS REQUIRED

Communication & Interpersonal Skills, Analytical Skills, Critical Thinking, Empathy, Research Skills, Patience, Listening and Observing Skills, Problem Solving, Emotional Intelligence, Attention to Detail, Leadership, Anger Management, Ethics, Reasoning, Judgment & Decision Making, Collaboration etc.

REMUNERATION/SALARY (INDICATIVE)

- Entry-Level Positions (0-2 years' experience): may offer salary from Rs. 2.5 lakhs to 5 lakhs p.a.
- Mid-Level Positions (2-5 years' experience): may offer salary from Rs. 5 lakhs to 15 lakhs p.a.
- Experienced Professionals (5-10 years' experience): may offer salary from Rs. 15 to 30+ lakhs p.a.
- Senior-Level Positions (10+ years of experience): may offer salary from Rs. 30 to 60+ lakhs p.a.

Note: *Above salary figures are indicative data, and can vary based on one's knowledge/qualifications, skills, specialization area, experience, location, job profile, organization, and market conditions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Fortis Healthcare
- Roots and Routes Counselling & Psychotherapy Centre
- HULM Training & Development
- YourDost
- T & A Solutions
- Goodfellows India
- Atmantan Wellness Centre
- Neuro Revolution International Autism and ADHD Treatment Centre
- Public Health Foundation of India
- Apollo Hospitals
- Defense Institute of Psychological Research

- NIMHANS
- Pearson
- Modern Health
- Athena Consulting and Psychotherapy
- My Online Therapy
- Sarvam Global Healthcare
- CIPHER Healthcare
- Hindustan Unilever
- AIIMS Delhi/Rishikesh/Jodhpur etc.
- Institute of Psychiatry (Kolkata)
- MPowerMinds
- Accenture
- Heart It Out
- Mind Gym
- Teach For India
- Others

GAP ANALYSIS

A gap analysis of a prospective career in Psychology in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Psychology Career in India

- Educational Institutions: Numerous universities and colleges offer undergraduate, postgraduate, and doctoral programs in psychology, including specializations such as clinical, counselling, industrial-organizational, and educational psychology.
- Diverse Roles: Psychologists work in hospitals, schools, corporate settings, research institutions, non-governmental organizations (NGOs), and private practice.
- Regulatory Framework: The Rehabilitation Council of India (RCI) regulates clinical psychology, while other branches lack a centralized regulatory body.
- Employment Opportunities: Available in mental health clinics, educational institutions, corporate sectors, community centers, and as independent practitioners.
- Skill Requirements: Strong understanding of psychological theories, assessment techniques, therapeutic interventions, research methods, and ethical practice.

Copyright © EnrichMyCareer

2. Desired State of Psychology Career in India

- Advanced Skill Sets: Professionals should possess skills in evidence-based therapeutic techniques, advanced psychological assessments, and specialized areas such as neuropsychology and forensic psychology.
- Global Competency: Knowledge and skills that align with international standards to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in the field.
- Technological Proficiency: Proficiency in using digital tools for telepsychology, online counseling, and psychological research.
- Holistic Mental Health Approach: Integration of preventive mental health strategies, community mental health, and holistic wellness programs.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN SPORTS & SPORTS MANAGEMENT

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN SPORTS & SPORTS MANAGEMENT

Career in Sports: Sports in India transcends mere games; they represent a way of life, a passion that unites millions across the nation. A melting pot of cultures, traditions, and landscapes, India offers a diverse playground for sports enthusiasts. However, beyond the thrill of competition, the world of sports also presents a plethora of career opportunities for those with a passion for games. You may begin your career in sports at the high school and college levels, and then go on to the state, regional, and national levels.

In India, a career in sports encompasses a wide array of fields, including cricket, badminton, volleyball, football, basketball, boxing, gymnastics, hockey, swimming, table tennis, wrestling, cycling, and more. Engaging in sports not only fosters physical fitness but also promotes mental well-being. Numerous athletes have proudly represented India in various Olympic and other events, spanning disciplines such as wrestling, badminton, shooting, and boxing among others, bringing glory to the nation.

With tournaments such as the IPL in cricket, the ISL in football, and the Pro Kabaddi League, the passion for sports continues to soar. The government is actively fostering sports through initiatives like 'Khelo India' aimed at nurturing young talent.

Career in Sports Management: In the world of sports, there's a whole team of people behind the scenes making everything run smoothly. That's where sports management comes in. It's like being the captain of a ship, making sure everything is in order so the players can focus on playing their best game. Sports management covers lots of different things. First off, there's event management. This means planning and organizing sports events, from picking the venue to selling tickets and making sure fans have a great time. Then there's marketing and promotions. Just like companies advertise their products, sports teams and events need to get the word out. Sports managers come up with strategies to make sure everyone knows about the games and matches happening.

Another important part is looking after the athletes. Sports managers help athletes with things like contracts, scheduling, and making sure they have everything they need to perform their best. They also take care of the places where sports happen, like stadiums and training facilities. Making sure these places are clean, safe, and running smoothly is all part of sports management. Lastly, there's dealing with rules and regulations. Every sport has its own set of rules, and sports managers make sure everyone follows them. They also handle legal matters like contracts and player rights.

The future of sports management looks bright. With more people getting interested in sports and new technology making things easier, there's lots of room for growth. So, if you love sports and want to be part of making them happen, sports management might be the perfect fit for you.

Few Career Options in Sports & Sports Management: Sportsperson/Athlete, Sports Management, Sports Medicine, Physical Education Instructor, Sports Journalism, Sports Nutritionist, Sports Psychology, Sports Marketing, Sports Commentator, Sports Photographer etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING SPORTS IN INDIA

Candidates can pursue a career in sports without formal education, but it's advisable to obtain a degree or certification in sports-related fields like sports management, sports science, physical education, or sports medicine, as strong foundational knowledge & skills can aid success in their chosen career paths.

Copyright © EnrichMyCareer

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING SPORTS MANAGEMENT IN INDIA

- ☑ Candidates must hold a 10+2 degree in any discipline with a minimum aggregate of 50-60 percent for undergraduate degree and/or courses.
- ☑ Candidates should hold a bachelor's degree in a related field, completed over a period of three years, with a minimum aggregate score of 50% from an accredited university for postgraduate degree and/or courses.
- ☑ Some institutions also demand physical education as a mandatory subject during Class 12.
- ☑ Depending on the college chosen, candidates may need to clear the common entrance test, while some colleges may conduct their own entrance exams and personal interviews for admission.

POPULAR UG DEGREES AND/OR COURSES RELATED TO SPORTS & SPORTS MANAGEMENT IN INDIA

BA/BSc/BBA/BPED/BSM in sports-related domains.

POPULAR PG DEGREES AND/OR COURSES RELATED TO SPORTS & SPORTS MANAGEMENT IN INDIA

MSM/MBA/MPED/MSc/MS/MPhil in sports-related domains. (A PhD in Sports and/or Sports Management related areas is also possible after completing a PG-level degree in the field).

POPULAR DIPLOMA COURSES RELATED TO SPORTS & SPORST MANAGEMENT IN INDIA

Diploma in Physical Education/Sports Event Management/Sports Management/Sports Coaching etc.

COMMON ENTRANCE EXAMS FOR PURSUING SPORTS OR SPORTS MANAGEMENT COURSES IN INDIA

Sports Aptitude Assessment Test, SMAT, All India Entrance Test (AIET), CAT, MAT, XAT, CMAT etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Sports or Sports Management courses.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS FOR SPORTS (HOW TO PURSUE)

Study/Course Pathway 1:

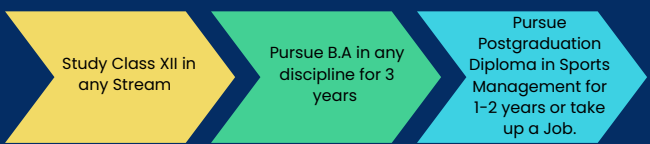
Study/Course Pathway 2:

EDUCATIONAL/CAREER PATHWAYS FOR SPORTS MANAGEMENT (HOW TO PURSUE)

Study/Course Pathway 1:

Study/Course Pathway 2:

Study/Course Pathway 3:



Copyright © EnrichMyCareer

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING SPORTS AND/OR SPORTS MANAGEMENT COURSES IN INDIA

- Tamil Nadu Physical Education and Sports University, Chennai
- Symbiosis School of Sports Management, Pune
- Indira Gandhi Institute of Physical Education and Sports Sciences, New Delhi
- National Cricket Academy, Bangalore
- National Institute of Sports, Patiala
- Sister Nivedita University (SNU), Kolkata
- Swarnim Gujarat Sports University, Gandhinagar
- Maulana Abul Kalam Azad University of Technology, West Bengal
- George College, Kolkata
- National Institute of Sports Management, Mumbai
- Lakshmibai National Institute of Physical Education, Gwalior and Guwahati (Sonapur)
- KJ Somaiya Institute of Management, Mumbai
- Tata Football Academy, Jamshedpur
- Jain University, Bengaluru
- ISBR Business School, Bangalore
- Hindustan Institute of Technology and Science, Padur
- MIT World Peace University, Pune
- DY Patil University School of Management, Mumbai
- Garware Institute of Career Education and Development, University of Mumbai
- Indian Institute of Social Welfare and Business Management, Kolkata
- Jamia Millia Islamia, New Delhi
- PES University, Bangalore
- Ramaiah Institute of Management, Bangalore
- VELS School of Management Studies and Commerce, Chennai
- International Institute of Sports Management (IISM), Mumbai
- National Academy of Sports Management, Mumbai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Sports/Sports Management, which may require qualifying scores from students to get admission in the institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING SPORTS AND/OR SPORTS MANAGEMENT COURSES IN ASSAM

- Sri Sri Aniruddhadeva Sports University, Dibrugarh
- Dibrugarh University, Dibrugarh
- North Lakhimpur College
- Nalbari College, Nalbari
- Rangia College, Rangia
- Abhiruchi Institute of Physical Education, Guwahati
- Gauhati University, Guwahati
- Lakshmibai National Institute of Physical Education, Guwahati (Sonapur)
- Assam University, Silchar
- Tezpur University, Tezpur
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in Sports/Sports Management, which may require qualifying scores from students to get admission in the institutions.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE SPORTS AND/OR SPORTS MANAGEMENT COURSES

- Temple University, Philadelphia, USA
- University of Texas, Austin, USA
- University of Minnesota, Minnesota
- University of Michigan, USA
- University of Florida, Florida, USA
- Loughborough University, UK
- University of Melbourne, Australia
- University of British Columbia, Canada
- Ohio University, USA
- AISTS – International Academy of Sports Science and Technology, Switzerland
- University of Johannesburg, South Africa
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *To study a degree in Sports/Sports Management abroad, one may need to provide English test scores of TOEFL/IELTS, and SAT/ACT scores for bachelor's programs, and GRE/GMAT scores for master's programs. A Statement of Purpose (SOP) and Letters of Recommendation (LORs) may also be required.*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Sports Instructor, Sports Department Manager, Athletic Administrator, Sports News Reporter, Athletic Coach and Director, Fitness Manager, Sports Agent, Sports Lawyer, Sports Coach & Instructor, Sports Player, Commentator, Professional Athlete, Sports Photographer, Physical Education Teacher, Personal Trainer, Health Advice Officer, Health & Public Services Leader, Athletic Trainer, Sports Physical Therapist, Fitness Program Coordinator, Sports Managers, Sports Analysts, Training Executive, Athlete Nutritionist, Sports Marketing Managers, Sports Consultants etc.

Copyright © EnrichMyCareer

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Educational Institutions
- Sports Agencies
- Professional Sports clubs (amateur and professional)
- Sports Academy
- Health facilities
- Community Centers
- Sports Marketing Agencies
- Sports Equipment Manufacturers and Retailers
- Fitness and Wellness Centers
- Sports Media and Broadcasting Companies
- Event Management Companies
- Sports Technology and Software Companies
- Sports Apparel and Lifestyle Brands
- Sports Hospitality and Tourism
- Sports Consultancies and Agencies
- Corporate Wellness Programs etc.

GOVERNMENT OR PUBLIC BODIES

- Ministry of Youth Affairs and Sports
- Sports Authority of India
- National Sports Federation of India
- State Sports Departments
- Educational Institutions
- Public Sector Undertakings
- Indian Olympic Association
- Khelo India
- National Institute of Sports
- National Anti-Doping Agency
- Doordarshan Sports
- All India Radio
- Sports Development and Coaching Center
- All India Council of Sports
- National Sports Development Fund
- Board of Control for Cricket in India
- Badminton Association of India
- Wrestling Federation of India etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- The Sports Gurukul
- Schools and Colleges
- Kaziranga Gold Club Private Limited
- Scoras Infotainment Pvt. Ltd.
- Guwahati Football Club Sports Private Limited
- Diphu Morning Star Football Club Private Limited
- Abhishri Production Private Limited
- Junaki Ventures Private Limited
- Affievents Sports & Management Private Limited
- Karma Games Private Limited
- Bongaigaon Sports Foundation
- 8bit Creatives Private Limited
- Barak Media And Entertainment Pvt. Ltd.
- Atvi Infotainment Pvt. Ltd.
- Sports Authority of Assam
- Assam Olympic Association

- Gauhati University
- Dibrugarh University
- Assam Cricket Association
- Assam Football Association
- All Assam Tennis Association
- Sports & Youth Welfare Assam
- India Club
- Gauhati Club
- Clubs in various Tea Estates
- Others

IF SELF EMPLOYED/ENTREPRENEUR

Sports Coaching or Training Academy, Sports Events Management, Sports Consulting Firm, Sports Merchandise or Apparel Business, Fitness Center or Gym, Sports Technology Startup, Sports Tourism or Adventure Sports, Online Sports Platform, Sports Education or Skill Development, Athlete Representation Agency, Sports Finance & Investment Firm, Sports Facilities Management Company, Sports Nutrition & Wellness Brand etc.

KEY SKILLS REQUIRED

Physical Fitness, Resilience, Optimism, Observation Skills, Patience, Determination, Enthusiasm, Management Skills, Communication & Interpersonal Skills, Analytical Skills, Critical Thinking, Empathy, Leadership, Time Management, Teamwork & Collaboration, Negotiation Skills, Networking Abilities, Cultural Sensitivity, Problem Solving etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

The average salary or remuneration in the field of sports and sports management in India can vary significantly depending on various factors. However, here are some approximate indicative ranges:

- Entry-level (0-2 years' experience): They can expect to earn an annual salary ranging from Rs. 2 - 5 lakhs, and may hold positions such as coordinators or assistants in various areas such as sports management, marketing, events, facilities, athlete management, or sports analysis.
- Mid-level (3-6 years' experience): Their annual salary ranges from Rs. 5 - 12 lakhs, and they may be in managerial/senior positions, taking on greater responsibilities in areas such as sports management, marketing, event management, facility management, athlete management, or sports analysis.
- Senior-level (7+ years' experience): Their annual salaries range from Rs. 10 - 25+ lakhs, and they hold senior managerial/leadership positions, managing strategic planning, business development, operations etc. in sports organizations, marketing agencies, athlete management firms, and sports analytics firms.

Note: *These salary figures are approximate and can vary based on factors such as experience, education, location, the size & type of organization, job role, and market conditions. Additionally, salaries for athletes themselves can vary significantly based on their level of skill, performance, and popularity.*

TOP RECRUITERS

- Star Sports
- Zee – Ten Sports
- JSW Sports
- Decathlon India
- OGQ
- SportsWise India
- Go Sports Foundation
- CEAT
- IMG
- Sports Interactive
- Pitch Vision
- XLR8
- Edusports
- Mobile Premier League (MPL)
- Board of Control for Cricket in India (BCCI)
- Indian Premier League (IPL)
- Pro Kabbadi League (PKL)
- National Football League (NFL)
- Major League Baseball (MLB)
- National Hockey League (NHL)
- DNA Networks
- ESPN
- ITW Consulting
- Dream Sports (Dream11)
- Independent Sports & Entertainment
- Wasserman Media Group
- Boras Corporation
- Excel Sports Management
- Creative Artists Agency
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

A career in sports and sports management offers exciting opportunities but comes with significant challenges. By addressing these challenges through continuous education, networking, health and wellness focus, and strong ethical standards, individuals can enhance their chances of achieving success and long-term satisfaction in this dynamic field.

Strategies to Overcome Challenges

- Continuous Education: Pursue ongoing education and certifications in sports management, coaching, and related fields to stay competitive.
- Networking: Build a strong professional network through industry events, conferences, and social media to enhance career opportunities and industry knowledge.
- Health and Wellness: Prioritize physical and mental health through proper training, medical care, and mental health support.
- Financial Planning: Develop financial literacy and plan for long-term financial security, including post-retirement.
- Career Transition Programs: Utilize programs and services that assist athletes in transitioning to new careers after sports.
- Ethical Standards: Adhere to high ethical standards and promote integrity in all professional activities.
- Mentorship: Seek out mentors and experienced professionals who can provide guidance and support.
- Adaptability: Be adaptable and open to new opportunities, including roles outside traditional sports management.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN STOCK BROKING

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN STOCK BROKING

A stockbroker is a professional who facilitates the buying and selling of stocks, bonds, and other securities on behalf of investors. They play a crucial role in financial markets, providing expertise and guidance to clients on investment decisions.

Stockbrokers execute trades, analyze market trends, and offer recommendations based on their knowledge of market conditions and individual investor goals. They often work for brokerage firms or financial institutions, acting as intermediaries between buyers and sellers to ensure transactions are conducted efficiently and as per regulations. As trusted advisors, stockbrokers help investors navigate the complexities of the stock market, aiming to maximize returns while managing risks.

With the Indian stock markets experiencing steady growth, there's an anticipated surge in demand for skilled professionals in this field. Pursuing a career as a stockbroker could be a viable option if you have a keen interest in tracking financial markets like Nifty and Sensex, coupled with analytical abilities, adaptability, and quick decision-making skills.

Types of Stockbrokers: In India, there are several types of stockbrokers, each offering different services and catering to the diverse needs of investors and traders. Some common types include Full-Service Brokers, Discount Brokers, Online Brokers, Institutional Brokers, Sub-Brokers etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING STOCK BROKING IN INDIA

- ☑ In India, the minimum age requirement to be a stockbroker is 21 years.
- ☑ The minimum educational qualification to become a Stockbroker and/or Sub Broker is completion of class 12th studies from a recognized board in India.
- ☑ To pursue a career as a stockbroker, a bachelor's degree, preferably in commerce/ finance/ management/ economics, is recommended. It's advisable for students to have math and statistics as core subjects in senior secondary and graduation.
- ☑ Candidates should have prior experience working as an authorized assistant/ partner/ remisier/ authorized clerk/ apprentice to an established Stockbroker.
- ☑ Stockbrokers in India must register with the Securities Exchange Board of India (SEBI), the governing body of securities in the country.
- ☑ Stockbrokers need to pass various exams covering subjects like securities and portfolio management, economics, and capital markets.

- ☑ A stockbroker must pass the Financial Industry Regulatory Authority's General Securities Representative Exam (FINRA). A person must be funded by a FINRA member firm or a Self-Regulatory Organization (SRO).
- ☑ Candidates are required to become members of a recognized stock exchange in India.
- ☑ Candidates must have a certification in the Securities Market (Basic) module or Compliance Officers (Brokers) module or relevant modules required by the membership of the exchange.
- ☑ Large broking firms prefer MBA-Finance/Chartered Accountants/Chartered Financial Analysts etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR PG DEGREES/COURSES IN STOCKBROKING IN INDIA

PG Course; PG Program; PG Diploma; PG Certification Program; Executive MBA; MBA etc. in domains such as Capital Market and Financial Services, Security Analysis, Financial Markets, Financial Services, Finance etc.

POPULAR DIPLOMA/CERTIFICATION COURSES IN STOCKBROKING IN INDIA

Diploma/Certificate (by NSE/BSE/others) in Securities Markets/Financial Markets/Stock Market Operations/Stock Market Trading/Financial Services/Derivatives Trading/Wealth Management/Capital Markets/Stock Market Analysis/Central Depository/Corporate Governance/Options Trading/Credit Rating etc.

COMMON ENTRANCE EXAMS FOR PURSUING STOCKBROKING OR STOCK TRADING COURSES IN INDIA

Many institutions conduct entrance exams to shortlist candidates for their stockbroking programs. These exams assess the candidate's aptitude in subjects like finance, economics, mathematics, and general knowledge. Examples of popular entrance exams include National Institute of Securities Markets (NISM) Certification Examinations, and Financial Planning Standards Board (FPSB) India's Certification Exams.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different institutes or authorities in India that offer Stockbroking or Stock trading courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in any Stream → Graduation in any stream preferably in finance-related subjects → Short term/ Long term course from NSE/BSE.

Study/Course Pathway 2:

Class 12 in any stream preferably with statistics and mathematics → Short term/Long term courses from NSE/ BSE → Practice in a Brokerage firm, then apply for a license.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 3:

Class 12 with science/commerce with mathematics → Graduation in any stream → PGDM/MBA in Capital Markets.

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING STOCKBROKING RELATED COURSES IN INDIA

- National Institute of Securities Market (NISM)
- Mumbai Stock Exchange Training Institute
- Institute of Chartered Financial Analysts of India (ICFAI)
- National Stock Exchange (NSE) Academy
- Securities Training Institute (STI)
- Indian Institute of Banking & Finance (IIBF)
- Institute of Derivatives
- Wealth Management Institute of India (WIMI)
- Indian Institute of Capital Markets (IICM)
- Stock Market Institute of India (SMII)
- Institute of Financial Market Courses
- National Institute of Wall Street
- Institute of Capital Market Development
- All India Centre for Capital Market Studies
- Institute of Financial & Investment Planning
- J.D.C. Bytco
- The Orion Institute of Capital Market
- NCFM Academy
- The UTI Institute of Capital Market
- Indian Institute of Management (IIM)
- Yourtrader
- Institute of Company Secretaries of India (ICSI)
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions. Many online platforms such as Coursera, Udemy etc. also provide online courses and certifications.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING STOCKBROKING RELATED COURSES IN ASSAM

- Excel Traders Academy, Guwahati
- Future Study Stock Market Class, Guwahati
- Finlab Trading Academy, Dibrugarh
- Stockan, Silchar
- Stock Market Classroom, Sivasagar
- Bitupan Majumdar SEBI RA & Stock Market Trainer, Guwahati
- Angel One by Angel Broking Limited, Guwahati
- Stock Market Classroom, Jorhat

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE STOCKBROKING RELATED COURSES

- Indiana University, USA
- Kansas State University, USA
- New England College of Business, USA
- Bryant University, USA
- California State University, USA
- London Business School, UK
- The University of Melbourne, Australia
- The University of New South Wales, Australia
- New York Institute of Finance (NYIF), USA
- London Stock Exchange Group Academy, UK
- Canadian Securities Institute (CSI), Canada
- Australian Securities and Investments Commission (ASIC), Australia
- Singapore Exchange (SGX) Academy, Singapore
- Swiss Finance Institute (SFI), Switzerland
- Frankfurt School of Finance & Management, Germany
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree or course in Stockbroking or Stock Trading abroad, they will have to provide English proficiency test scores of TOEFL/IELTS, and SAT/ACT scores or other test scores for bachelor's level programs, and GRE/GMAT scores or other test scores for master's level programs. Also, they may have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Equity Analyst, Bank Broker, Advisor, Security Trader, Security Sales Representative, Securities Broker, Securities Analyst, Stock Broker, Investment Advisor, Portfolio Manager, Research Analyst, Trader, Sub Broker, Equity Dealer, Personal Finance Advisor, Investment Analyst, Risk Manager, Equity Research Analyst, Financial Analyst, Proprietary Trader, Derivatives Trader, Fund Manager, Commodities Broker, Securities Lending Specialist, Financial Consultant, Arbitrage Dealer, Mutual Fund Advisor, Financial Planner, Wealth Manager etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Brokerage Firms
- Insurance Companies
- Banks
- Investment Banks
- Financial Institutions
- Financial Advisory Firms
- Mutual Funds
- Hedge Funds
- FinTech Companies/Startups
- Technology Companies
- Consulting Firms
- Corporate Finance Departments
- Asset Management Companies
- Real Estate Investment Firms
- Commodity Trading Companies
- Private Equity and Venture Capital Firms,
- Wealth Management Firms
- Large Businesses
- Magazines & Newspaper Agencies
- Regulatory Bodies and Compliance Agencies
- Family Offices (of wealthy families), etc

GOVERNMENT OR PUBLIC BODIES

- National Stock Exchange
- Bombay Stock Exchange
- Government Regulatory Agencies
- Central Banks
- Treasury Departments
- Public Investment Funds
- Export Promotion Councils
- Infrastructure Development Agencies
- Research Institutes
- Think Tanks
- Securities and Exchange Board of India (SEBI)
- Public Sector banks
- Public Sector Undertakings (PSUs), etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Kotak Securities
- ICICI Securities
- DSAB Finserve
- Bajaj Allianz Life Insurance
- Pragjyotish Securities
- IDBI Capital Market Services
- FinEdge Advisory
- Kotak Mahindra Asset Management Co.
- Sapient Wealth Advisors & Brokers
- Angel Broking
- Sharekhan
- SMC Global Securities
- Edelweiss Broking
- Motilal Oswal Financial Services
- Karvy Stock Broking
- Directorate of Investment and Public Asset Management (DIPAM)-Assam
- Assam Export Promotion Council

- Life Insurance Corporation of India (LIC)
- National Insurance Company Limited
- Assam Gramin Vikash Bank
- Assam Financial Corporation
- SBI Funds Management Ltd.
- SBI Life Insurance
- Reserve Bank of India
- State Bank of India
- Export-Import Bank of India (EXIM Bank)
- National Bank for Agriculture and Rural Development (NABARD)
- National Housing Bank
- Power Finance Corporation
- Rural Electrification Corporation
- Indian Oil Corporation (IOC), etc.

IF SELF EMPLOYED/ENTREPRENEUR

Independent Broker, Own Stock Trading Platform, Financial Education Services, Investment Advisory Firm, Financial Technology (Fintech) Startup, Stock Market Analytics Platform, Trading Education and Community Platform, Financial News and Media Company, Stock Market Research Firm, Stock Market Software Development etc.

KEY SKILLS REQUIRED

Communication & Interpersonal Skills, Attention to Details, Risk Management, Ability to work under pressure, Analytical Skills, Research Skills, Strong Decision-making skills, Negotiation skills, Patience and Discipline, Sales Skills, Ethical Conduct, Critical Thinking, Mathematical skills, Client Relationship Management, Adaptability, Analytical Thinking, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

- Generally, entry-level stockbrokers may earn around Rs. 3 - 5 lakhs per year, while experienced professionals with several years of experience and a strong client base can earn significantly higher, ranging from Rs. 10 lakhs to several crores annually.
- It's essential to note that commissions and bonuses also play a significant role in determining a stockbroker's overall earnings.

Note: *The above salary figures are average and indicative data, and can vary based on one's knowledge/ qualification, skills, experience, past performance/track record, location, firm's reputation/brand image, the job profile, and market conditions at that time*

TOP RECRUITERS

- Kotak Securities Limited
- ICICI Securities Limited
- Karvy
- Motilal Oswal
- Morgan Stanley
- Bank of America
- AB Group
- Sharekhan Limited
- Edelweiss Broking Ltd.
- Angel Broking/Angel One
- HDFC Securities Ltd.
- RKSV Securities India
- Bombay Stock Exchange
- JP Morgan
- Goldman Sachs

- SEBI
- Reserve Bank of India
- State Bank of India
- IRDAI
- EXIM Bank
- NABARD
- National Housing Bank
- Mirae Asset
- Zerodha Booking Ltd.
- Groww
- 5Paisa Capital Ltd.
- SBICAP Securities Ltd.
- Tata Group
- National Stock Exchange
- Ventura Securities
- Power Finance Corporation

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of a prospective career in Stock Brokering in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Stock Brokering Career in India

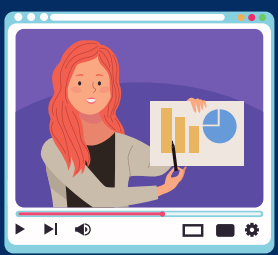
- Educational Background: Common pathways include degrees in finance, economics, business administration, and certifications such as Chartered Financial Analyst (CFA) or National Institute of Securities Markets (NISM) certifications.
- Regulatory Framework: The Securities and Exchange Board of India (SEBI) regulates stockbrokers, requiring registration and compliance with its guidelines.
- Diverse Roles: Roles include equity analysts, financial advisors, portfolio managers, and trading specialists.
- Employment Opportunities: Available in brokerage firms, investment banks, financial advisory firms, and as independent advisors.
- Skill Requirements: Strong analytical skills, understanding of financial markets, regulatory knowledge, customer service skills, and proficiency in trading platforms.

2. Desired State of Stock Brokering Career in India

- Advanced Skill Sets: Professionals should possess skills in advanced data analytics, algorithmic trading, risk management, and global market knowledge.
- Global Competency: Knowledge and skills that align with international standards to attract global clients and investments.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with market trends and technological advancements.
- Technological Proficiency: Proficiency in using advanced trading platforms, financial software, and data analytics tools.
- Ethical Standards: High emphasis on ethical practices, transparency, and regulatory compliance.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN TEACHING & EDUCATION



Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN TEACHING & EDUCATION

Teaching is considered a noble profession both in India and globally. Teachers serve as beacons of inspiration, guiding students through the journey of discovery and self-realization. Beyond textbooks and exams, good teachers impart important life lessons, foster critical thinking skills, and cultivate creativity and resilience.

As an educator, you're not just imparting knowledge; you're constantly acquiring new skills, exploring innovative teaching methodologies, and staying abreast of emerging trends in education.

The demand for qualified educators is increasing and is expected to continue growing. Whether you aspire to be a school teacher, a college professor, a special educator, a student counsellor, or a corporate trainer, a career in education offers numerous rewards.

By embarking on this rewarding journey, you become not just an educator, but a mentor, a guide, and a catalyst for positive change. So, if you're passionate about shaping minds, inspiring hearts, and leaving a legacy, consider the noble path of a career in teaching.

Types of Teachers:
Pre -Primary Teacher (for children aged 3 to 5 years old), Primary Teacher (for children aged 6 to 12, covering classes 1 to 5), Secondary Teacher (for students from grades 6 to 10), Senior Secondary Teacher (for students from grades 11 to 12 or from pre-university/junior college/higher secondary), Special Educator (for students having unique needs due to disabilities such as autism spectrum disorder, learning disabilities etc.), College Professor/Lecturer (for students studying degree programmes/higher education courses in colleges or universities).

ELIGIBILITY CRITERIA TO BECOME A TEACHER AND/OR PROFESSOR IN INDIA

- ☑ Candidates must clear Class 12th in any stream, with min. 50% aggregate marks or equivalent CGPA.
- ☑ Candidates must clear Class 12th with English and/or Science to pursue few integrated courses related to teaching.
- ☑ Candidates should have a UG Degree along with B.Ed. with a min. 50% aggregate from any stream.
- ☑ Candidates must have at least 55% marks in the master's degree program from a recognized university after which they can go for PhD degree in specific stream.
- ☑ For Postgraduation programs, some colleges/universities conduct their own Entrance test and/or Interview for selection.
- ☑ Candidates should have a professional certificate of teaching experience along with research done independently and certain publications in journals if they wish to become professors.
- ☑ Candidates also need to clear various national and state level examinations to be eligible to qualify as a Teacher and/or Professor as applicable.

Note: *Candidates should have a B.Ed. degree to teach in schools, and one requires at least a master's degree with UGC-NET qualification certificate to teach as a professor in colleges or universities.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG DEGREES AND INTEGRATED DEGREES RELATED TO TEACHING IN INDIA

B.Ed/B.P.Ed/B.EL.Ed/B.A. + B.Ed. Integrated Program/ B.Sc. + B.Ed. Integrated Program/ B.Com + B.Ed. Integrated Program/ B.A. in Education / B.Sc. in Education etc.

POPULAR PG DEGREES AND INTEGRATED DEGREES RELATED TO TEACHING IN INDIA

M. Ed/MA in Education/M.Phil. in Education/M.Sc. in Education/Post Graduate Diploma in Education & Teaching/M.A. + B.Ed. Integrated Program/M.Sc. + B.Ed. Integrated Program etc.

POPULAR PH.D./DOCTORAL DEGREES OR COURSES RELATED TO TEACHING IN INDIA

PhD (Doctor of Philosophy) in Education/Physical Education/Science/Commerce & Management/Engineering or Technology/Arts etc.

POPULAR DIPLOMA/TRAINING COURSES RELATED TO TEACHING IN INDIA

Diploma in Elementary Education (D.El.Ed.)/ Diploma in Education (D.Ed.)/ Diploma in Early Childhood Education (D.E.C.Ed)/ Diploma in Special Education (DSE)/ Diploma in Physical Education (D.P.Ed.)/ Primary Teacher Training Course etc.

Note: *The duration of Diploma courses is generally 1-2 years, UG degree is 2-4 years, PG is 2 years, and PhD is 3 to 6 years.*

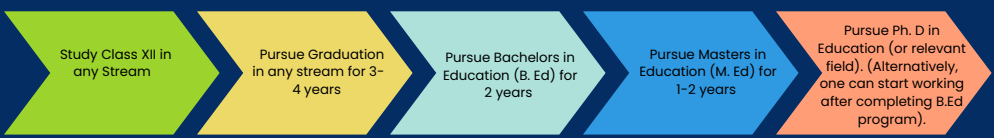
COMMON ENTRANCE EXAMS FOR PURSUING TEACHING COURSES IN INDIA

SET, TET, CTET, NET, CSIR UGC NET, UGC NET, IIT JAM, GATE, etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Teaching-related courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A TEACHER)

Study/Course Pathway 1:



Study/Course Pathway 2:

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A PROFESSOR)

Study/Course Pathway 1:

Study Class XII in any Stream → Pursue Graduation in any stream for 3-4 years → Pursue Post Graduation/ Masters for 2 years in any discipline → Pursue Ph. D for 3-5 years in the same discipline → Clear UGC NET or CSIR-UGC NET.

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A SPECIAL EDUCATOR)

Study/Course Pathway 1:

Study Class XII in any Stream → Pursue Graduation in any stream for 3-4 years → Pursue Bachelors in Education/Special Education for 2 years → Pursue Masters in Special Education for 2 years.

Study/Course Pathway 2:

Study Class XII in any Stream → Pursue Graduation in any stream for 3-4 years → Pursue Bachelors in Education/Special Education for 2 years.

Study/Course Pathway 3:

Study Class XII in any Stream → Pursue Graduation in any stream for 3-4 years → Pursue Post Graduate Diploma Programme in Early Childhood Special Education/Special Education for 1 year.

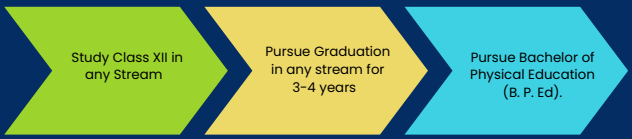
EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A PHYSICAL EDUCATION TEACHER)

Study/Course Pathway 1:

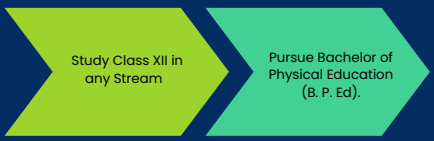
Study Class XII in any Stream → Pursue Graduation in any stream for 3-4 years → Diploma in Physical Education (D. P. Ed.).

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Study/Course Pathway 2:



Study/Course Pathway 3:



EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A PRE PRIMARY SCHOOL TEACHER)

Candidates can pursue either Nursery Teachers Training (NTT) which is a 1-year course or Diploma in Early Childhood Education (D.E.C.Ed) after class 12th which is a 2-year program.

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A PRIMARY SCHOOL TEACHER)

Candidates can pursue any one of the following courses:- Bachelor's in Elementary Education (B.El.Ed) - a 4-year course OR Elementary Teacher Education (ETE) – a 2-years program OR Diploma in Elementary Education (D.El.Ed) – a 2-years program.

Copyright © EnrichMyCareer

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A SECONDARY SCHOOL TEACHER)

Candidates must have a PG degree in a teaching subject (non-professional, degree courses) along with a Bachelor of Education (B.Ed) degree. Candidates can pursue PG in any discipline

EDUCATIONAL/CAREER PATHWAYS (HOW TO BECOME A FOREIGN LANGUAGE TEACHER)

Complete class XII → Pursue BA(Hons.) in foreign language → Pursue MA in foreign language → PhD. (Or one can also opt to complete relevant foreign language certification levels from designated and recognized bodies of respective countries to become Foreign Language Trainer/Teacher/Tutor).

Note: *After the completion of an undergraduate (Bachelors) degree, the candidate can either apply for relevant teaching or other jobs based on their skills and interest, or they can opt for a postgraduate (and even doctoral) degree for advanced or specialized studies.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING TEACHING RELATED COURSES IN INDIA

- Delhi University - Delhi
- University of Mumbai - Mumbai
- Amity University - Noida
- IISC Bangalore - Bengaluru
- Indira Gandhi Institute of Advanced Education - Delhi
- Mahatma Gandhi College of Education - Delhi
- Lady Irwin College - Delhi
- IIT Delhi/Bombay/Roorkee/Kharagpur
- Chandigarh University - Chandigarh
- Banaras Hindu University - Varanasi
- BITS Pilani - Pilani
- Lovely Professional University - Jalandhar
- Jawaharlal Nehru University - Delhi
- Jamia Millia Islamia University - New Delhi
- University of Hyderabad - Hyderabad
- St. Xavier's College of Education - Patna
- Pasha College of Education - New Delhi
- MIT School of Education & Research - Pune
- Matushri Ahilya Devi Teachers Education Institute - Indore
- Guru Gobind Singh Indraprastha University - New Delhi
- Azim Premji University - Bengaluru
- Lady Shri Ram College for Women - Delhi
- Delhi Teacher Training College - Delhi
- JEC College of Education - Delhi
- Kurukshetra University - Kurukshetra
- Helen Keller College of Special Education - Mumbai
- Action for Autism - New Delhi
- SRM Institute of Science & Technology - Chennai
- JIS University - Kolkata
- Rajeev Gandhi College - Raisen
- Institute of Teacher Education - Ghaziabad
- University of Lucknow - Lucknow

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

- National Institute for the Mentally Handicapped – Secunderabad
- Chandrashekhar Agashe College of Physical Education - Pune
- YMCA College Of Physical Education - Chennai
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING TEACHING COURSES/DEGREES IN ASSAM

- Assam University, Silchar
- Gauhati University, Guwahati
- Dibrugarh University, Dibrugarh
- Tezpur University, Tezpur
- Bodoland University, Kokrajhar
- Sri Sri Aniruddhadeva Sports University, Dibrugarh
- K.K. Handiqui State Open University, Guwahati
- Government College of Teachers Education, Tezpur
- Royal Global University, Guwahati
- College of Education, Nagaon
- Baihata Charili B.Ed. College, Baihata Charali
- Asom Sikshak Prasikshan Mahavidyalaya, Guwahati
- B Borooah College, Guwahati
- National Institute for Teachers Education, Guwahati
- North Lakhimpur College, Lakhimpur
- College of Teacher Education, Golaghat
- Gossaigaon B.Ed. College, Kokrajhar
- District Institute for Education and Training, Jorhat/Tinsukia/Sonitpur
- Teachers Training College, Silchar
- Dakshin Guwahati B.Ed. College, Guwahati
- Nowgong College, Nagaon
- Mangaldai Government Teachers Training College, Mangaldai
- Rangia Teachers Training College, Rangia
- Diphu B.Ed. College, Diphu
- Dhubri Post Graduate Teachers Training College, Dhubri
- Cotton University, Guwahati
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Copyright © EnrichMyCareer

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE TEACHING RELATED COURSES

- Harvard University - USA
- Stanford University - USA
- University of Oxford - UK
- California Institute of Technology (Caltech) - USA
- Yale University - USA
- University of Toronto - Canada
- University of Chicago - USA
- University of California, Berkeley - USA
- Massachusetts Institute of Technology (MIT) - USA
- University of Cambridge - UK
- Princeton University - USA
- London's Global University (University College London) - UK
- University of Florida - USA
- La Trobe University - Australia
- University of Melbourne - Australia
- University of Tokyo - Japan
- University of Hong Kong - Hong Kong
- National University of Singapore - Singapore
- National Academy of Sports Medicine - United States
- Norwegian School of Sport Sciences (NIH) - Norway
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in teaching abroad, they will have to provide English proficiency test scores of TOEFL/IELTS, along with SAT/ACT or other relevant test scores for bachelor's degree programs and GRE/GMAT or other relevant test scores for master's degree programs. Along with this, they will have to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Assistant Professor, Associate Professor, Professor, Senior Professor, Lecturer, Training Coordinator, Primary School Teacher, Secondary School Teacher, High School Teacher, Tutor, School Coordinator, School Counsellor, Headmaster, Researcher, HOD, Principal, Chancellor, Vice Chancellor, College Administrator, Education Counsellor, Teaching Assistant, Curriculum Developer, Career Counsellor, Pre School Teacher, Early Childhood Education Teacher, Special Educator, Librarian, Foreign Language Teacher, TEFL Teacher, Assistant Researcher, Guest Professor, Childcare Worker, Occupational Therapist, Co-Curricular Activities Administrator, Physical Education Teacher, Corporate Trainer etc.

Copyright © EnrichMyCareer

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Universities
- Schools
- Coaching Centers
- Daycare Centers
- Online Coaching Portals/Platforms
- Research-based Institutions
- Art Colleges/Galleries
- Technical Universities
- Nursery Schools
- Elementary Schools
- High Schools
- MNCs
- Corporate Training Centers
- NGOs
- Foundations
- Rehabilitation Centers
- Sports Clubs
- Fitness Centers
- Special Education Schools
- Education Consultancies
- EdTech Companies/Startups, etc.

GOVERNMENT OR PUBLIC BODIES

- Ministry of Education (GoI)
- Ministry of Human Resource Development (MHRD, GoI)
- National Council for Teacher Education (NCTE)
- National Institute of Open Schooling (NIOS)
- Central and State Universities
- Autonomous Public Institutions (IITs, IIMs, NITs, AIIMS etc.)
- Central Board of Secondary Education (CBSE)
- State Government Boards
- Government and Public Schools and Colleges
- Special Government Schools
- Union Public Service Commission
- State Public Service Commission
- University Grants Commission (UGC)
- National Council of Educational Research and Training (NCERT)
- All India Council for Technical Education (AICTE)
- State Councils of Educational Research and Training (SCERTs)
- National Assessment and Accreditation Council (NAAC), etc.

Copyright © EnrichMyCareer

IN ASSAM

- Universities (e.g. Royal Global University-Guwahati, Kaziranga University-Jorhat, Assam Don Bosco University-Sonapur etc.)
- Affiliated Colleges (e.g. B. Borooah College)
- Autonomous Colleges (e.g. Arya Vidyapeeth College)
- Schools (e.g. The Assam Valley School-Sonitpur, Don Bosco School-Guwahati, Royal Global School-Guwahati, Sarla Birla Gyan Jyoti-Guwahati, Sanskriti The Gurukul-Guwahati, Maharishi Vidya Mandir-multiple locations)
- Central Universities (e.g. Assam University-Silchar, Tezpur University-Sonitpur)
- Central Government Schools (e.g. Kendriya Vidyalayas)

- State Universities (e.g. Gauhati University-Guwahati, Dibrugarh University-Dibrugarh, Assam Agricultural University-Jorhat, Assam Science & Technology University-Guwahati etc.)
- University-level Autonomous Institutions (e.g. IIIT-Guwahati, IIT-Guwahati, NIT-Silchar, NIPER-Guwahati, NID-Jorhat etc.)
- Others

IF SELF EMPLOYED/ENTREPRENEUR

Own Preschools/Schools/Colleges, Daycare Centers, Tuition/Coaching/Training Centres etc.

KEY SKILLS REQUIRED

Communication Skills, Problem Solving, Resilience, Creative Thinking, Listening Skills, Analytical Skills, Leadership, Empathy, Presentation Skills, Organizational Skills, Discipline, Interpersonal Skills, Patience, Teamwork, Observation Skills, Writing Skills, Adaptability, Qualitative Research, Punctuality, Motivating etc.

Copyright © EnrichMyCareer

REMUNERATION/SALARY (INDICATIVE) FOR TEACHERS

- Teachers who are freshers earn an annual average salary of 3.65 lakhs.
- Teachers with a work experience of 1 - 5 years earn an annual average salary of 7.45 lakhs.
- Teachers with a work experience of 6 - 10 years earn an annual average salary of 9 lakhs.
- Teachers with a work experience of 11- 15 years earn an annual average salary of 12 lakhs.
- Teachers with a work experience of 15- 20 years earn an annual average salary of 15 lakhs or above.

REMUNERATION/SALARY (INDICATIVE) FOR PROFESSORS

On an average, professors in India earn in the below mentioned bracket:

- Assistant Professor (1-5 years of experience): INR 75,000 - INR 85,000 per month.
- Associate Professor (5-10 years of experience): INR 85,000 - INR 1,35,000 per month.
- Professor (10+ years of experience): INR 1,35,000 - INR 2,25,000 per month.

Note: *Above salary figures are average & indicative data, and can vary based on one's knowledge/qualification, skills, experience, location, job profile, institution/organization, and market conditions.*

Copyright © EnrichMyCareer

TOP RECRUITERS

- Indian Institute of Technology (IITs)
- Birla Institute of Technology
- Symbiosis Open Education Society
- Indian Institute of Management (IIMs)
- National Institutes of Technology (NITs)
- University of Delhi
- IGNOU
- Amity University
- Delhi Subordinate Services Selection Board
- Lovely Professional University (LPU)

- Ashoka University
- Defense Schools like Air Force Schools
- Kendriya Vidyalayas (KVs)
- Navodaya Vidyalaya Samiti
- Army Public Schools (APS)
- Delhi Public School Society
- Ryan International Group of Institutions
- DAV Public Schools
- Bharatiya Vidya Bhavan Schools
- The Doon School, Dehradun
- Mayo College, Ajmer
- Bishop Cotton Boys' School, Bengaluru

- Modern School, New Delhi
- Indian Institutes of Science Education and Research
- Jawaharlal Nehru University
- Banaras Hindu University (BHU)
- Tata Institute of Social Sciences
- Teach For India
- NCERT
- University Grants Commission
- State Public Service Commissions (PSCs)
- Ministry of Education (MoE)
- Ministry of Human Resource Development (MHRD)
- Rehabilitation Council of India
- Orchids The International School

- National Institute of Open Schooling (NIOS)
- National Institute of Technical Teachers' Training and Research
- CBSE, CISCE, and other Boards
- AICTE & Technical Institutes approved by it
- NIEPVD and NIEPID
- Rashtriya Madhyamik Shiksha Abhiyan (RMSA)
- Vibgyor High School
- Vedantu
- UpGrad
- Aakash Educational Services
- Allen Career Institute
- Unacademy

Copyright © EnrichMyCareer

GAP ANALYSIS

A gap analysis of a prospective career in "Teaching and Education' in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Teaching & Education Career in India

- Educational Pathways: Degrees in education (B.Ed., M.Ed.), specialized degrees in various subjects, and certification courses such as the Central Teacher Eligibility Test (CTET) and State Teacher Eligibility Test (STET).
- Diverse Roles: Roles include primary and secondary school teachers, college and university professors, special education teachers, educational administrators, and curriculum developers.
- Regulatory Framework: Bodies like the National Council for Teacher Education (NCTE) and the University Grants Commission (UGC) regulate teacher education and standards.
- Employment Opportunities: Available in government and private schools, colleges, universities, coaching centers, and educational NGOs.
- Skill Requirements: Strong subject knowledge, pedagogical skills, classroom management, assessment techniques, and understanding of child psychology.

2. Desired State of Teaching & Education Career in India

- Advanced Skill Sets: Educators should possess skills in innovative teaching methods, technology integration, differentiated instruction, and special education.
- Global Competency: Knowledge and skills that align with international educational standards to ensure global competitiveness.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with educational research and pedagogical advancements.
- Technological Proficiency: Proficiency in using digital tools for online teaching, educational software, and e-learning platforms.
- Holistic Educational Approach: Integration of holistic education methods, including socio-emotional learning, inclusive education, and student-centered approaches.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN TRAVEL & TOURISM

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN TRAVEL & TOURISM

In today's interconnected world, travel & tourism have evolved into a thriving global industry. Whether it's for business or leisure, people travel, seeking new experiences, adventures, and destinations.

A career in travel & tourism promises excitement and fulfilment, whether you are jet-setting to far-flung locations or assisting clients in crafting their ideal itineraries.

One of the most compelling reasons to pursue a career in this field is the opportunity it provides to immerse oneself in diverse cultures and landscapes. Working in the travel industry allows individuals to hone their interpersonal skills and forge meaningful connections with people from all walks of life.

If one works as a travel agent, they use their in-depth knowledge of various regions to offer tailored recommendations and personalized experiences to their clients, thereby positively impacting the lives of others, creating lasting memories, and fostering a sense of wanderlust.

So, if you love traveling, enjoy organizing things, and like meeting new people, a career in travel & tourism is great for you. You get to explore new places and help others have great experiences.

Types of Travel & Tourism: Outbound, Inbound, and Domestic.

Outbound Travel & Tourism involves traveling to destinations outside one's home country. Inbound Travel & Tourism refers to when people from foreign countries visit one's home country. Domestic Tourism involves traveling within one's own country or exploring places within one's own country.

Specialization Areas related to Travel & Tourism: Tourism Management, Aviation Management, Hotel Management, Wildlife Tourism, Hospital Management, Medical Tourism, Rural Tourism, Travel Blogging, Tourism Studies, Cultural Tourism, Heritage Tourism, Sustainable Tourism, Ecotourism, etc.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING TRAVEL & TOURISM IN INDIA

- ☑ Candidates from all streams - arts, commerce, or science can pursue Travel & Tourism Courses.
- ☑ Candidates must have cleared their Class 12th from any stream with a minimum of 45-60% aggregate marks or an equivalent CGPA from a recognized board or university.
- ☑ Candidates may have to clear the entrance exams required by different colleges or universities for specific degrees. Certain universities accept national or state level exams scores.
- ☑ Pursuing master's or postgraduate programs requires a bachelor's degree in Travel and Tourism with a minimum aggregate of 50% or an equivalent CGPA from a recognized board or university, though related degrees are also acceptable.
- ☑ Some MBA courses may necessitate entrance exams specified by the respective college/ university.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

POPULAR UG DEGREES IN TRAVEL & TOURISM IN INDIA

BBA/BSc/BA/BA(H)/BCom/ BTA/B.Voc in Travel & Tourism Management/Tourism Studies/Travel & Tourism etc.

POPULAR PG DEGREES IN TRAVEL & TOURISM IN INDIA

MBA/MSc/MPhil/MA/PhD/MTA/ MTM in Travel & Tourism Management/Tourism Studies/Travel & Tourism.

POPULAR DIPLOMA COURSES IN TRAVEL & TOURISM IN INDIA

Diploma in Travel and Tourism Management/ Hospitality and Travel Management/ Tourism Studies/ Tourism and Ticketing etc.

COMMON ENTRANCE EXAMS FOR PURSUING TRAVEL & TOURISM COURSES IN INDIA

AIMA UGAT, CAT, MAT, CMAT, XAT, UGAT, CUET, DSAT, LPUNEST, MCET, BUMAT, IATA Entrance Exam, Open Management Entrance Test,NCHMCT JEE, and Entrance Exams of Indian Institute of Travel and Tourism, Asian Institute of Hospitality and Tourism, Christ University, Institute of Logistic and Aviation Management, etc.

Note: *The above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Travel & Tourism courses.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in any Stream → Pursue B.A. in Tourism Administration/ BBA in Tourism for 3 years → Pursue MBA/M.A/PGDM for 6 months to 2 years in Travel & Tourism.

Study/Course Pathway 2:

Study Class XII in any Stream → Pursue Diploma/Certificate course for 1-2 years in Travel & Tourism → Pursue PGDM/Certificate course for 6+months to 1 year in Travel & Tourism.

Note: *While pursuing a career in travel & tourism, it is not mandatory to obtain a degree or certificate. However, opting to obtain one can provide additional benefits and enhance your credentials in the field.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING TRAVEL & TOURISM RELATED COURSES IN INDIA

- Amity University - Noida
- Chandigarh University - Chandigarh
- Christ University – Bangalore
- D.Y. Patil School of Hospitality & Tourism Studies - Navi Mumbai
- Banaras Hindu University - Varanasi
- National Institute of Tourism and Hospitality Management - Hyderabad
- Jamia Millia Islamia - New Delhi
- University of Madras - Chennai
- University of Lucknow - Lucknow
- Lovely Professional University - Phagwara
- Indian Institute of Tourism & Travel Management – Gwalior/ Bhubaneswar
- Institute of Hotel Management (IHM) – Multiple Campuses
- Jain University - Bangalore
- St Xavier's College - Mumbai
- Presidency College - Kolkata
- Fergusson College - Pune
- Loyola College - Chennai
- Kuoni Academy - New Delhi
- Goa University - North Goa
- Bharati Vidyapeeth College of Hotel & Tourism Management Studies - Mumbai
- Centre for Tourism Studies (CTS), Pondicherry University - Pondicherry
- Suryadatta College of Hospitality Management and Travel Tourism - Pune
- Asia Pacific Institute of Management - Ahmedabad
- Indian Institute of Hospitality and Management – Thane (Mumbai)
- Kerala Institute of Tourism & Travel Studies - Kerala
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in travel & tourism that may require a good or qualifying score for the student to get admitted in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING TRAVEL & TOURISM RELATED COURSES IN ASSAM

- Assam University, Silchar
- Guwahati University, Guwahati
- Dibrugarh University, Dibrugarh
- Tezpur University, Tezpur
- Royal Global University, Guwahati
- Pragjyotish College, Guwahati
- Assam Institute of Hotel Management, Guwahati
- Centre for Management Studies, Dibrugarh
- Jagannath Barooah College, Jorhat
- Jagiroad College, Jagiroad
- Bhattadev University, Bajali
- Darrang College, Tezpur
- Jettwings Business School, Guwahati
- Khagarijan College, Nagaon
- North Lakhimpur College, Lakhimpur
- Tinsukia College, Tinsukia
- Pub Kamrup College, Baihata Chariali
- Rangia College, Rangia
- Saraighat College, Changsari
- Sonapur College, Sonapur
- North East Institute of Management Science, Jorhat
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for degree courses in travel & tourism that may require a good or qualifying score for the student to get admitted in the college/university*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE TRAVEL & TOURISM RELATED COURSES

- Liverpool Hope University, U.K.
- University of Canberra, Australia
- National University of Singapore, Singapore
- Dalhousie University, Halifax, Canada
- Glion Institute of Higher Education, Switzerland
- The Hong Kong Polytechnic University
- Hotel School the Hague, Netherlands
- Cornell University, U.S.A.
- Les Roches Global Hospitality Education, Switzerland
- University of Surrey, UK
- Griffith University, Australia
- Oxford Brookes University, U.K.
- Arizona State University, U.S.A.
- University of Adelaide, Australia
- Centennial College, Canada
- King's College London, U.K.
- Auckland University of Technology, New Zealand
- Florida International University, U.S.A.
- Purdue University, U.S.A.
- University College Birmingham, U.K.
- University of Pannonia, Hungary
- The American University of Rome, Italy
- New York University (NYU), U.S.A.
- The University of Queensland, Australia
- Others

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Travel & Tourism abroad, they need to provide English proficiency test score of TOEFL/IELTS, SAT score for bachelor's courses, and GMAT/GRE score for master's programs. Also, they may need to submit a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Travel Consultant, Travel Guide, Tour Manager, Tourism Officer, Travel Agent, Travel Agency Manager, Outdoor Adventure Guide, Travel Specialist, Incentive Travel Specialist, Travel Executive, Travel Officer, Ticketing Staff, Tourist Information Center Manager, Airline Staff, Front Office Executive, Travel Coordinator, Reservation Agent, Destination Manager, Tourism Development Officer, Research Analyst, Travel Journalist, Tourism Trainer, Travel Content Writer, Regional Manager, Travel Sales Consultant, Travel Counselor, Operations Manager, Senior Executive Assistant, Guest Services Coordinator, Sales Reservation Agent, Immigration Consultant, Airline Ground Staff, Travel Photographer, PR Manager, Corporate Travel Agent, Airline Customer Service Representative, Cruise Operator etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Travel Agencies
- Airlines
- Hotels & Hospitality Industry
- Tour Operators
- Tour Management Companies
- Tourist Boards
- Event Management Companies
- Sales & Marketing
- Travel Consultancies
- Travel & Ticketing Websites
- Tourist Information Offices
- Tourist Resorts
- Transport & Cargo companies
- Transport Corporations
- Food Industry
- Resorts
- Adventure Tourism
- Facilities Management Service
- Event Management Companies
- NGOs, etc.

GOVERNMENT OR PUBLIC BODIES

- Government Tourist Information offices
- Ministry of Tourism
- State Tourism Development Corporations
- Indian Railways Catering and Tourism Corporation
- Airports Authority of India
- India Tourism Development Corporation
- India Trade Promotion Organization
- Hotel Corporation of India Limited
- Department of Tourism (GoI)
- Immigration & Customs Service
- Cruise Lines
- Airlines
- Railway Department
- Visa Department/bodies

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IN ASSAM

- Cleartrip
- Sidhi Vinayak Travels
- Meenakshi Tours & Travels
- Koyeli Tours & Travels
- Landscape Safari
- Kaziranga Holidays
- Flamingo Travels & Adventure
- Network Travels
- Jungle Travels India
- Shubhyatra
- Sarothi Tourism
- Expedition N.E. India
- Valuemytrip Travels
- Natural Holidays Travel & Tours Operator
- Brahmaputra Jungle Resorts
- K.V. Holidays
- Assam on Wheels
- Indigo
- Air Asia
- Taj Vivanta
- Air India
- MakeMyTrip

- Radisson Blu Hotel
- Donniez Safari
- Thomas Cook
- Assam Customs Department
- Assam Tourism Development Corporation
- Directorate of Tourism
- Office of the Deputy Director of Tourism-Kaziranga
- Office of the Tourist Information Officer-Tezpur
- Dhubri Tourist Information Office
- Assam State Transport Corporation
- Brahmaputra Cruise
- Lokpriya Gopinath Bordoloi International Airport
- Tourist Information Centre
- Tourist Information Counter
- Guwahati Railway Station
- Assam Public Service Commission
- Others

IF SELF EMPLOYED/ENTREPRENEUR

Own Travel Agency, Tour Operating Company, Destination Management Firm, Specialty Travel Business (Luxury Travel, Culinary Tourism, Adventure Travel etc.), Travel Consultancy Firm, Travel Technology Startup, Travel Blog/Vlog, Travel Podcast or Online Course, Content Writer,Eco-Friendly Travel Products, Cultural Immersion Programs, Travel Photography Business etc.

KEY SKILLS REQUIRED

Communication Skills, Attention to Details, Research Skills, Analytical Skills, Diligence, Customer Service, Patience, Cultural Sensitivity, Problem Solving, Leadership, Interpersonal Skills, Teamwork, Adaptability, Management Skills, Time Management, Networking Skills, Critical Thinking, etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

REMUNERATION/SALARY (INDICATIVE)

Salaries in the travel & tourism industry in India vary widely depending on various factors. However, here are some approximate salary ranges for different positions within the industry:

- Entry-Level (with 0-2 years' experience): These individuals typically earn between Rs. 2 – 3.5 lakhs per annum, and may hold positions such as travel consultant, travel agent, or tour guide.
- Mid-Level (with 2-5 years' experience): These professionals generally earn between Rs. 3.5 - 8 lakhs per annum, and may hold roles such as tourism officer, incentive travel specialist, or travel content writer.
- Senior-Level (with 5+ years' experience): These experts earn higher salaries, between Rs. 8 - 17 lakhs per annum, and may hold positions such as travel agency manager, tour manager, or travel specialist.

Note: *These salary ranges are approximate and can vary based on factors such as the specific company, job role, location, experience, skills, and performance of the individual. Additionally, individuals with specialized skills or expertise may command higher salaries within their respective roles.*

TOP RECRUITERS

- MakeMyTrip
- Kesari Tours
- Thomas Cook India Limited
- Expedia
- Club Mahindra Holidays
- Cox & Kings Ltd
- Balmer Lawrie Travel & Vacations
- Yatra
- ClearTrip
- India Healthcare Tourism (IHCT)
- Flying Fox
- American Express Global Business Travels
- Deyor Camps
- Tripoto

- SOTC India
- Kuoni Travel
- East India Travel Co.
- Air Asia
- Travel Guru
- InterGlobe Technologies
- Meridian Lufthansa
- Airbnb
- Booking.com
- Indian Healthcare Tourism
- National Geographic
- Autoura
- Me Trippiing
- Ghumne Chalo Tours & Travels
- ExTravel Money
- Others

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GAP ANALYSIS

While a career in travel and tourism management presents several challenges, proactive strategies, continuous education, and adaptability can help individuals navigate these issues and build successful, fulfilling careers. Emphasizing customer satisfaction, sustainability, and staying updated with industry trends will enhance the prospects for long-term success in this dynamic field.

Strategies to Overcome Challenges

- Continuous Education: Pursue ongoing education and certifications to stay competitive and updated with industry trends and technological advancements.
- Networking: Build a strong professional network through industry events, conferences, and social media to enhance career opportunities and industry knowledge.
- Financial Planning: Develop financial literacy and plan for long-term financial stability, especially considering the industry's sensitivity to economic fluctuations.
- Adaptability: Be adaptable and open to new opportunities and changes in the industry, including embracing new technologies and sustainable practices.
- Health and Wellness: Prioritize personal health and wellness to manage the demands of the job effectively.
- Customer Focus: Develop strong customer service skills and focus on delivering personalized, high-quality experiences to meet customer expectations.
- Regulatory Knowledge: Stay informed about local and international regulations and ensure compliance in all aspects of travel management.
- Sustainability Focus: Embrace and promote sustainable tourism practices to address environmental concerns and meet the growing demand for responsible travel options.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

CAREER IN ZOOLOGY

Copyright © EnrichMyCareer

Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

ABOUT CAREER IN ZOOLOGY

A career in zoology offers a fascinating opportunity to explore a region's rich biodiversity and contribute to the conservation of its unique flora and fauna. India boasts a diverse range of ecosystems, from the majestic Himalayas to the lush tropical rainforests and the vast deserts, providing zoologists with a vast playground for research and exploration.

Zoologists can find employment in various sectors, including academic institutions, research organizations, wildlife sanctuaries, and national parks. They may engage in field research, studying the behavior, ecology, and evolutionary patterns of different species, or conduct laboratory-based experiments to understand the underlying biological processes.

One of the primary roles of zoologists in India is to monitor and conserve endangered species, such as the Bengal tiger, Asian elephant, and the Great Indian bustard. They work closely with government agencies and non-governmental organizations to develop and implement conservation strategies, habitat restoration programs, and public awareness campaigns.

Zoologists also contribute to understanding human-wildlife conflicts that are prevalent in many regions due to rapid urbanization and encroachment into natural habitats. Their research and recommendations aid in mitigating these conflicts and promoting sustainable coexistence between humans and wildlife.

Overall, a career in zoology in India offers a challenging yet rewarding opportunity to make significant contributions to the field of biology, conservation, and environmental sustainability while exploring the country's rich natural heritage.

ELIGIBILITY CRITERIA FOR STUDYING OR PURSUING ZOOLOGY IN INDIA

- ☑ Candidates should have completed their Class 12 education in the Science stream with Biology as mandatory subject.
- ☑ The minimum percentage required for admissions in undergraduate (UG) courses varies between 50% to 60% aggregate marks in Class 12, depending on the university.
- ☑ For Master's admission, candidates need a BSc Zoology degree from a recognized university or college with minimum of 50% aggregate marks.
- ☑ Candidates with backgrounds in allied medical sciences, biosciences, or life sciences are eligible.
- ☑ Some universities may conduct an entrance exam for admission to the M.Sc. program.

POPULAR UNDERGRADUATE (UG) DEGREES IN ZOOLOGY IN INDIA

BSc in Zoology, B.Sc./B.A. in Medical and Allied Medical Sciences/Life Sciences/Bioscience and other relevant domains.

POPULAR POSTGRADUATE (PG) DEGREES IN ZOOLOGY IN INDIA

MSc in Zoology/Anthrozoology/Aquatic Biology/Entomology/Herpetology/Mammology /Marine Zoology/Ornithology/ Zooarchaeology and other relevant domains.

Note: *M.Phil (1-2 years' degree) or PhD (3-5 years' degree) can be pursued if the student or candidate wants to pursue a research-oriented or academic-oriented career in Zoology.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

COMMON ENTRANCE EXAMS FOR PURSUING ZOOLOGY COURSES IN INDIA

CUET, CPGET, CUET PG, BHU PET, DUET, TUEE, AUCET etc.

Note: *Above list of Entrance Exams is not exhaustive. There may be few other entrance tests conducted by different colleges/universities or authorities in India that offer Zoology courses at the UG and PG levels.*

EDUCATIONAL/CAREER PATHWAYS (HOW TO PURSUE)

Study/Course Pathway 1:

Study Class XII in Science Stream with Biology → Pursue B.Sc. (Hons.) in Zoology or B.Sc. (Hons.) in Life Sciences or B.Sc. (Hons.) in Biological Sciences for 3-4 years → Pursue M.Sc. in Zoology or M.Sc. in Life Sciences for 2 years → Pursue Ph.D for 3-5 years or take up a job.

Study/Course Pathway 2:

Study Class XII in Science Stream with Biology → Pursue B.Sc. (Hons.) in Zoology or B.Sc. (Hons.) in Life Sciences or B.Sc. (Hons.) in Biological Sciences for 3-4 years → Pursue Diploma/PG Diploma in Zoology for 1-2 years.

Note: *After the completion of UG or Bachelor's degree, the candidate can either apply for relevant entry-level jobs based on their skills and interest, or they can opt for a PG degree/diploma course for advanced or specialized studies related to Zoology.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ZOOLOGY COURSES IN INDIA

- Banaras Hindu University, Varanasi
- Miranda House, Delhi
- Loyola College, Chennai
- Fergusson College, Pune
- Amity University, Noida
- St Joseph's College, Bangalore
- St. Xavier's College, Mumbai
- Christ University, Bangalore

- Gargi College, Delhi
- Shoolini University, Solan
- The Oxford College of Science, Bangalore
- Hansraj College, Delhi
- Hindu College, Delhi
- Presidency College, Chennai
- Madras Christian College, Chennai
- Kalinga University, Raipur

- Lovely Professional University, Phagwara
- St. Albert's College, Kochi
- Ethiraj College For Women, Chennai
- Kirori Mal College, Delhi
- Sri Venkateswara College, Delhi
- Sharda University, Greater Noida
- C. V. Raman Global University, Bhubaneswar

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

Note: *Above List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Zoology, which may require qualifying scores from students to get admission in the college/university.*

FEW RECOGNIZED COLLEGES/INSTITUTES PROVIDING ZOOLOGY COURSES IN ASSAM

- Gauhati University, Guwahati
- Assam University, Silchar
- Royal Global University, Guwahati
- Cotton University, Guwahati
- Arya Vidyapeeth College, Guwahati
- DHSK College, Dibrugarh
- B. Borooah College, Guwahati
- Handique Girls' College, Guwahati
- Assam Don Bosco University, Guwahati
- Assam Science and Technology University, Guwahati.
- Nowgong College, Nagaon
- ADP College, Nagaon
- Pragjyotish College, Guwahati
- Rangia College, Rangia
- Sibsagar College, Sivasagar
- Bahona College, Jorhat
- Bhattadev University, Bajali
- Bhola Nath College, Dhubri
- BH College, Barpeta
- Chaiduar College, Sonitpur
- Darrang College, Tezpur
- Dhakuakhana College, Lakhimpur
- Barama College, Baksa
- Dakshin Kamrup College, Mirza
- Debraj Roy College, Golaghat
- Devi Charan Baruah Girls College, Jorhat
- Digboi College, Digboi
- Goalpara College, Goalpara
- Jawaharlal Nehru College, Boko
- Tinsukia College, Tinsukia

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *Some institutions may conduct (or consider) entrance exams for admission to degree courses in Zoology, which may require qualifying scores from students to get admission in the college/university.*

FEW TOP COLLEGES/UNIVERSITIES ABROAD THAT PROVIDE ZOOLOGY COURSES

- Imperial College London: UK
- Yale University: USA
- University College London: UK
- University of Cambridge: UK
- California Institute of Technology: USA
- Stanford University: USA
- ETH Zurich: Switzerland
- University of Oxford: UK
- National University of Singapore: Singapore
- Massachusetts Institute of Technology: USA
- Harvard University: USA
- University of California, Berkeley: USA
- University of Toronto: Canada
- University of California, Los Angeles: USA
- Kyoto University: Japan

Note: *This List is not exhaustive and does not indicate any preferred order or rankings of institutions.*

Note: *If one aims to study a degree in Zoology abroad, they will most likely have to provide TOEFL/IELTS (English proficiency) test scores, and SAT/ACT scores for bachelor's programs, and GRE scores for master's programs. Also required would be a Statement of Purpose (SOP) and Letters of Recommendation (LORs).*

Copyright © EnrichMyCareer

CAREER/PROFESSIONAL OPPORTUNITIES

KEY JOB ROLES

Field Biologist, Project Manager, Wildlife Biologist, Zoological Researcher, Animal Behaviorist, Wildlife Forensic Analyst, Conservation Scientist, Ecologist, Wildlife Rehabilitator, Zoo Curator, Wildlife Educator, Nature Interpreter, Zoological Illustrator, Zoological Photographer, Animal Nutritionist, Animal Trainer, Wildlife Filmmaker/Videographer, Veterinary Assistant, Ornithologist, Mammalogist, Zoological Museum Curator, Environmental Consultant, Marine Biologist, Entomologist, Herpetologist, Wildlife Geneticist, Zoological Garden Manager, Zoological Taxonomist, Zoological Physiologist, Junior Research Fellow, etc.

CAREER OR JOB PROSPECTS/WHERE CAN THEY WORK

IF EMPLOYED

PRIVATE COMPANIES/ENTITIES

- Wildlife Conservation Organizations
- Private Zoos
- Environmental Consulting Firms
- Academic Institutions
- Pharmaceutical Companies
- Biotechnology Companies
- Research Organizations
- Wildlife Filmmaking and Photography firms
- Private Museums
- Publishing and Media Houses
- Animal Breeding Facilities
- Animal Welfare Organizations
- Wildlife Rehabilitation Centers
- Wildlife Forensics Companies etc.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

GOVERNMENT OR PUBLIC BODIES

- Indian Forest Services
- Zoological Survey of India
- Wildlife Institute of India
- National Parks and Wildlife Sanctuaries
- Forest Survey of India
- Indian Council of Agricultural Research
- National Bureau of Animal Genetic Resources
- Government Colleges & Universities
- State & Central Fisheries Depts.
- Indian Institute of Science
- Council of Scientific & Industrial Research
- Central and State Pollution Control Boards
- Defense Research and Development Organization
- Government Museums
- State Animal Husbandry Depts.
- Biodiversity Conservation Agencies
- National Biodiversity Authority
- Wildlife Crime Control Bureaus
- Zoological Gardens
- PETA
- Institute for Stem Cell Science & Regenerative Medicine etc.

IN ASSAM

- Aaranyak
- Assam Forest Department
- Assam Biodiversity Board
- Kaziranga National Park
- Manas National Park
- Pobitora Wildlife Sanctuary
- Nameri National Park
- Assam State Zoological Park (Guwahati Zoo)
- Assam State Fisheries Department
- Assam Science and Technology University
- Assam Agricultural University
- Other Academic and Research Institutions

- Assam Pollution Control Board
- Assam Science and Technology Environment Council
- Assam State Disaster Management Authority
- Orang National Park and Tiger Reserve
- Deptt. of Animal Husbandry and Veterinary

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

IF SELF EMPLOYED/ENTREPRENEUR

Wildlife Rehabilitation Center, Ecotourism Venture, Environmental Consulting Firm, Animal Behavior Consulting, Wildlife Photography and Videography, Biological Research and Conservation, Bioinformatics Services, Wildlife Art and Crafts, Zoological Consultancy, Wildlife Rehabilitation Products etc.

KEY SKILLS REQUIRED

Scientific Thinking, Observation, Research, Monitoring, Data Analysis, Critical Thinking, Problem-Solving, Attention to Detail, Lab Techniques, Adaptability, Communication Skills, Collaboration, Animal Handling skills, Persistence, Conflict Resolution, Ethics & Integrity, Passion for Conservation and Environment etc.

REMUNERATION/SALARY (INDICATIVE)

- Fresh Graduates (0-2 years of experience): Rs. 15,000 - 30,000 per month.
- Early Career (3-5 years of experience): Rs. 30,000 - 60,000 per month.
- Mid-Career (6-10 years of experience): Rs. 50,000 - 1,20,000 per month.
- Experienced Professionals (11-15 years of experience): Rs. 80,000 - 2,00,000 per month.
- Highly Experienced Professionals (15+ years of experience): Rs. 1,40,000 - 4,00,000 per month.

Note: *The above salary ranges are approximate figures and can vary significantly based on factors such as the organization's sector (government, private, or non-profit), location, type of role/position, and the individual's qualifications, experience level and job responsibilities. Further, some organizations may offer additional benefits such as housing, travel allowances, or research grants among others.*

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

TOP RECRUITERS

- Wildlife Institute of India (WII)
- Zoological Survey of India (ZSI)
- Bombay Natural History Society (BNHS)
- Madras Crocodile Bank Trust
- Centre for Cellular and Molecular Biology (CCMB)
- Vikram Sarabhai Space Centre
- Kaziranga National Park
- Centre for Wildlife Studies
- World Wide Fund for Nature - India (WWF-India)
- Salim Ali Centre for Ornithology and Natural History (SACON)
- National Brain Research Centre (NBRC)
- Aaranyak
- Nandankanan Zoological Park
- Envirovigil
- Van Vihar National Park
- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
- Hariyo Ban Program
- Care Earth Trust
- Dachigam National Park
- Central Marine Fisheries Research Institute (CMFRI)
- Yayasan
- Nehru Zoological Park
- Bannerghatta Biological Park

GAP ANALYSIS

A gap analysis of a prospective career in Zoology in India involves examining the discrepancies between the current state of affairs and the desired state in terms of skills, knowledge, and competencies. Here's a detailed analysis:

1. Current State of Zoology Career in India

- Educational Pathways: Degrees in Zoology (B.Sc., M.Sc., and Ph.D.) are offered by numerous universities. Specializations include wildlife biology, entomology, marine biology, and conservation biology.
- Diverse Roles: Roles include research scientists, wildlife biologists, conservationists, zoologists in government and non-governmental organizations, animal care specialists, educators, and consultants.
- Regulatory Framework: Bodies like the University Grants Commission (UGC) and the Indian Council of Agricultural Research (ICAR) influence zoology education and research standards.
- Employment Opportunities: Available in research institutions, government agencies, environmental consultancies, zoos, museums, and educational institutions.
- Skill Requirements: Strong foundation in biological sciences, research skills, fieldwork proficiency, statistical analysis, and understanding of conservation principles.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

2. Desired State of Zoology Career in India

- Advanced Skill Sets: Professionals should possess skills in advanced research techniques, bioinformatics, ecological modeling, wildlife management, and molecular biology.
- Global Competency: Knowledge and skills that align with international research standards to contribute to global scientific advancements.
- Continuous Professional Development: Emphasis on ongoing learning, certification, and specialization to keep up with advancements in zoological research and conservation methods.
- Technological Proficiency: Proficiency in using digital tools for data analysis, remote sensing, GIS, and advanced laboratory techniques.
- Holistic Conservation Approach: Integration of holistic conservation methods, community engagement, and policy advocacy in zoological practices.

Copyright © EnrichMyCareer
Supported by: State Innovation and Transformation Aayog (SITA), Govt. of Assam

COPYRIGHT NOTICE

This entire Career Guidance Handbook and all its content therein including text, insights, research data, photos, images, tables, charts, templates, formats, layouts, and any form of information etc. are the intellectual property of EnrichMyCareer (M/s Needemy LLP). The use, reproduction, modification, distribution, sharing, or disclosure of this document (i.e. the Career Guidance Handbook), in whole or in part, without the express prior written permission of EnrichMyCareer is strictly prohibited. Infringement of this Copyright in any form by any organization, institution, or individual is not permitted.

This Handbook is created to be shared with or distributed to only the select beneficiaries (i.e. selected Higher Secondary and Degree Students) from the selected 20 Colleges of Assam considered under the concerned Project, supported by the State Innovation & Transformation Aayog (SITA), Govt. of Assam.