

# Detailed Career Roadmaps

## Engineering

- Stream: Science with PCM (Physics, Chemistry, Maths) in 11th-12th.
- Entrance Exams: JEE Main, JEE Advanced, State CETs.
- Degree: B.E/B.Tech (e.g., Computer, Mechanical, Civil, etc.).
- Post-Graduation: M.Tech via GATE or certifications.
- Career Paths: Software Engineer, Design Engineer, R&D, PSU jobs.
- Skills: Coding, Communication, Project Management, Domain knowledge.
- Resources: NPTEL, Coursera, GitHub, GATE Academy.

## Medical

- Stream: Science with PCB (Physics, Chemistry, Biology) in 11th-12th.
- Entrance Exam: NEET-UG.
- Degree: MBBS, BDS, BAMS, BHMS.
- Post-Graduation: MD/MS and super-specialty options.
- Career Paths: Doctor, Surgeon, Pathologist, Medical Officer.
- Skills: Biology knowledge, Empathy, Diagnostic skills.
- Resources: BYJU'S NEET, Aakash, Marrow, MedSimplified.

## Military

- Eligibility: 10th/12th pass or Graduation.
- Entry: NDA, CDS, Agnipath Scheme, SSR/MR (Navy).
- Training: NDA, IMA, OTA, Naval Academy.
- Roles: Soldier, Officer, Sailor, Airman, Pilot.
- Skills: Physical fitness, Leadership, Discipline.
- Resources: SSBCrack, Major Kalshi Classes, Official portals.

## **Arts**

- Stream: Arts in 11th-12th.
- Degrees: B.A (English, History, Psychology, etc.).
- Exams: CUET, UPSC (after graduation).
- Career Paths: Journalist, Writer, Historian, Civil Services.
- Skills: Communication, Writing, General Awareness.
- Resources: Unacademy, BYJU'S, Internshala.

## **Commerce**

- Stream: Commerce in 11th-12th.
- Degrees: B.Com, BBA, BMS.
- Professional Exams: CA, CS, CMA, CFA.
- Career Paths: Accountant, Banker, Analyst, Entrepreneur.
- Skills: Numerical Aptitude, Analytical Thinking.
- Resources: CAclubindia, Edu91, Investopedia.

## **Design**

- Stream: Any stream in 11th-12th.
- Degrees: B.Des, BFA, B.Sc (Animation, UX/UI, etc.).
- Exams: NIFT, NID, UCEED, CEED.
- Career Paths: Graphic Designer, UI/UX Designer, Animator.
- Skills: Creativity, Aesthetics, Adobe Suite, Figma.
- Resources: DesignX, Behance, Internshala.

## **Law**

- Stream: Usually Arts/Commerce.
- Degrees: 5-year BA LLB/BBA LLB, or 3-year LLB.
- Exams: CLAT, AILET, LSAT-India, SLAT.

- Career Paths: Lawyer, Legal Advisor, Judge, Public Prosecutor.
- Skills: Logical Reasoning, Drafting, Verbal Communication.
- Resources: Lawctopus, Bar & Bench, iPleaders.