If you're considering a career in medicine, your course selection should focus on building a strong foundation in biology, chemistry, and related subjects. Here's a roadmap of essential and recommended subjects, categorized by level and specialization:

**High School/Foundation Level (Prerequisite for Medicine)**

1. **Core Sciences**
   * Biology
   * Chemistry
   * Physics
2. **Mathematics**
   * Algebra and Calculus
3. **Additional Subjects**
   * English (critical for communication and exams like MCAT, NEET, etc.)
   * Psychology (optional but helpful for understanding patient behavior)

**Undergraduate Courses**

Many students pursue a **Pre-Med Track** or a Bachelor's in related fields such as:

1. **Biological Sciences**
   * Anatomy and Physiology
   * Molecular Biology
   * Genetics
2. **Chemistry**
   * Organic Chemistry
   * Biochemistry
3. **Physics**
   * Medical Physics (optional but valuable)
4. **Mathematics and Statistics**
   * Biostatistics (important for research and medical studies)
5. **Humanities (Optional but Useful)**
   * Medical Ethics
   * Sociology

**Core Subjects in Medical School**

1. **Basic Medical Sciences**
   * Anatomy
   * Physiology
   * Biochemistry
   * Pathology
   * Microbiology
   * Pharmacology
2. **Clinical Medicine**
   * Internal Medicine
   * Surgery
   * Pediatrics
   * Obstetrics and Gynecology
   * Psychiatry
3. **Specialty Electives**
   * Cardiology
   * Neurology
   * Dermatology
   * Orthopedics
4. **Public Health and Research**
   * Epidemiology
   * Preventive Medicine

**Recommended Electives (Based on Interests)**

* **Radiology** (for imaging-focused roles)
* **Oncology** (if interested in cancer treatment)
* **Emergency Medicine** (for fast-paced, critical care roles)
* **Genetics and Genomics** (for research-oriented roles)

**Additional Skills to Develop**

* **Communication and Interpersonal Skills**
* **Research and Data Analysis**
* **Clinical Skills (through internships and residencies)**

**Pathway and Entrance Exams**

1. **Entrance Exams**
   * NEET (India)
   * MCAT (USA)
   * UKCAT/BMAT (UK)
   * GAMSAT (Australia)
2. **Postgraduate Options**
   * Specializations after MBBS (e.g., MS, MD, DNB)
   * Research degrees (PhD in Medical Sciences)