

AFMC with NEET UG

Armed Forces Medical College, Pune | Selection, NEET syllabus and study plan

1. About AFMC

The Armed Forces Medical College (AFMC), Pune offers an MBBS degree and commissions graduates as officers in the Armed Forces Medical Services. Admission is not through NEET rank alone. NEET UG is the first stage, followed by AFMC's own screening.

2. Selection Process

Stage	What happens
1. NEET UG	Qualify NEET UG for the admission year (max 720). Mandatory.
2. Shortlisting	About 2,000 candidates are shortlisted by NEET merit and called to AFMC Pune.
3. ToELR	Test of English Language, Comprehension, Logic and Reasoning (max 80 marks).
4. PAT	Psychological Assessment Test (computer based). Qualifying in nature.
5. Interview	50 marks. Personality, communication, general awareness, motivation.
6. Medical and merit list	Final merit = (NEET + ToELR) / 4 (max 200) + interview (max 50) = 250 marks, subject to medical fitness.

3. Quick Facts

Item	Details
Seats (2026 cycle)	145 Indian cadet seats (115 boys, 30 girls), plus a few foreign-sponsored seats
Age	At least 17 at admission and below 24 on 31 December of the admission year
Qualification	Class 12 with Physics, Chemistry, Biology and English; students awaiting results can apply
Service bond	A bond amount and service liability apply (the 2026 brochure mentions a bond of about Rs 71 lakh and 7 years of service). Check the current brochure.

4. ToELR and Interview Preparation

- **English:** comprehension, grammar, vocabulary, sentence correction.
- **Logic and reasoning:** series, analogies, syllogisms, coding-decoding, blood relations, data sufficiency.
- **Interview:** know your background, why you want to be a doctor in uniform, current affairs, defence and medical news.
- **Daily:** 30 minutes of reasoning practice and 20 minutes of newspaper reading.
- **Fitness:** run, push-ups and stretching. Good health and fitness help in the medical and in training.

NEET UG Syllabus (Class 11 and 12 NCERT)

Subject	Class 11	Class 12
Physics (180 marks)	Units and measurements, motion in a straight line, motion in a plane, laws of motion, work-energy-power, rotational motion, gravitation, properties of solids and fluids, thermal properties, thermodynamics, kinetic theory, oscillations, waves	Electrostatics, capacitance, current electricity, moving charges and magnetism, magnetism and matter, EMI, alternating current, EM waves, ray and wave optics, dual nature of matter, atoms, nuclei, semiconductors
Chemistry (180 marks)	Basic concepts, atomic structure, periodic table, chemical bonding, thermodynamics, equilibrium, redox, basic organic chemistry, hydrocarbons	Solutions, electrochemistry, chemical kinetics, p-block, d- and f-block, coordination compounds, haloalkanes and haloarenes, alcohols, phenols and ethers, aldehydes, ketones and acids, amines, biomolecules
Biology (360 marks: Botany 180, Zoology 180)	Diversity of living world, structural organisation in plants and animals, cell structure and function, plant physiology, human physiology	Reproduction, genetics and evolution, biology and human welfare, biotechnology, ecology and environment

Follow the latest NTA information bulletin for the exact chapter list.

NEET UG Exam Pattern

Item	Details
Questions	180 (Physics 45, Chemistry 45, Biology 90)
Marks	720 (+4 for correct, -1 for wrong)
Duration	3 hours 20 minutes, pen-and-paper
Frequency	Once a year, usually in May

NEET Preparation Timetable

For a Class 12 pass-out or repeater: 8 to 10 hours a day.

Time	Activity
5:30-6:30 AM	Exercise or run (needed for the service selection later)
7:00-10:00 AM	Biology: NCERT line by line, diagrams, tables
10:30 AM-1:00 PM	Physics: concepts plus numericals
2:30-5:00 PM	Chemistry: physical, organic, inorganic in rotation
5:30-7:00 PM	MCQ practice from the day's chapters
8:00-9:00 PM	Revision of notes, formulas, reactions
9:00-9:30 PM	Mistake notebook, plan for tomorrow

Saturday: Subject test and weak chapters.

Sunday: Full NEET-pattern mock (3 hrs 20 min), then 3 hours of analysis.

12-Month Plan

Months	Plan
1-5	Complete the entire syllabus once: NCERT Biology first (it carries 360 marks), then Chemistry, then Physics. Chapter tests weekly.
6-8	Second round with high-volume MCQs. Previous year NEET papers (10 years). Start full mocks every week.
9-10	Two mocks a week. Revise NCERT Biology twice, organic reactions, physics formulae.
11-12	Mocks, revision only, and light daily exercise. No new topics in the last 3 weeks.

2-Year Plan (Class 11 and 12 students)

Period	Plan
Class 11	Study each chapter along with school. Do 30 to 50 MCQs per chapter. Monthly test.
Class 12 (to boards)	Finish Class 12 syllabus, revise Class 11. Balance board exams, with NEET practice.
After boards	Full-length mocks, 10 years of papers, and daily revision.

NEET Tips

- NCERT Biology is the base. Read it until you can recall every table and diagram.
- Biology accuracy decides the rank: aim for 320+ out of 360.
- Negative marking is -1, so avoid wild guesses; attempt only when you can remove two options.
- Analyse each mock for at least as long as you took to attempt it.

AFMC Add-on (alongside NEET)

- Add 45 minutes daily for ToELR (English and logic), starting 3 months before the exam.
- Read news and one editorial each day to build interview confidence.
- Take a mock interview with a teacher or senior once you are close to the NEET result.