

AP ECET 2025 Chemical Engineering Syllabus

Candidates can examine the whole curriculum from the table below if they are preparing for the AP ECET Chemical Engineering.

AP ECET 2025 Chemical Engineering Units

AP ECET Topics

Unit 1

Material technology

Unit 2

Chemical process principles

Unit 3

Organic Chemical Technology

Unit 4

Inorganic Chemical Technology

Unit 5

Fluid mechanics

Unit 6

Heat transfer

Unit 7

Mechanical unit operations

Unit 8

Thermodynamics and Reaction Engineering

Unit 9

Mass Transfer

Unit 10	Instrumentation and process control
Unit 11	Environmental Studies and Pollution Control Engineering
Unit 12	Energy Technology and Plant Operation

AP ECET Civil Engineering 2025 Syllabus

Candidates must check out the subjects and subtopics to study for the Chemical engineering exam through the syllabus provided below -

AP ECET 2025 Civil Engineering UnitsAP ECET Topics

Units 1 and 2	Strength of Materials
Unit 3	Theory of Structures
Units 4 and 5	Reinforced Concrete Structures
Unit 6	Surveying
Units 7 and 8	Hydraulics
Units 9 and 10	Irrigation Engineering

AP ECET Computer Science and Engineering Syllabus 2025

If candidates are studying for the AP ECET Computer Science Engineering, they can check the detailed AP ECET 2025 CSE Syllabus from the table below.

AP ECET 2025 Computer Science and Engineering Units**AP ECET Topics**

Unit 1	Digital Electronics
Unit 2	Software Engineering
Unit 3	Computer Organisation and Microprocessors
Unit 4	Data structures through C
Unit 5	Computer Networks
Unit 6	Operating Systems
Unit 7	DBMS
Unit 8	Object Oriented Programming through C++
Unit 9	Java Programming
Unit 10	Web Technologies

AP ECET 2025 Electronics & Communication Engineering Syllabus

Candidates can check the Electronics & Communication Engineering Syllabus from the below table.

AP ECET ECE 2025 Units**AP ECET Topics**

Unit 1	Electronic Devices And Circuits
Unit 2	Circuit Theory
Unit 3	Electronic Measuring Instruments And Audeo &Video Systems
Unit 4	Industrial And Power Electronics
Unit 5	Communication Systems
Unit 6	Advanced Communication Systems
Unit 7	Digital Electronics
Unit 8	Microcontrollers And Microprocessors
Unit 9	Audio Video Systems
Unit 10	Data Communications And Computer Networks

AP ECET 2025 Electrical and Electronics Engineering Syllabus

Candidates can examine the entire syllabus from the table below if they are preparing for the AP ECET Electrical and Electronic Engineering.

AP ECET 2025 EEE Units

Topics

Unit 1	Basic Electrical Engineering
Unit 2	D.C. Machines, Batteries & Measuring instruments

Unit 3	A.C. Circuits and Transformers
Unit 4	A.C Machines
Unit 5	Power System generation & Protection
Unit 6	Transmission and Distribution
Unit 7	Electric traction
Unit 8	Electrical Estimation
Unit 9	Basic electronics and digital electronics
Unit 10	Power Electronics and Microcontroller

AP ECET 2025 Electronics & Instrumentation Engineering Syllabus

Candidates who are going to appear for AP ECET Electronics and Instrumentation Engineering must check the units and the subtopics from the table below -

AP ECET EIE 2025 Units	AP ECET Topics
Unit 1	Electrical engineering
Unit 2	Industrial Electronics & Control Engg
Unit 3	Electronics
Unit 4	Digital Electronics

Unit 5	Electronic Measuring Instruments
Unit 6	Process Instrumentation
Unit 7	Process Control
Unit 8	Communication & Linear IC applications
Unit 9	Analytical & Biomedical Instrumentation
Unit 10	Microcontrollers & PLC's

AP ECET 2025 Mechanical Engineering Syllabus

Candidates who are going to appear for AP ECET Mechanical Engineering must check the units and the subtopics from the table below

AP ECET 2025 Mechanical Engineering Units

AP ECET Topics

Unit 1	Workshop Technology and Conventions in Drawing
Unit 2	Production Technology and Computer Aided Manufacturing Systems
Unit 3	Engineering Materials and Solid Mechanics
Unit 4	Theory of Machines and Design of Machine Elements
Unit 5	Thermodynamics and Heat Power Engineering

Unit 6	Hydraulics and Fluid Power Systems
Unit 7	Steam Boilers, Nozzles, Turbines and Condensers
Unit 8	Refrigeration and Air Conditioning
Unit 9	Industrial Management and Engineering
Unit 10	Energy Sources and Power Plant Engineering

AP ECET Metallurgical Engineering Syllabus 2025

Candidates must examine the units and subtopics from the table below before taking the AP ECET Metallurgical Engineering exam -

AP ECET 2025 Metallurgical Engineering Unit

AP ECET Topics

Unit 1	Elementary Principles Of Metallurgy
Unit 2	Fuels, Refractories And Pyrometry
Unit 3	Metallurgical Thermodynamics
Unit 4	Physical Metallurgy
Unit 5	Heat Treatment Technology
Unit 6	Ferrous Extractive Metallurgy

Unit 7	Non-Ferrous Extractive Metallurgy
Unit 8	Material Testing
Unit 9	Mechanical Metallurgy
Unit 10	Foundry Technology
Unit 11	Welding Technology

AP ECET Mining Engineering 2025 Syllabus

The table below contains a full syllabus for the AP ECET mining engineering.

AP ECET 2025 Mining Engineering Units

AP ECET Topics

Unit 1	Elements Of Mining
Unit 2	Fundamentals Of Geology
Unit 3	Underground Coal Mining Methods
Unit 4	Underground Metal Mining Methods
Unit 5	Mine Environmental Engineering – 1
Unit 6	Mine Hazards And Rescue
Unit 7	Mine Surveying

Unit 8	Mining Machinery
Unit 9	Surface Mining And Rock Mechanics
Unit 10	Mining Legislation, Safety And Mangement

AP ECET 2025 Biotechnology Syllabus

Candidates who are going to appear for AP ECET Biotechnology must check the units and the subtopics from the table below -

AP ECET 2025 Biotechnology Units	AP ECET Topics
Unit 1	Basic Industrial Biotechnology
Unit 2	Bio-Physics
Unit 3	Genetics and Cell Biology
Unit 4	Microbiology
Unit 5	Bio-Reactor Engineering
Unit 6	Molecular Biology - Genetic Engineering
Unit 7	Plant Bio-Technology
Unit 8	Animal Bio- Technology
Unit 9	Bio-Informatics

AP ECET Ceramic Technology Syllabus 2025

Candidates can examine the entire syllabus from the table below if they are preparing for the AP ECET Ceramic Technology.

AP ECET 2025 Ceramic Technology Units

AP ECET Topics

Unit 1	Ceramic Raw Materials
Unit 2	White Ware & Heavy Clay Ware
Unit 3	Refractories
Unit 4	Glass Technology
Unit 5	Cement Technology
Unit 6	Fuels, Furnaces & Pyrometry
Unit 7	Advanced Ceramics
Unit 8	Ceramic Science

Best Books for AP ECET 2025

Candidates appearing for the AP ECET 2025 exam must select the appropriate study materials in order to prepare for the AP ECET 2025 exam. There are plenty of study materials available in the market for AP ECET 2025 and candidates must be careful while choosing the best books for AP ECET 2025. It is necessary for the candidates to ensure that the AP ECET 2025 best books comprise enough sample questions for practice.

