



National Institute of
Technology Calicut
(An Institute of National Importance)



ADVANCING
SUSTAINABLE SOLUTIONS
THROUGH CHEMICAL ENGINEERING
RESEARCH

Department of Chemical Engineering

Ph.D. ADMISSIONS

WINTER SEMESTER (DECEMBER) 2026-27

RESEARCH | INNOVATION | SOCIETY

TOTAL SEATS: 09

Institute Fellowship - Scheme I

OPEN

03

OBC

01

SC

01

SC-PwD

01

ST

01

EWS

01

EWS-PwD

01

SELECTION & APPLICATION



Selection Process:
Written Test & Interview
by the Department



For More Information:

nitc.ac.in/departments/chemical-engineering



IMPORTANT DATES



Activation of website for
submission of online application

6 October 2026
(10:00 AM)



Last date for submission of
completed application form
through online

27 October 2026
(10:00 AM)



Selection process for shortlisted
candidates (Online Mode)

23 - 27 November 2026
(Tentative)



Date of Admission and Reporting
for the programme

17 December 2026
(Tentative)

FULL-TIME SCHEME ELIGIBILITY

Applications are invited from highly motivated and enthusiastic students with the following qualifications:



M.Tech / Integrated M.Tech /
Dual Degree M.Tech

Chemical Engineering and related
Engineering and Technology disciplines,
including Petrochemical/Petroleum /
Energy / Environmental /Biotechnology /
Biochemical/Food Technology/Materials
Science /Polymer Science/Civil Engineering/
Mechanical Engineering/Electronics &
Instrumentation.

GATE SCORE NOT MANDATORY



B.Tech / B.E. / AMIE

Relevant allied branches, including
Chemical Engineering, Materials Science,
Thermal Engineering, Metallurgy, Applied
Electronics, Instrumentation and Control.

GEN / OBC / EWS: 7.5 CGPA or 75% marks

SC / ST / PwD: 7.0 CGPA or 70% marks

GATE SCORE MANDATORY



M.Sc.

Chemistry, Physics, Mathematics or
other relevant disciplines aligned with
the major research areas of Chemical
Engineering.

**GATE / NET / EQUIVALENT NATIONAL
ENTRANCE EXAMINATION REQUIRED**

Scheme II - Self-Sponsored PhD Programme is also available.

Scholars will not receive any fellowship or stipend from the Institute but may seek external funding opportunities.

MAJOR RESEARCH AREAS



Energy Production
& Storage



CO₂
Sequestration



Biomass to
Value-Added Products



Membranes for
Resource Recovery



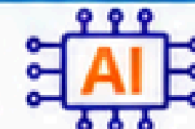
Critical Minerals from
Secondary Resources



Food Packaging
& Bioactives



Downstream Processing
& Waste Management



Process Control
& AI/ML

DEPARTMENT HIGHLIGHTS



PhD stipend and
contingency as per
institute norms



Research with
experienced faculty
cutting-edge
technologies



Work on industrially
relevant and socially
aligned problems



State-of-the-art research
with advanced instruments,
facilities and simulation
software



Vibrant, green campus
fostering academic and
research excellence
and well-being.



SCAN TO APPLY

Apply through the official portal:

research.nitc.ac.in/login

