



KR ARTS AND SCIENCE COLLEGE

உள்ளூவதெல்லாம் உயர்வுள்ளல்

Run by KR Educational and Charitable Trust

[Affiliated to Madurai Kamaraj University]

B.Sc. CHEMISTRY

Exploring Matter. Creating the Future.

Admission Open



From Atoms to Innovation

Build Your Future in Science

B.Sc. CHEMISTRY

EXPLORE. EXPERIMENT. EXCEL.

Understanding the **Science**
that Shapes **Our World**



ABOUT THE COURSE

The B.Sc. Chemistry program provides a comprehensive understanding of the composition, structure, properties, and transformations of matter. It combines theoretical knowledge with hands-on laboratory training to develop scientific skills, analytical thinking, and research capabilities.

What You'll Study



Organic Chemistry

Structure & reactions of carbon compounds



Inorganic Chemistry

Elements, compounds & coordination chemistry



Physical Chemistry

Thermodynamics, kinetics & quantum chemistry



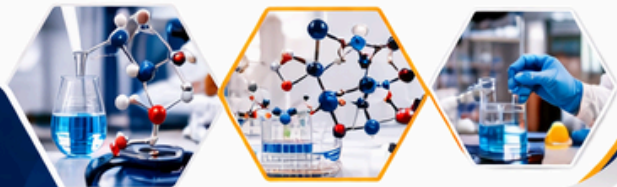
Analytical Chemistry

Qualitative & quantitative analysis techniques



Environmental & Industrial Chemistry

Real-world applications & sustainability



OUR VISION

To be a center of excellence in chemical education, research, and innovation, empowering students to contribute to scientific advancement and the betterment of society.



Excellence
in Education



Innovation
& Research



Service to
Society



OUR MISSION



Provide Quality Education

Delivering strong theoretical & practical knowledge in all branches of Chemistry



Promote Scientific Temper

Encouraging curiosity, experimentation, and research mindset



Develop Skills & Competence

Enhancing analytical, technical, and problem-solving abilities



Prepare for Global Opportunities

Empowering students for careers in industry, academia & research



Uphold Values & Responsibility

Instilling ethics, safety, and environmental awareness in scientific practice

CHEMISTRY – THE SCIENCE OF **CHANGE**, THE POWER OF **DISCOVERY**.



SKILL DEVELOPMENT

Core Skills

- ✓ Analytical & Problem-Solving
- ✓ Lab Techniques & Instrumentation
- ✓ Chemical Analysis & Spectroscopy
- ✓ Research & Experimental Design
- ✓ Data Interpretation & Reporting

Technical Skills

- ✓ Chromatography (HPLC, GC)
- ✓ Titration & Quality Testing
- ✓ Scientific Software

Soft Skills

- ✓ Communication & Presentation
- ✓ Teamwork & Collaboration
- ✓ Critical Thinking
- ✓ Time Management



INTERNSHIP OPPORTUNITIES

Internship Areas

-  Pharma & Biotech Companies
-  Chemical & Petrochemical Industries
-  R&D Laboratories
-  Environmental Labs
-  Food & Safety Units

Benefits

- ✓ Hands-On Experience
- ✓ Modern Equipment
- ✓ Live Projects
- ✓ Industry Networking



HIGHER STUDIES OPTIONS



CAREER OPPORTUNITIES

Job Roles

-  Chemist
-  Quality Control Analyst
-  Lab Technician
-  Research Assistant
-  Forensic Scientist
-  Pharmacist

Industry Sectors

-  Pharmaceutical Industry
-  Chemical Manufacturing
-  Food & Beverage Industry
-  Environmental Agencies
-  Research Institutions



M.Sc.
Chemistry



MBA (Pharma /
Management)



B.Ed / Teaching



Competitive
Exams



★ Why Choose Our College



Experienced Faculty



Well-Equipped Laboratories



Placement Assistance



Industrial Visits



Guest Lectures & Seminars



Special Features



Hands-on Lab Training



Project-Based Learning



Soft Skills Development



Career Guidance Programs



Documents Required

✓ 10th Mark Sheet (Copy)

✓ 12th Mark Sheet (Copy)

✓ Transfer Certificate

✓ Community Certificate (if applicable)



Passport Size Photos



Contact for Admission



Website: www.krcolleges.in



Phone: +91 8072297109



Address:

P. Thambipatti, Peraiyur TK,
T. Kallupatti, Madurai - 625 703



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