

UMT | SSC

School of Science



**DISCOVER THE
SCIENCE OF SUCCESS**

Admissions | 2026

Introduction

The School of Science at University of Management and Technology is dedicated to excellence in scientific education, research, and innovation. The school offers high-quality undergraduate, graduate, and doctoral programs in disciplines including Mathematics, Physics, Chemistry, Biotechnology, and Biochemistry. With a strong emphasis on academic rigor, critical thinking, and applied scientific knowledge, SSC prepares students to become future researchers, educators, scientists, and industry professionals.

The school promotes a research-driven and intellectually stimulating environment supported by qualified faculty members, modern laboratories, and interdisciplinary collaboration. SSC is committed to producing graduates who can contribute effectively to scientific advancement, technological innovation, and national development.

DEAN'S MESSAGE

“ Welcome to the School of Science at the University of Management and Technology (UMT), where curiosity meets innovation and knowledge transforms into impact. At the School of Science, we are committed to providing quality education, advanced research opportunities, and an intellectually stimulating environment that prepares students to excel in an increasingly dynamic and technology-driven world. Our diverse academic programs are designed to build strong scientific foundations while fostering critical thinking, creativity, and problem-solving skills. Through dedicated faculty, modern laboratories, and a culture of research and innovation, we strive to nurture future scientists, researchers, and professionals who can contribute meaningfully to society and global scientific advancement. We invite you to join us in this exciting journey of learning, discovery, and excellence, and become part of a vibrant academic community shaping the future of science. ”

DR MUHAMMAD IMRAN JAMIL
DEAN SCC



Why Choose SSC?

- Comprehensive science programs aligned with modern scientific and industrial needs
- Highly qualified and research-active faculty
- Strong emphasis on analytical, computational, and experimental skills
- Modern laboratories and research facilities
- Research-focused learning environment
- Opportunities for internships, COOP, projects, and scientific collaboration
- Student participation in seminars, conferences, and competitions
- Interdisciplinary and applied learning approach
- Academic mentoring and career guidance
- Pathways toward higher studies, research careers, and industry opportunities



Ranking

**Department of Mathematics ranked
501-600 in QS world ranking 2025 and 2026**

Key Features

- Undergraduate, graduate, and doctoral programs
- Variety of scholarships
- Internships and COOP opportunities in industry
- Research-oriented curriculum and academic culture
- Experienced faculty with national and international exposure
- State-of-the-art laboratories and scientific equipment
- Focus on innovation, problem-solving, and critical thinking
- Outcome-Based Education (OBE) approach
- Interdisciplinary scientific research opportunities
- Scientific seminars, workshops, and conferences
- Student-centered academic environment
- Strong focus on professional and research development



Career Outcomes & Industrial Linkages

Graduates from SSC pursue successful careers in academia, research organizations, biotechnology industries, healthcare laboratories, education, data science, pharmaceuticals, environmental sciences, and technology sectors. Many graduates continue higher studies and research at reputable national and international universities.

The school encourages collaboration with industry and research institutions through internships (COOP program), industrial visits, joint projects, seminars, and professional networking opportunities.

Potential Areas of Collaboration

- Biotechnology and pharmaceutical industries
- Research laboratories and scientific organizations
- Educational institutions and universities
- Data analytics and computational research sectors
- Environmental and healthcare organizations

The “Applied” Learning Experience

SSC emphasizes practical and applied learning through:

- Laboratory experimentation and scientific analysis
- Research projects and thesis work
- Computational and analytical AI problem-solving
- Capstone projects and field-based learning
- Scientific presentations and poster competitions
- Internship and industrial exposure opportunities
- Participation in conferences, workshops, and research activities
- Collaborative learning and interdisciplinary projects

This hands-on academic approach enables students to connect theoretical concepts with practical scientific applications.

Notable Research / Research Breakthroughs

SSC promotes high-impact research in emerging and interdisciplinary scientific fields. Faculty members and students actively contribute to scientific knowledge through publications, conferences, collaborative research, and innovation-driven projects.

Research Areas Include

- Pure and Applied Mathematics
- Mathematical Modeling and Computational Sciences
- Biotechnology and Molecular Research
- Biochemistry and Biomedical Sciences
- Environmental and Chemical Sciences
- Physics and Applied Scientific Research

Faculty and students regularly participate in national and international conferences, publish research articles, and engage in collaborative scientific activities.

KEY STATISTICS

- Multiple BS, MS, and PhD programs in science disciplines
- Highly qualified and experienced faculty having international exposure
- Active student research participation
- Internships and COOP opportunities in industry
- Modern teaching and laboratory facilities
- Growing alumni network serving in academia, research, and industry



Life Beyond the Classroom

SSC provides a vibrant academic environment that encourages students to grow intellectually, socially, and professionally beyond the classroom.

Student Engagement Activities

- Scientific societies and student clubs
- Research seminars and workshops
- Science exhibitions and competitions
- Community outreach and awareness activities
- Sports, cultural, and recreational events
- Leadership and professional development programs
- Career counseling and mentoring sessions
- Collaborative and interdisciplinary student activities

The school promotes creativity, teamwork, leadership, and lifelong learning through diverse extracurricular and co-curricular experiences.



ALUMNI TESTIMONIAL

“ I chose UMT because of its strong research-oriented environment, which aligned perfectly with my passion for exploring new ideas and concepts. My favorite memory is spending time with friends at the campus café, where meaningful conversations created lasting bonds. UMT prepared me for my professional journey by building my research, critical thinking, and practical skills through hands-on exposure, mentorship, and industry-focused opportunities. ”



Abdul Manan Javed

Assistant Microbiologist, Punjab
Food Authority
(BS Biotechnology, 2025)

STUDENT TESTIMONIAL

“Studying at UMT has been an inspiring journey of learning and growth. The supportive faculty, modern chemistry labs, and my memorable achievement of presenting at an international conference have strengthened my confidence, research exposure, and professional skills.”



Muhammad Ameen
(BS Chemistry, S2023-2027)

Programs Offered

Undergraduate Programs

- BS Physics (Specialization in)
 - Artificial Intelligence
 - Data Science
 - Industrial Electronics
- BS Chemistry (Specialization in)
 - Artificial Intelligence and Data
 - Science in Chemistry
 - Sustainable Environmental
 - Chemistry
- BS Mathematics (Specialization in)
 - Artificial Intelligence
 - Data Science
 - Cyber Security
 - Accounting and Finance

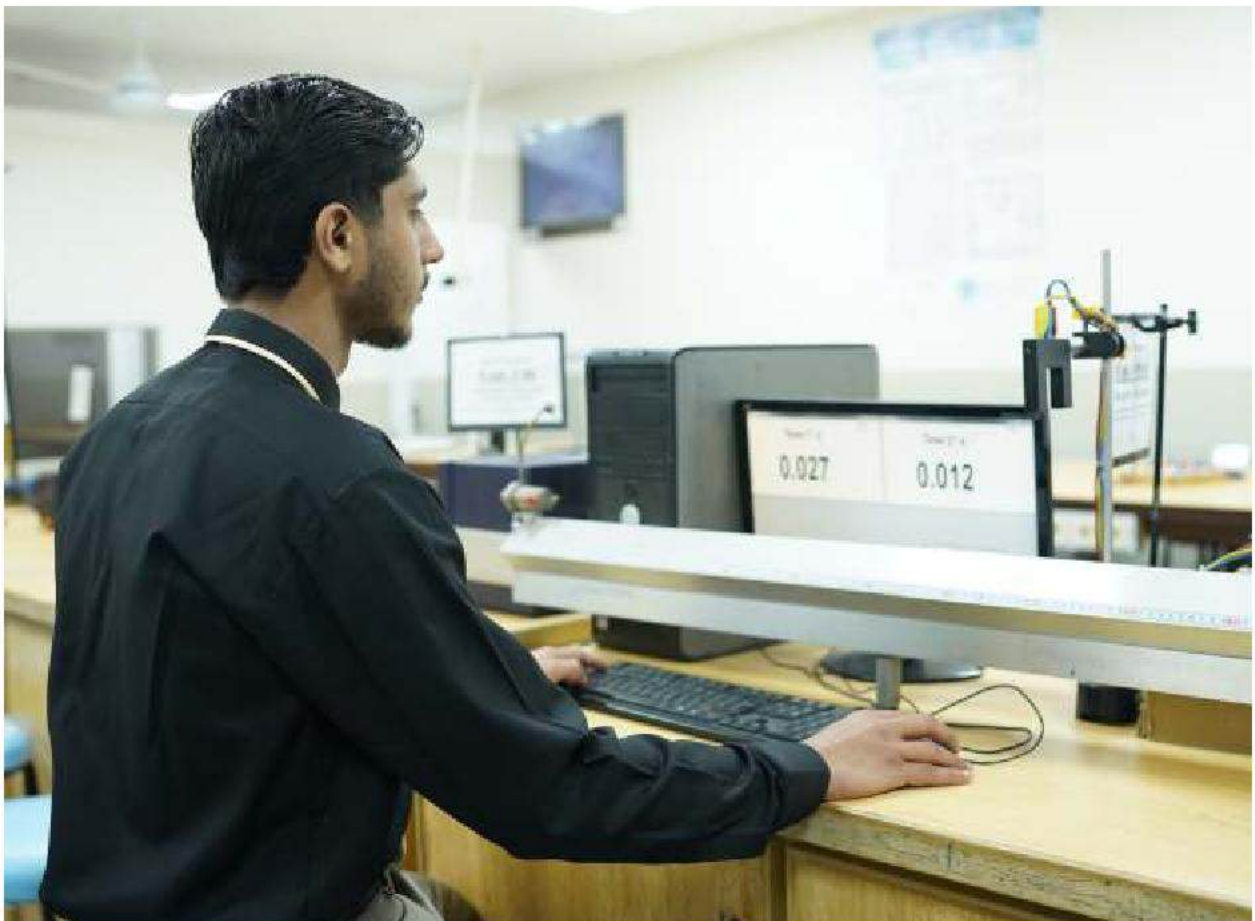
- BS Biotechnology
- BS Biochemistry
- BS Microbiology

Graduate Programs

- MS Mathematics (Regular/Weekend)
- MS Chemistry (Regular/Weekend) - 2 years
- MS Physics - 2 years
- MS Biochemistry
- MS Biotechnology

PhD Programs

- PhD Physics
- PhD Chemistry
- PhD Mathematics
- PhD Biosciences



Admission Criteria

Program Name	Minimum Required Qualification	Minimum Requirement
BS Biochemistry	A Level/ FSc or Equivalent with Chemistry & Biology	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Biotechnology	A Level/ FSc or Equivalent with Chemistry & Biology	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Chemistry	A Level/ FSc or Equivalent with Chemistry	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Mathematics	A Level/ FSc or Equivalent with Math's	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Physics	A Level/ FSc or Equivalent with Physics	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Microbiology	A Level/ FSc or Equivalent in Bio and Chem	Minimum 45% Marks and no 3rd division in Matriculation + Minimum 50% marks in admission Test
BS Biochemistry – Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc
BS Biotechnology – Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc
BS Chemistry – Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc
BS Mathematics – Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc
BS Microbiology – Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc

Program Name	Minimum Required Qualification	Minimum Requirement
BS Physics - Post ADP/BSc	Relevant ADP / BSc Program	Minimum 2.00 CGPA or 45% marks in case of annual system ADP/BSc with relevant discipline (Biological Sciences, Genetics, Botany, Zoology, Microbiology or equivalent subject) with minimum of 60 credit hours + Min 50% marks in FSc
MS-Mathematics	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
MS-Mathematics (Weekend)	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
MS-Physics	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
MS-Chemistry	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
MS-Biochemistry	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
MS-Biotechnology	4-year Bachelor or Equivalent degree in relevant discipline	16 years qualification with minimum 2.0 out of 4.0 CGPA or 50% marks in case of annual system + Minimum 50% marks in GAT or UGAT + Interview
PhD-Mathematics	MS/M.Phil. or 18 years of relevant qualification	18 years qualification with minimum 3.0 out of 4.0 CGPA or (First division) 60% Marks in MS/M.Phil. + 60% Marks in GAT or 70% UGAT + Interview
PhD-Physics	MS/M.Phil. or 18 years of relevant qualification	18 years qualification with minimum 3.0 out of 4.0 CGPA or (First division) 60% Marks in MS/M.Phil. + 60% Marks in GAT or 70% UGAT + Interview
PhD-Chemistry	MS/M.Phil. or 18 years of relevant qualification	18 years qualification with minimum 3.0 out of 4.0 CGPA or (First division) 60% Marks in MS/M.Phil. + 60% Marks in GAT or 70% UGAT + Interview
PhD Bio-Sciences	MS/M.Phil. or 18 years of relevant qualification	18 years qualification with minimum 3.0 out of 4.0 CGPA or (First division) 60% Marks in MS/M.Phil. + 60% Marks in GAT or 70% UGAT + Interview



Lahore Campus:

Main Campus, UMT Road, C-II Johar Town, Lahore, Pakistan.
Tel: +92 42 35212801-10, email: admissions@umt.edu.pk

SHS Campus:

72-A Raiwind Rd, Dubai Town, Lahore.
Tel: +92 42 35212801-10, email: admissions@umt.edu.pk

Sialkot Campus:

21-A, Small Industrial Estate, Shahabpura Road, Sialkot.
Tel: +92 52 3256964, +92 52 3241801-10
Email: info@skt.umt.edu.pk, web: skt.umt.edu.pk

UAN: 042 111 868 868, Website: www.umt.edu.pk

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