

# UMT | SEN

School of Engineering



**ENGINEER YOUR  
OWN FUTURE**

**Admissions | 2026**





## Introduction

The School of Engineering (SEN) is one of the most important Schools at UMT, and has the mandate to offer Engineering and related programs at both the undergraduate and graduate levels. The current portfolio of SEN programs consists of the most important engineering programs, such as Civil, Computer, Electrical and Mechanical Engineering, as well as programs catering to the emerging fields of Computer Systems, Construction Management, Information Engineering Technology, and Robotics and Intelligent Systems.

## DEAN'S MESSAGE

“At the School of Engineering, we believe that the world runs on engineering, and we strive to produce graduates who are not only capable of solving complex engineering problems to cater to dynamic societal needs, but are also lifelong learners who can easily navigate the fast evolving technological landscape in an ethical manner.”

**DR MUHAMMAD FARHAT KALEEM**  
ACTING DEAN, SEN





## Why Choose SEN?

- All engineering programs accredited by Pakistan Engineering Council at Level 2 of the Washington Accord.
- Well-equipped laboratories catering to all SEN disciplines.
- Curricula of all programs regularly updated to incorporate latest trends in the fast-changing technology landscape.
- Fully implemented Outcome Based Education (OBE) system.
- Placement of graduates both locally and internationally.



## Accreditations / Memberships



All engineering programs are accredited by Pakistan Engineering Council at Level 2 of the Washington Accord



## The "Applied" Learning Experience

- Curricula of all SEN programs have practical component embedded in them.
- Well-equipped labs where students apply the theory they learn in the classroom.
- A compulsory Capstone Design Project spanning a whole year represents application of the students' knowledge to complex engineering problems.



## Life Beyond the Classroom

- Vibrant student body, with student societies catering to all programs.
- Regular events held, organized by students themselves.
- Final Year Project Expo held every year.
- TechFiesta, a major technical event with participation of students from universities all over the country is now in its 3rd year.



## Notable Research / Research Breakthroughs

In 2026, SEN faculty were awarded one of the only 149 funded projects awarded by Higher Education Commission of Pakistan all over Pakistan under the National Research Program for Universities (NRPU) scheme. The total amount of the funding is PKR 18.7 million over a period of 2 years. The project is titled "Developing a Prostate Cancer Histopathology Slide Images Dataset and an AI-Based Diagnostic Software Tool for Prostate Cancer Grading, and Perineural Invasion Detection".



## KEY STATISTICS

A student body of

**600**

and growing

More than

**40**

highly qualified faculty

**25**

dedicated labs in the  
SEN building

## ALUMNI TESTIMONIAL

“ My journey at UMT built a strong foundation in CAD and engineering analysis. It helped me develop practical skills and the confidence to explore freelancing. I began my career as a freelancer in mechanical engineering, where I built my expertise. With that experience, I later established FusionWave. ”

(MECHANICAL ENGINEERING, 2019)

**HASEEB-UL-HASSAN**

CEO, FUSIONWAVE  
(PRIVATE) LIMITED





# STUDENT TESTIMONIAL

“My Bachelor’s in Electrical Engineering at UMT has been transformative, combining exceptional faculty mentorship with hands-on experience in advanced electronics, power systems, embedded systems, and robotics. Hosting and attending technical events further strengthened my technical, communication, and management skills, shaping me into a confident emerging engineer.”

**SAMIULLAH WATTOO**

SEN, 2027



## Programs Offered

### Undergraduate Programs

- BS Civil Engineering
- BS Computer Engineering
- BS Electrical Engineering
- BS Mechanical Engineering
- BS Computer Systems
- BS Construction Management
- BS Robotics and Intelligent Systems
- BS Biomedical Engineering Technology
- BS Information Engineering Technology

### Graduate Programs

- MS Civil Engineering
- MS Electrical Engineering
- MS Engineering Management
- MS Mechanical Engineering
- MS Robotics and Intelligent Systems

### PhD Programs

- PhD Mechanical Engineering



## Admission Criteria

| Program Name                                   | Minimum Required Qualification                                                                                                                                                              | Minimum Requirement                                                                                                                                                                                                      |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS Civil Engineering                           | F. Sc Pre-Engineering /Pre-Medical/ICS with Mathematics, Physics, Computer science/DAE/ A-Level or equivalent                                                                               | Minimum 60% Marks and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                                            |
| BS Electrical Engineering                      | F. Sc Pre-Engineering /Pre-Medical/ICS with Mathematics, Physics, Computer science/DAE/ A-Level or equivalent                                                                               | Minimum 60% Marks and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                                            |
| BS Mechanical Engineering                      | F. Sc Pre-Engineering /Pre-Medical/ICS with Mathematics, Physics, Computer science/DAE/ A-Level or equivalent                                                                               | Minimum 60% Marks and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                                            |
| BS Computer Engineering                        | F. Sc Pre-Engineering /Pre-Medical/ICS with Mathematics, Physics, Computer science/DAE/ A-Level or equivalent                                                                               | Minimum 60% Marks and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                                            |
| BS Robotics and Intelligent Systems            | F. Sc Pre-Engineering, ICS, Pre-Medical, A levels/DAE or Equivalent with mathematics                                                                                                        | Minimum 45% Marks and no 3rd division in Matriculation<br>50% marks in admission Test<br>In case without Mathematics at intermediate, have to pass deficiency courses of Mathematics (06 credits) in first two semesters |
| BS Construction Management                     | Pre-Engineering Group ICS with Mathematics, Physics, Computer Science and DAE in relevant fields                                                                                            | Minimum 45% Marks in FSC / A-Level and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                           |
| BS Information Security Engineering Technology | Pre-Engineering Group ICS with Mathematics, Physics, Computer Science and DAE in relevant fields                                                                                            | Minimum 50% Marks and no 3rd division in Matriculation + Minimum 33% Marks in Engineering test of HEC approved Testing Entity                                                                                            |
| BS Biomedical Engineering Technology           | Intermediate or HSSC examination with Mathematics or Biology. Pre-Medical or Pre-Engineering backgrounds are also eligible with deficiency courses in Mathematics or Biology, as applicable | Minimum 50% Marks in HSSC examination with Mathematics/ equivalent and no 3rd division in Matriculation. 50% marks in NTS/ UMT Entry Test.                                                                               |

| Program Name                       | Minimum Required Qualification                                                                                                                                                  | Minimum Requirement                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| BS Computer Systems                | F. Sc /DAE/ICS with Mathematics and Physics, or equivalent qualifications such as A-levels.                                                                                     | Minimum 45% marks no 3rd division in Matriculation, Minimum 50% marks in NTS/ UMT Entry Test.                                                 |
| BS Computer Engineering Technology | Intermediate with Mathematics or equivalent qualification with Mathematics certified by IBCC. Students with pre-medical skills are eligible with two Math's deficiency courses. | Minimum 50% Marks in HSSC examination with Mathematics/ equivalent and no 3rd division in Matriculation. 50% marks in NTS/ UMT Entry Test.    |
| MS Civil Engineering               | 4 Year Bachelor degree or Equivalent 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 Robotics & Intelligent Systems  | 4 Year Bachelor degree or Equivalent 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 Electrical Engineering          | 4 Year Bachelor degree or Equivalent 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 Engineering Management          | 4 Year Bachelor degree or Equivalent 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 Mechanical Engineering          | 4 Year Bachelor degree or Equivalent 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 Electrical Engineering         | MS in relevant Engineering                                                                                                                                                      | 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 Civil Engineering              | MS in relevant Engineering                                                                                                                                                      | 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 Mechanical Engineering         | MS in relevant Engineering                                                                                                                                                      | 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 |

PKR **16**<sup>+</sup> **BILLION**  
IN SCHOLARSHIP  
50,000 BENEFICIARIES

UMT  
MY FIRST  
CHOICE

**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

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