



# NED University of Engineering & Technology

Annex-B

For Admission in Masters Degree Programmes for the

Academic Session 2026-27

## ELIGIBILITY

1. The **applicant** must have passed their Qualifying Examinations Bachelor of Engineering Degree examination in the relevant Engineering Discipline from NED University or an equivalent recognized Institution with First Division (for Annual System) or at least with CGPA 2.40 / 4.0 (for Semester System).
2. All Professional Bachelors Degree must be accredited by respective Accreditation bodies e.g. Pakistan Engineering Council (PEC) and Pakistan Council of Architects & Town Planners (PCATP)
3. All other degrees must be recognized by Higher Education Commission (HEC).

| MASTER OF ENGINEERING (M. ENGG)   | QUALIFICATION REQUIRED  |
|---|---|
| <b>1. Automotive Engineering</b><br>a) Automotive Design    b) Automotive Manufacturing   | Bachelor Degree in <b>Automotive / Mechanical and Industrial &amp; Manufacturing Engineering</b> .  |
| <b>2. Biomedical Engineering</b><br>Biomedical Engineering**  | Bachelor Degree in <b>Biomedical Engineering</b> or in any of the relevant degrees.   |
| <b>3. Chemical Engineering</b><br>Chemical Engineering+   | Bachelor Degree in <b>Chemical / Materials / Metallurgical / Polymer &amp; Petrochemical / Mechanical / Industrial &amp; Manufacturing / Petroleum / Textile and Food Engineering</b> .                         |
| <b>4. Civil Engineering</b><br>a) Structural Engineering**    b) Geo-Technical Engg* .<br>c) Transportation Engg* .<br>d) Construction Engineering Law<br>e) Coastal & Water Resource Engineering***  | Bachelor Degree in <b>Civil Engineering</b> along with Specialization in <b>Construction</b> and Specialization in <b>Urban and Urban Engineering</b> or in any of the relevant degrees.                        |
| <b>5. Computer Systems Engineering</b><br>Computer Network & System Security  | Bachelor Degree in <b>Computer Systems Engineering</b> or in any of the relevant degrees.   |
| <b>6. Earthquake Engineering</b><br>Earthquake Engineering*   | Bachelor Degree in <b>Civil / Urban Engineering</b> or in any of the relevant degrees.  |
| <b>7. Electrical Engineering</b><br>a) Electrical Power Systems<br>b) Smart Grid<br>c) Control & Robotics   | Bachelor Degree in <b>Electrical Engineering</b> or allied disciplines.   |
| <b>8. Electronic Engineering</b><br>a) Industrial Electronics<br>b) Microsystem Design+<br>c) Integrated Circuit Design<br>(Successful candidates admitted to Integrated Circuit Design specialization may be eligible for tuition fee waivers and stipend support under the PSEB-SERC Programme) | Bachelor Degree in <b>Electronic Engineering</b> or in any of the relevant degrees.   |
| <b>9. Environmental Engineering</b><br>Environmental Engineering**  | Bachelor Degree in <b>Civil / Mechanical / Chemical Engineering</b> or allied disciplines.  |
| <b>10. Industrial &amp; Manufacturing Engineering</b><br>Manufacturing Engineering  | Bachelor Degree in <b>Industrial &amp; Manufacturing Engineering</b> or allied disciplines.   |
| <b>11. Materials Engineering</b><br>Materials Engineering   | Bachelor Degree in <b>Materials / Metallurgical Engineering</b> or in any of the relevant degrees.  |
| <b>12. Mechanical Engineering</b><br>a) Design    b) Energy Systems+    c) Renewable Energy<br>d) Mechatronics  | Bachelor Degree in <b>Mechanical Engineering</b> or allied Disciplines.<br>Bachelor Degree in <b>Mechatronics Engineering</b> or allied Disciplines.  |
| <b>13. Polymer &amp; Petrochemical Engineering</b><br>Polymer Engineering   | Bachelor of Engineering in <b>Polymer Engineering, Chemical, Materials, Metallurgical, Industrial &amp; Manufacturing, Textile and Mechanical Engineering</b>   |
| <b>14. Textile Engineering</b><br>Textile Engineering+  | Bachelor Degree in <b>Textile Engineering</b> or allied Disciplines   |
| <b>15. Software Engineering</b><br>Software Engineering+  | Bachelor Degree in <b>Software Engineering, Computer Engineering</b> or relevant engineering domain earned after 16 years of education from an HEC recognised university with First division or 2.4 / 4.0 CGPA. |
| <b>16. Petroleum Engineering</b><br>Petroleum Engineering   | Bachelor Degree in <b>Petroleum Engineering, Chemical Engineering, Mechanical Engineering</b> and other relevant engineering disciplines.   |
| <b>17. Metallurgical Engineering</b><br>Metallurgical Engineering   | Bachelor Degree in <b>Metallurgical Engineering / Materials</b> or in any of the relevant degrees.  |

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| MASTER OF ENGINEERING MANAGEMENT (MEM)  | QUALIFICATION REQUIRED  |
|---|---|
| <i>Name of Departments and Areas of Specialization are given below:</i>   | .   |
| <b>1. Civil Engineering</b><br>Construction Management*+  | Bachelor Degree in <b>Civil Engineering</b> along with Specialization in <b>Construction</b> and Specialization in <b>Urban</b> and <b>Urban Engineering</b> or <b>Architecture</b> or an equivalent Degree recognized by <b>Pakistan Council of Architects &amp; Town Planners (PCATP)</b> with Intermediate (Pre-Engineering) |
| <b>2. Electrical Engineering</b><br>Energy Management   | Bachelor Degree in <b>Electrical Engineering</b> or allied disciplines.   |
| <b>3. Environmental Engineering</b><br>Environmental Management*+   | Bachelor Degree in <b>Civil / Mechanical/ Chemical Engineering</b> or allied disciplines.   |
| <b>4. Urban &amp; Infrastructure Engineering</b><br>Transportation Infrastructure Management +  | Bachelor Degree in <b>Civil / Urban Engineering /</b><br>Bachelor Degree in <b>City &amp; Regional Planning</b>   |
| <b>5. Industrial &amp; Manufacturing Engineering</b><br>a) Industrial Management+ b) Quality Management<br>c) Supply Chain Management | Bachelor Degree in <b>Industrial &amp; Manufacturing Engineering / Biomedical Engineering</b> or allied disciplines.  |
| <b>6. Textile Engineering</b><br>Textile Management   | Bachelor Degree in <b>Textile Engineering</b> or allied Disciplines.  |
| <b>7. Mechanical Engineering</b><br>Energy and Plant Management+  | Bachelor Degree in <b>Mechanical Engineering</b> or allied Disciplines.   |
| <b>8. Chemical Engineering</b><br>Chemical and Process Management+  | Bachelor Degree in <b>Chemical, Mechanical, Food, Petroleum, Environmental, Industrial &amp; Manufacturing, Materials, Metallurgy, Polymer / Polymer &amp; Petrochemical Engineering</b> from the Institutions as recognized by this University.  |
| MASTER OF SCIENCE (MS)  | QUALIFICATION REQUIRED  |
| <i>Name of Department and Area of Specialization is given below:</i>  |   |
| <b>1. Chemistry</b><br>Industrial Chemistry +   | B.E (All Disciplines) /B.S (Four Years)/ M.Sc. in Chemistry/Applied Chemistry or equivalent   |
| <b>2. Computer Science &amp; Information Technology</b><br>a) Computer Science & Information Technology+                              | a) BS (CSIT) or equivalent<br>b) Any Engineering/ Architecture degree or equivalent<br>c) BS Electronics / Telecommunications / Software Engineering<br>d) M.Sc / BS Applied Mathematics/ Applied Physics/Statistics.   |
| b) Information Security+  | a) BS (CSIT) or equivalent<br>b) Any Engineering/ Architecture degree or equivalent<br>c) BS Electronics / Telecommunications / Software Engineering<br>d) M.Sc / BS Applied Mathematics/ Applied Physics/Statistics.   |
| c) Data Science+  | BS (CSIT) or equivalent as per HEC curriculum or 16 years education in the domains of Information Technology, Software Engineering, Computer Engineering, Electrical Engineering, Statistics or Mathematics and other relevant disciplines are eligible to apply.   |
| d) Geospatial Data Science (GDS)+   | BS (CSIT) or equivalent as per HEC curriculum or 16 years of education in the domains of Information Technology, Software Engineering, Computer Engineering, Electrical Engineering, Statistics or Mathematics, Remote Sensing & GIS and other relevant disciplines.  |
| <b>3. Textile Sciences</b><br>Textile Management+   | BS (Textile Sciences) or Sixteen Years of education in allied disciplines with relevant Textile experience.   |
| <b>4. English Linguistics and Allied Studies</b><br>Applied Linguistics   | Sixteen Years of education and possessing Last/Undergraduate Degree in English (BS/MA) with minimum Second Division / CGPA 2.40/4.0.  |
| <b>5. Mathematics</b><br>Applied Mathematics+   | Bachelors of Engineering Degree (All Disciplines) or Sixteen years education in Mathematics or equivalent.  |
| <b>6. Physics</b><br>a) Physics b) Optics c) Medical Physics  | Sixteen Years of education in Physics/Applied Physics/ Engineering or equivalent/Applied Mathematics  |

| MASTER OF SCIENCE (MS)   | QUALIFICATION REQUIRED  |
|--|---|
| <i>Name of Department and Area of Specialization is given below:</i>   |   |
| <b>7. Computer &amp; Information Systems Engineering</b><br>a) Data Engineering and Information Management**<br><br>b) Artificial Intelligence | Sixteen Years of education (with <b>Computer Engineering, Computer Science, Software Engineering, Statistics, Applied Mathematics, Business Administration</b> (IT background) or relevant field with Majors in <b>Mathematics</b><br>Bachelor Degree in <b>Computer Systems Engineering / Computer Science / Software Engineering</b> or in any of the relevant degrees.   |
| <b>8. Economics and Management Sciences</b><br>a) Economics and Finance+<br><br>b) Management Sciences+  | a) BS (4 years Programme) with Economics, Management, Mathematics, Statistics, Commerce or BBA from any University as recognized by the NED University.<br><br>b) MA / MSc with (Economics, Mathematics, Statistics) / MBA / M.Com / BE or equivalent from any HEC recognized programme.<br><br>Sixteen Years of education in <b>Management / Business Administration</b> or equivalent degree from the relevant fields from an HEC recognized institution. |
| <b>9. Biomedical Engineering</b><br>Digital Health**   | Candidates must have achieved bachelor's degree with 16 years education in any of the following disciplines:-<br><br>B.E / B.S / B.Sc in Biomedical Engineering, Electronic Engineering, Telecommunications Engineering, Computer Systems Engineering or equivalent Engineering Programmes and BS Computer Science or equivalent  |
| MASTER OF URBAN & REGIONAL PLANNING (MURP)   | QUALIFICATION REQUIRED  |
| <i>Name of Department and Area of Specialization is given below:</i>   |   |
| <b>Architecture &amp; Planning</b><br>Urban & Regional Planning  | i) Bachelor Degree in Architecture/City and Regional Planning/ Civil Engineering/Urban Engineering, OR<br><br>ii) Possess M.Sc. in Geography / Four Year B.S. in Development Studies / Geography / M.A. in Geography subject to taking at least two non-credit courses as approved or recommended by Board of Studies, OR   |
| MASTER OF ARCHITECTURE (M.ARCH)  | QUALIFICATION REQUIRED  |
| <i>Name of Department and Area of Specialization is given below:</i>   |   |
| <b>Architecture &amp; Planning</b><br>Architecture   | Bachelor Degree in Architecture from PCATP accredited institution, registered member PCATP, or an equivalent degree having HEC equivalency certificate along with PCATP membership  |

\* *These Programmes are also offered in the Morning Session. For further details, please contact the concerned Department*

† *These Programmes are also offered during Weekend. Minimum Duration of the Programme is Three (3) Semester.*

\*\* *This Programmes is only offered during Weekend. Minimum Duration of the Programme is Three (3) Semester.*

\*\*\* *This Programme is offered in collaboration with Panjwani-Hisaar Water Institute (PHWI)*

**Note: Admission Test of all the above Programmes will be held on 24<sup>th</sup> to 26<sup>th</sup> July, 2026. Test date will be notified by concerned Departments separately.**

## REGISTRAR

NED University of Engineering & Technology, Karachi