



# NED University of Engineering & Technology

**For Admission in Master's Degree Programmes for the**

**Academic Session 2012-13**

## 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 recognised Institution with First Division or at least with CGPA 2.4/4.0.
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 recognised by Higher Education Commission (HEC).

a) MASTER OF ENGINEERING (M. ENGG)	QUALIFICATION REQUIRED
<i>Name of Departments and Areas of Specialisation are given below:</i>	
<b>1. Civil Engineering</b> a) Structural Engineering b) Geo-technical Engineering c) Transportation Engineering	Bachelor Degree in <b>Civil / Urban Engineering</b> or in any of the relevant degrees.
<b>2. Earthquake Engineering</b> Earthquake Engineering	Bachelor Degree in <b>Civil / Urban Engineering</b> or in any of the relevant degrees.
<b>3. Environmental Engineering</b> Environmental Engineering <i>Note: Department also offers the same programme in the morning session</i>	Bachelor Degree in <b>Civil / Mechanical / Chemical Engineering</b> or allied disciplines.
<b>4. Mechanical Engineering</b> a) Design b) Energy Systems c) Mechatronics (Mechanical Stream)	Bachelor Degree in <b>Mechanical Engineering</b> or allied disciplines.
<b>5. Industrial &amp; Manufacturing Engineering</b> Manufacturing Engineering	Bachelor Degree in <b>Industrial &amp; Manufacturing Engineering</b> or allied disciplines.
<b>6. Automotive Engineering</b> a) Automotive Design b) Automotive Manufacturing	Bachelor Degree in <b>Automotive / Mechanical and Industrial &amp; Manufacturing Engineering</b> .
<b>7. Textile Engineering</b> Textile Engineering	Bachelor Degree in <b>Textile Engineering</b> or allied disciplines.
<b>8. Electrical Engineering</b> Electrical Power Systems	Bachelor Degree in <b>Electrical Engineering</b> or in any of the relevant degrees.
<b>9. Electronic Engineering</b> a) Micro System Design b) Industrial Electronics	Bachelor Degree in <b>Electronic Engineering</b> or in any of the relevant degrees.
<b>10. Telecommunications Engineering</b> Telecommunications Engineering	Bachelor Degree in <b>Telecommunications Engineering</b> or in any of the relevant degrees.
<b>11. Computer Systems Engineering</b> a) Computer Architecture & Systems Design b) Computer Network & Performance Evaluation	Bachelor Degree in <b>Computer Systems</b> or in any of the relevant degrees.
<b>12. Materials Engineering</b> Materials Engineering	Bachelor Degree in <b>Materials / Metallurgical Engineering</b> or in any of the relevant degrees.
<b>13. Chemical Engineering</b> Chemical Engineering	Bachelor Degree in <b>Chemical / Materials / Metallurgical / Polymer &amp; Petrochemical / Mechanical and Industrial &amp; Manufacturing Engineering</b> .
<b>14. Bio-Medical Engineering</b> Bio-Medical Engineering	16+1 years education leading to a degree in <b>Bio-Medical Engineering</b> ; (Those who have sixteen years education with Bachelor degree in <b>Bio-Medical Engineering</b> , would be offered admission subject to passing prerequisite courses before being admitted. These courses would be prescribed by the Admission Committee).

b) MASTER OF ENGINEERING MANAGEMENT (MEM)	QUALIFICATION REQUIRED
<i>Name of Departments and Areas of Specialisation are given below:</i>	
<b>1. Civil Engineering</b> a) Construction Management b) Water Resources Management	Bachelor Degree in <i>Civil / Urban Engineering</i> or <i>Architecture</i> or an equivalent Degree recognised by <b>Pakistan Council of Architects &amp; Town Planners (PCATP)</b> with Intermediate (Pre-Engineering) Bachelor Degree in <i>Civil / Urban Engineering</i> .
<b>2. Urban &amp; Infrastructure Engineering</b> Transportation Infrastructure Management	Bachelor Degree in <i>Civil / Urban Engineering</i>
<b>3. Environmental Engineering</b> Environmental Management	Bachelor Degree in <i>Civil / Mechanical/ Chemical Engineering</i> or allied disciplines.
<b>4. Industrial &amp; Manufacturing Engineering</b> a) Industrial Management b) Quality Management	Bachelor Degree <i>in relevant discipline of Engineering</i>
<b>5. Textile Engineering</b> Textile Management	Bachelor Degree in <i>Textile Engineering</i> or allied disciplines.
<b>6. Electrical Engineering</b> Energy Management	Bachelor Degree in <i>Electrical Engineering</i> or in any relevant discipline with preferably two years work experience in Power and Energy Sector
c) MASTER OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY (MCIT)	QUALIFICATION REQUIRED
<i>Name of Department and Area of Specialisation is given below:</i>	
<b>Computer Science &amp; Information Technology</b> Computer Science & Information Technology	Bachelor Degree in <i>Computer Science &amp; Information Technology (BCIT) or Computer Systems / Electronic / Telecommunications / Civil / Urban / Mechanical / Electrical / Textile / Industrial &amp; Manufacturing / Automotive Engineering or Architecture or Master of Science in Applied Mathematics / Applied Physics.</i>
d) MASTER OF URBAN & REGIONAL PLANNING (MURP)	QUALIFICATION REQUIRED
<i>Name of Department and Area of Specialisation is given below:</i>	
<b>Architecture &amp; Planning</b> Urban & Regional Planning	Bachelor Degree in <i>Architecture / City and Regional Planning / Civil Engineering / Urban Engineering or four years Bachelor of Geography along with other conditions of eligibility.</i>
e) MASTER OF ARCHITECTURE (M.ARCH)	QUALIFICATION REQUIRED
<i>Name of Department and Area of Specialisation is given below:</i>	
<b>Architecture &amp; Planning</b> Architecture	Bachelor Degree in <i>Architecture</i> or an equivalent degree.
f) MASTER OF APPLIED MATHEMATICS (MAM)	QUALIFICATION REQUIRED
<i>Name of Department and Area of Specialisation is given below:</i>	
<b>Mathematics</b> Applied Mathematics	Sixteen years education or equivalent in Mathematics or in any Engineering discipline.

**Note: Admission Test of the all above Programmes will be held on 12<sup>th</sup> or 13<sup>th</sup> or 14<sup>th</sup> May, 2012. Test date will be notified by concerned Departments separately.**

**REGISTRAR**

NED University of Engineering & Technology, Karachi