



PAKISTAN INSTITUTE OF ENGINEERING AND APPLIED SCIENCES (PIEAS), ISLAMABAD

Top Ranking University of Pakistan (QS World Ranking 2021-2022, 2023, QS Ranking Asia since 2014)
No. 1 Engineering University (HEC Rankings, 2006, 2010, 2013)

KARACHI INSTITUTE OF POWER ENGINEERING-COLLEGE (KINPOE-C), KARACHI

NATIONAL INSTITUTE OF LASERS AND OPTRONICS - COLLEGE (NILOP-C), ISLAMABAD

NATIONAL INSTITUTE FOR BIOTECHNOLOGY & GENETIC ENGINEERING - COLLEGE (NIBGE-C) FAISALABAD

NUCLEAR INSTITUTE FOR AGRICULTURE & BIOLOGY - COLLEGE (NIAB-C) FAISALABAD

ADMISSION 2024

BS

MS

PhD

Salient Features

- Among the Pakistan's Top Ranked Universities.
- Highly qualified full-time faculty with more than 100 PhD.
- State of the art research laboratories.
- Round the clock access to digital library, computing and internet facilities.
- Male / Female hostels (limited seats) and PIEAS transport for day scholars.
- Well-established & highly successful and accredited BS/ MS/ PhD programs.
- Excellence of PIEAS graduates well recognized at national/ international academia and industry.

4-YEARS BS PROGRAMS

- Chemical Engineering • Computer & Information Sciences
- Electrical Engineering • Mechanical Engineering
- Metallurgy & Materials Engineering • Physics

Eligibility for BS Programs

- Minimum 60% in both Matriculation/ O-level (Science) and Intermediate/ A-level.
- For Engineering Programs students with FSc (Pre-Engg.) or ICS with Physics, Mathematics and Computer Science as major subjects can apply.
- Pre Medical students can also apply for BS Computer & Information Sciences and BS Physics.
- Candidates with Pre-Medical background, who have taken Mathematics as additional subject, are also eligible.
- Students awaiting their final result, but expecting to secure required percentage of marks may also apply.
- Selection shall be made strictly on merit determined by:
 - PIEAS Admission Test: 60%
 - Matric: 15%
 - F.Sc. or F.Sc. (Part I): 25%
 - O-Level / A-Level: 40% of O-Level equivalence from IBCC OR
- Admission on the basis of SAT and ACT scores. The PIEAS institutional code to receive SAT is 7272 and the institutional code of ACT 3783.
- SAT-II result of three subjects (Physics, Chemistry & Mathematics level-II). A minimum score of 2000 is required.
- The ACT composite score should be at least 25 or more to be eligible for admission.
- SAT-III/ ACT scores must reach Registrar, PIEAS, latest by July 05, 2024.
- PIEAS also offers admission to members of Olympiad teams (selected under STEM career program) in its BS Programs without any entrance test.

Need Based Financial Support Available

MS PROGRAMS

- Admission is open to the 18 MS Programs at PIEAS, KINPOE-C, NIBGE-C, and NIAB-C at fellowship and/ or regular fee basis.
- MS Programs at PIEAS are ideally suitable for those candidates, who want to pursue careers in higher education, research and development.

Eligibility for MS Programs

- All Pakistani nationals with the required qualification.
- Preferably first class academic career. However, one second division (≥ 50% marks) is allowed except in the final degree. In case of semester system, a CGPA 2.5 out of 4.0 in the final degree is required.
- Candidates having BS (4-year)/ MSc in Computer Science, Geology must have studied Physics and Mathematics at undergraduate level.
- Candidates expecting completion of their degree requirements by the 31st December 2024 may also apply.
- Age limit: There is no age limit for admission on regular fee basis. However, for fellowships the age limit is 32 years for MBBS Doctors and 27 years for all other disciplines as on June 30, 2024.
- Merit will be determined by PIEAS Admission Test, Interview and personality profiling test (for fellowship only).

How to Apply?

- After advertisement in National Daily newspapers, the aspiring applicants shall visit PIEAS admission website <http://admissions.pieas.edu.pk> for updated information and to access PIEAS Admission Portal.
- An applicant shall create an account (against his/ her CNIC) on PIEAS admissions web portal and fill application form data online.
- There shall be no application form available for download and to be filled handwritten. No application shall be entertained in hard copy form.

APPLICATION SUBMISSION DEADLINE IS: MAY 24, 2024

Pakistan Atomic Energy Commission Offers

Fellowships for Engineers, Scientists & Medical Doctors

Pakistan Atomic Energy Commission (PAEC) and some other government departments offer a fellowship to MS students at PIEAS and KINPOE-C:

- A stipend of Rs. 58,180/- (subject to deductions as per policy) per month with tuition fee-waiver
- Free indoor medical treatment.
- Fellow students have to pledge a bond to serve PAEC/ Organizations/ Govt. Departments for 5 years after completion of their degree.
- Induction in SPS-8 after completion of MS studies with minimum CGPA of 3.0/ 4.0.

KINPOE-C Karachi	
• MS Nuclear Power Engineering	Fellowship & Regular

NIBGE-C Faisalabad	NIAB-C Faisalabad
Regular only	Regular only
• MPhil Biotechnology	• MPhil Biological Sciences

PIEAS Islamabad	
• MS Chemistry	Fellowship & Regular
• MS Computer Science	Fellowship, Regular & IT Endowment
• MS Cyber Security	Fellowship, Regular & IT Endowment
• MS Electrical Engineering	Fellowship & Regular
• MS Materials Engineering	Fellowship & Regular
• MS Mechanical Engineering	Fellowship & Regular
• MS Medical Physics	Fellowship & Regular
• MS Mineral Resource Engineering	Fellowship & Regular
• MS Nuclear Engineering	Fellowship & Regular
• MSc Nuclear Medicine	Fellowship & Regular
• MS Physics	Fellowship & Regular
• MS Process Engineering	Fellowship & Regular
• MSc Radiation & Medical Oncology	Fellowship & Regular
• MS Radiation Physics	Fellowship & Regular
• MS Systems Engineering	Fellowship & Regular

Scholarships / Funding from IT Endowment Fund

IT Endowment Fund Scholarships for MS Computer Science/ Cyber Security Programs at PIEAS:

- For MS a monthly stipend of Rs. 28,000/- only & for PhD Rs. 35,000/- only.
- Students have to pledge a bond to serve the country for 5 years after completion of their degree.

SCHOLARSHIPS FOR INTERNATIONAL STUDENTS

- ▶ **Jabar Bin Hayan** ▶ **Marie Sklodowska-Curie** Scholarships Fellowship Programme (MSCFP)

Email: international.students@pieas.edu.pk

The details for Fellowship Pre-requisites are available at: <http://admissions.pieas.edu.pk>

Email: admissions@pieas.edu.pk



PIEAS
www.pieas.edu.pk



ADMISSION
admissions.pieas.edu.pk



INTERNATIONAL SCHOLARSHIPS

PhD PROGRAMS

PIEAS has a well-established PhD Program in the major disciplines of engineering and applied sciences.

- Formal education of 18 years (MS or equivalent) with minimum CGPA of 3.0/4.0 in the semester system or 1st division in the annual system and for 16 years education (BS or equivalent) having minimum CGPA of 2.5/4.0 in semester system or 1st division in annual system.
- GRE (General/ Subject) 60 percentile, or GAT/ HAT (General/ Subject) 60 percent or University Equivalent Test (Subject for which GAT and GRE are unavailable) 60 percent. For discipline change, Subject test in the discipline of admission with minimum 50% score will be required.
- HEC scholarship holders can apply.
- Serving applicants should apply through proper channel with provision of NOC from their employers.
- PhD candidates can apply at any time during an academic year.
- Final selection will be made after a thorough Interview of the eligible candidates.
- Scholarships from Endowment Fund for PhD are available in IT related fields.

PhD Degree Programs

Chemical Engineering	Fluid Mechanics, Reaction & Separation Systems, Energy Fuels & Environment, Mineral Processing, Mining and processing, etc.
Electrical Engineering	Control Systems, Power Systems, Communication System, Signal Processing, IoTs and Robotics, etc.
Materials Engineering	Polymer, Ceramics, Alloys, Powder Metallurgy, Micro & Nano Device fabrication & characterization, etc.
Mechanical Engineering	Manufacturing, Mechanical Design, Computational Engineering, Turbo Machinery, Heat Transfer, etc.
Nuclear Engineering	Core Neutronics, Reactor Thermal Hydraulics, Environmental Engineering, Nuclear Security, Nuclear Fuel Cycle, etc.
Applied Mathematics	Quantum Computing, Machine Learning, Optimization, Plasma Modelling, Monte Carlo Simulations, etc.
Biotechnology (NIBGE-C)	Agricultural Biotechnology, Industrial Biotechnology, Health Biotechnology, Environmental Biotechnology, etc.
Biological Sciences (NIAB-C)	Plant Breeding & Genetics, Soil & Environmental Sciences, Plant Protection, Animal Sciences, etc.
Chemistry	Solid state Electrochemistry, Fuel cells, Electrolysis, Sensor membranes and functioning materials, Biomaterials, etc.
Computer Science	Artificial Intelligence, Machine Learning, Bioinformatics, Grid and cloud computing, Cyber security, etc.
Medical Physics	Bio Photonics, Radiation and Photodynamic Therapy, Nuclear Medicine, Radiation Safety and Environmental monitoring, etc.
Physics	Quantum Science, Condensed Matter Physics, Computational and Plasma Physics, etc.
Radiation Physics	Radiation Shielding, Radiation Dosimetry, Radioactive waste management, Nuclear Emergency management etc.
Laser & Semiconductor Physics (NILOP-C)	Ultrashort pulse and Semiconductor lasers, Optical fiber lasers, Optical communication, THz Systems, Optronic sensors etc.

Graduate Assistantships Available

- Graduate Assistantship program allows PhD students within PIEAS to serve as TA/RA/Lab Engr for 9 contact hours in regular semester and 3 contact hours in summer semester.
- Selected students will be awarded Rs. 35,000/- per month scholarship only.

Application Processing Fee BS | MS | PhD

On-line submission within due date:-	Rs. 3,500/-
On-line submission within two weeks after due date:-	Rs. 4,000/-
• There will be no bank service charges for submission of fee through any branch of Askari Bank Limited (AKBL).	
• However payment through Mobile Banking Apps or Internet Banking Apps will require additional service charges.	

Admission Test will be held in 18 major cities of Pakistan.

DIRECTOR ACADEMICS:
PAKISTAN INSTITUTE OF ENGINEERING AND APPLIED SCIENCES (PIEAS)

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