



**THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE
ADVERT FOR ADMISSION INTO POSTGRADUATE
PROGRAMMES FOR 2009/2010 ACADEMIC YEAR**

Applications are invited from suitably qualified candidates for admission into the following Postgraduate programmes of the Federal University of Technology, Akure for the year 2009/2010 academic session

Preamble

The School of Postgraduate Studies

As part of its Vision and Mission in terms of the development of high-level skilled manpower for the country, Council of the Federal University of Technology, Akure approved the establishment of the Board of Postgraduate Studies in 1986, which metamorphosed into School of Postgraduate Studies in 1994.

In pursuance of the primary objectives of the Federal Government for the establishment of the Universities of Technology, the Postgraduate Programmes of the Federal University of Technology, Akure are intended to consolidate and build upon the solid intellectual and technological foundations which the undergraduate courses in the University have been most carefully designed to achieve.

The need for purposeful and functional education, which fosters technology for self-reliance, as an antidote to under-development, is the underlying principle for the design of specific Postgraduate Programmes in the various Schools of the University. The mission of the Postgraduate School includes the development and offering of academic and professional programmes leading to the award of postgraduate diplomas and higher degrees which emphasize planning, adaptive and productive skills in the engineering, scientific, agricultural, environmental and allied professional disciplines.

Within the context of these general objectives therefore, graduate students of the Federal University of Technology, Akure are trained to:

(i) have a very sound and an in-depth knowledge of the basic principles

underlying the body of knowledge they are being trained to master;

(ii) develop a broad analytical mind that would enhance major intellectual and technological breakthroughs to improve the lot of man and the society; through basic and need-driven research programmes;

(iii) be adequately versed in their discipline, and be competent to impart the knowledge on others in a conducive academic environment to ensure the continued existence of the system.

It is worth mentioning that our admission policy reflects 60% undergraduate and 40% postgraduate supported by highly qualified academic staff.

A. HIGHER DEGREE PROGRAMMES AVAILABLE

- Doctor of Philosophy (Ph. D)
- Master of Philosophy (M. Phil)
- Master of Agricultural Technology (M. Agric. Tech.)
- Master of Engineering (M. Eng.)
- Master of Technology (M. Tech.)

1. SCHOOL OF AGRICULTURE & AGRICULTURAL TECHNOLOGY (SAAT)

Doctor of Philosophy (Ph. D), Master of Agricultural Technology (M. Agric. Tech.) and M.Tech. programmes are available in the following options:

(i) Department of Agricultural Economics & Extension

(a) Agricultural Extension

- (i) General Extension
- (ii) Rural Development
- (iii) Rural Sociology
- (iv) Transfer of Technology

(b) Agricultural Economics

- (i) Production Economics
- (ii) Environmental Economics
- (iii) Farm Management
- (iv) Finance & Marketing

(ii) Department of Animal Production & Health

- (a) Animal Production & Management
- (b) Animal Nutrition
- (c) Animal Breeding and Genetics
- (d) Animal Reproduction & Physiology
- (e) Animal Microbiology
- (f) Meat Science (Ph.D only)

(iii) Department of Crop, Soil and Pest Management

- (a) Crop Management
- (b) Soil Management
- (c) Pest Management

(iv) Department of Fisheries & Aquaculture

- (a) Aquaculture
- (b) Fisheries Management
- (c) Fish Nutrition, Processing & Utilization
- (d) Fisheries Economics

(v) Department of Ecotourism and Wildlife Management

- (a) Wildlife Management
- (b) Biodiversity Ecology
- (b) Ecotourism
- (c) Wildlife Domestication (Ph. D only)

(vi) Department of Forestry & Wood Technology

- (a) Forest Management
- (b) Forest Biology/Silviculture
- (c) Agro Forestry/ Soils
- (d) Wood Science
- (e) Wood Product Technology
- (f) Forest Economics

(vii) Department of Food Science and Technology

- (a) Food Chemistry
- (b) Human Nutrition
- (c) Food Processing
- (d) Biotechnology
- (e) Post Harvest Technology

2. SCHOOL OF ENGINEERING & ENGINEERING TECHNOLOGY (SEET)

Doctor of Philosophy (Ph. D) and Master of Engineering (M. Eng.).

Programmes are available in the following options:

(i) Department of Agricultural Engineering

- (a) Agricultural Machinery
- (b) Processing and Storage
- (c) Soil & Water Conservation
- (d) Machine Design & Testing
- (e) Alternative Energy

(ii) Department of Civil Engineering

- (a) Geotechnical Engineering
- (b) Structural Engineering
- (c) Transportation Engineering
- (d) Highway Maintenance & Rehabilitation Engineering
- (e) Water Resources and Environmental Engineering
- (f) Construction Engineering

(iii) Department of Electrical & Electronics Engineering

- (a) Electrical Power Systems and Machines
- (b) Communications Engineering
- (c) Control Engineering

(iv) Department of Mechanical Engineering

- (a) Production Engineering (All levels)
- (b) Industrial Engineering/Operations Research
- (c) Building Services Engineering
- (d) Automotive Engineering

(v) Department of Metallurgical & Materials Engineering

- (a) Corrosion and Surface Finishing Engineering
- (b) Mineral Processing Technology
- (c) Extraction and Refining Technology

- (d) Mechanical Metallurgy/Welding Technology
- (e) Foundry Technology/Heat Treatment
- (f) New Materials Development/Composites

(vi) Department of Mining Engineering

- (a) Surface Mining
- (b) Underground Mining
- (c) Rock Mechanics
- (d) Mineral Processing
- (e) Mine Management and Mineral Economics
- (f) Mine Safety and Environment
- (g) Mine Surveying

3. SCHOOL OF ENVIRONMENTAL TECHNOLOGY (SET)

Doctor of Philosophy (Ph.D), Master of Philosophy (M. Phil) and Master of Technology (M.Tech).

Programmes are available in the following options:

(i) Department of Architecture (M. Tech, M. Phil, Ph. D)

- (a) Architecture (M. Tech)
- (b) Low Cost Housing (M.Phil & PhD)
- (c) Urban Design (M.Phil & PhD)
- (d) Landscape Architecture (M.Phil, PhD)
- (e) Applied Climatology (M.Phil & PhD)

(ii) Department of Urban and Regional Planning (M. Tech, Ph. D) specializing in:

- (a) Housing
- (b) Environmental Planning Management
- (c) Regional Planning
- (d) Rural Planning
- (e) Population and Urbanisation
- (f) Tourism
- (g) Transport Planning

(iii) Department of Estate Management (M. Tech, Ph. D) specializing in:

- (a) Land Management
- (b) Portfolio Management
- (c) Valuation

(iii) Department of Quantity Surveying (M. Tech, Ph. D) specializing in:

- (a) Cost Management
- (b) Construction Economics
- (c) Procurement Studies
- (d) Quantity Surveying Procedures

(iv) Department of Industrial Design (M. Tech, Ph. D) specializing in:

- (a) Textile Design
- (b) Industrial Ceramics
- (c) Graphics

4. SCHOOL OF EARTH AND MINERAL SCIENCES (SEMS)

Doctor of Philosophy (Ph. D) and Master of Technology (M. Tech.).

Programmes are available in the following options:

(i) Department of Applied Geology

(a) Master of Technology in:

- (a) Mineral Exploration
- (b) Remote Sensing
- (c) Hydrogeology and Engineering Geology
- (d) Petroleum and Sedimentary Geology

(b) Doctor of Philosophy in:

- (a) Exploration Geochemistry
- (b) Remote Sensing
- (c) Hydrogeology
- (d) Engineering Geology
- (e) Petroleum Geology
- (f) Sedimentology
- (g) Structural Geology

(ii) Department of Applied Geophysics

- (a) Petroleum Exploration
- (b) Mining Geophysics
- (c) Engineering/Hydro-Geophysics/Environmental Geophysics

(iii) Department of Meteorology

- (a) Numerical Weather Forecasting

- (b) Synoptic Meteorology
- (c) Aviation Meteorology
- (d) Satellite Meteorology
- (e) Air pollution meteorology

5. SCHOOL OF SCIENCES (SOS)

Doctor of Philosophy (Ph.D) and Master of Technology (M.Tech.).

Programmes are available in the following options:

(i) Department of Biochemistry

- (a) Enzymology
- (b) Food/Nutritional Biochemistry
- (c) Toxicology
- (d) Phytomedicine
- (e) Clinical Biochemistry
- (f) Microbial Biochemistry

(ii) Department of Biology

- (a) Food Storage Technology
- (b) All aspects of Biology for Ph. D programme (with specialization in Entomology, Parasitology, Storage Microbiology, Food Storage, Genetics etc)

(iii) Department of Microbiology

- (a) Food Microbiology
- (b) Environmental Microbiology
- (c) Medical Microbiology
- (d) All aspects of Microbiology for Ph.D programme

(iv) Department of Chemistry

- (a) Analytical Chemistry
- (b) Industrial Chemistry
- (c) All aspects of Chemistry for Ph. D. programme

(v) Department of Mathematical Sciences

- (a) Dynamics of Structure
- (b) Geophysical Fluid Mechanics
- (c) Numerical Methods in Ordinary Differential Equations (ODE).
- (d) Algebra

- (e) Statistics
- (f) Fluid Mechanics
- (g) Optimal Control

(vi) Department of Computer Science

- (a) M. Tech. Computer Science
- (b) M. Phil. Computer Science
- (c) Ph.D. Computer Science

(vii) Department of Physics

- (a) Condensed Matter Physics
- (b) Electronic Measurements and Instrumentation
- (c) Communication Physics
- (d) Radiation and Health
- (e) Space Physics
- (f) Lower Atmospheric Physics

B. ADMISSION REQUIREMENTS

All candidates must possess at least five (5) 'O' level credits as required in relevant disciplines but must include English Language and Mathematics.

(i) Doctor of Philosophy (Ph. D)

- (a) A good Masters' degree in the appropriate discipline with a CGPA of 3.50 and / or (60%) minimum average score.
- (b) Any other qualifications approved by Senate.

(ii) M.Agric.Tech./M.Eng./M.Tech./M.Phil.

- (a) A good Bachelors degree of at least Second Class Lower Division of the Federal University of Technology, Akure or other recognized Universities, in the appropriate discipline.
- (b) Higher National Diploma at Upper Credit level and in addition, the candidate must have a Postgraduate Diploma (at Upper credit level) in the appropriate discipline.
- (c) Any other qualification adjudged to be equivalent to a good first degree (A minimum of Second Class Lower Division).
- (d) For M. Phil. in Architecture and Computer Science, a good M. Tech. Degree or equivalent is required in the respective discipline.

C. DURATION OF PROGRAMMES

(i) For Masters Programmes

M.Agric.Tech./ M.Eng./ M.Tech

- (a) Full-time students shall normally be required to spend between eighteen (18) and twenty-four (24) months.
- (b) Part-time students shall normally be required to spend between twenty-four (24) and forty-eight (48) months.

(ii) For M. Phil. Programmes.

- (a) Full-time students shall normally be required to spend between eighteen (18) and twenty-four (24) months.
- (b) Part-time students shall normally be required to spend between twenty-four (24) and thirty-six (36) months.
- (c) A candidate may transfer from M.Phil to PhD programme after completing the coursework and fulfilling all other approved requirements.

(iii) For Doctor of Philosophy (Ph.D) Programmes:

- (a) Full-time candidates may defend their theses between thirty-six (36) and sixty (60) months.
- (b) Part-time candidates shall normally be required to spend between forty-eight (48) and seventy-two (72) months.

D. METHODS OF APPLICATION

- (i) Requests for application forms for admission into Postgraduate Studies of this University should be directed to:

**THE SECRETARY,
SCHOOL OF POSTGRADUATE
STUDIES,**

**THE FEDERAL UNIVERSITY OF
TECHNOLOGY,
P.M.B. 704, AKURE, ONDO STATE,
NIGERIA.**

- (i) Candidates are expected to enclose a self-addressed and stamped envelope (35 cm by 22.5 cm), marked "Postgraduate Admission" at the top left hand corner.
- (ii) Appropriate application fee in Bank Draft made payable to the School of Postgraduate Studies should also be enclosed.
- (iii) Application forms for Higher degree programmes is sold for N7,500.00 only
- (iv) Candidates wishing to pay in cash should make necessary payment to the University Bursary.
- (v) For more information, interested candidates are encouraged to visit the University website <http://www.futa.edu.ng>

CLOSING DATE FOR APPLICATION

All completed application forms with the required relevant documents should be returned not later than one month from the date of this publication to:

**THE SECRETARY,
SCHOOL OF POSTGRADUATE STUDIES
THE FEDERAL UNIVERSITY OF
TECHNOLOGY,
P.M.B. 704,
AKURE,
ONDO STATE, NIGERIA.**