

**A. HIGHER DEGREE PROGRAMMES AND POSTGRADUATE DIPLOMA (PGD) PROGRAMMES AVAILABLE**

- (i) Doctor of Philosophy (Ph.D)
- (ii) Master of Philosophy (M. Phil.), Master of Philosophy/ Doctor of Philosophy (M.Phil./Ph.D), Master of Agricultural Technology (M. Agric. Tech.), Master of Engineering (M. Eng.) and Master of Technology (M. Tech.)
- (iii) Postgraduate Diploma (PGD)

**1. SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY (SAAT)**

(A) Doctor of Philosophy (Ph.D), Master of Agricultural Technology (M.Agric.Tech.), Master of Technology (M.Tech. for only Department of Food Science and Technology) are available in the following Departments and Options:

**(i) Department of Agricultural Extension and Communication Technology (AEC)**

**(a) M.Agric.Tech. Agric. Extension & Communication Technology**

- General Extension
- Rural Development
- Rural Sociology
- Technology Transfer
- Communication

**(b) Ph.D**

- General Extension

- Rural Development
- Rural Sociology
- Technology Transfer
- Communication

**(ii) Department of Agricultural and Resource Economics (ARE)**

**(a) M.Agric.Tech. Agricultural and Resource Economics**

- Production Economics
- Environmental Economics
- Farm Management
- Finance & Marketing

**(b) Ph.D**

- Production Economics
- Environmental Economics
- Farm Management
- Finance & Marketing

**(iii) Department of Animal Production and Health (APH)**

**(a) PGD Animal Production and Health**

**(b) M.Agric.Tech.**

**(i) Animal Production**

- Agricultural Biochemistry and Nutrition
- Animal Breeding and Genetics
- Animal Production and Management (Poultry, Swine, Sheep and Goat, Rabbit/Micro-livestock )
- Animal Reproduction and Environmental Physiology

**(ii) Animal Health**

- Animal Parasitology
- Animal Microbiology
- Farm Hygiene and Disease Prevention

**(b) Ph.D**

**(i) Animal Production**

- Agricultural Biochemistry and Nutrition
- Animal Breeding and Genetics
- Animal Production and Management (Poultry, Swine, Sheep and Goat, Rabbit/Micro-livestock)
- Animal Physiology and Reproduction

**(ii) Animal Health**

- Animal Parasitology
- Animal Microbiology
- Farm Hygiene and Disease Prevention

**(iv) Department of Crop, Soil and Pest Management (CSP)**

**(a) PGD Crop, Soil and Pest Management**

**(b) M.Agric.Tech.**

**(i) Crop Management Technology**

- Plant Systematics & Taxonomy
- Plant Breeding & Genetics
- Crop Physiology
- Horticulture
- Agronomy/Farming Systems

**(ii) Soil Management Technology**

- Soil Fertility
- Fertilizer Use Technology
- Land Survey and Management
- Plant Nutrition
- Soil Survey & Classification

**(iii) Pest Management Technology**

- Crop Entomology
- Plant Pathology
- Nematology
- Plant Virology
- Weed Management
- Weed Biology & Ecology

**(c) Ph.D**

**(i) Crop Management Technology**

- Plant Systematics & Taxonomy
- Plant Breeding & Genetics
- Crop Physiology
- Horticulture
- Agronomy

**(ii) Soil Management Technology**

- Soil Fertility
- Fertilizer Use Technology
- Land Survey and Management
- Plant Nutrition
- Soil Survey & Classification

**(iii) Pest Management Technology**

- Crop Entomology
- Plant Pathology
- Nematology

- Plant Virology
- Weed Management
- Weed Biology & Ecology

**(v) Department of Fisheries and Aquaculture Technology (FAT)**

**(a) PGD Fisheries and Aquaculture Technology**

**(b) M. Agric. Tech. Fisheries & Aquaculture Technology**

- Aquaculture
- Fisheries Management

**(c) Ph.D Fisheries & Aquaculture Technology**

- Aquaculture
- Fisheries Management
- Fish Nutrition
- Fish Breeding
- Fisheries Economics
- Fish Processing & Utilization

**(vi) Department of Ecotourism and Wildlife Management (EWM)**

**(a) PGD Ecotourism and Wildlife Management**

**(b) M.Agric.Tech. Ecotourism & Wildlife Management**

- Wildlife Ecology and Range Management
- Biodiversity Conservation & Management
- Wildlife Nutrition and Production
- Ecotourism and Hospitality Management

**(c) Ph.D Ecotourism & Wildlife Management**

- Wildlife Management
- Range Management
- Biodiversity and Conservation
- Wildlife Nutrition and Production
- Ecotourism Management
- Hospitality Management

**(vii) Department of Forestry & Wood Technology (FWT)**

**(a) M.Agric.Tech. Forestry & Wood Technology**

- Forest Resources Management
- Forest Biology/Silviculture
- Agroforestry/Soils
- Wood Science Technology
- Wood Products Technology
- Forest Inventory & Biometrics

In addition to the above-stated options, students may conduct research in the following areas:

- Herbal Science Natural Therapeutic
- Biocomposite Technology
- Furniture Design & Production
- Wood Processing Technology

**(b) Ph.D Forestry & Wood Technology**

- Forest Resources Management
- Forest Biology/Silviculture
- Agroforestry/Soils
- Wood Science Technology
- Wood Products Technology
- Forest Inventory & Biometrics

In addition to the above-stated options, students may conduct research in the following areas:

- Herbal Science Natural Therapeutic
- Biocomposite Technology
- Furniture Design & Production
- Wood Processing Technology

**(viii) Department of Food Science and Technology (FST)**

**(a) M.Tech. Food Science and Technology**

- Food Chemistry
- Human Nutrition
- Food Processing
- Post-Harvest Technology

**(b) Ph.D Food Science and Technology**

- Food Chemistry
- Human Nutrition
- Food Processing
- Post-Harvest Technology

**2. SCHOOL OF ENGINEERING AND ENGINEERING TECHNOLOGY (SEET)**

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

**(i) Department of Agricultural Engineering (AGE)**

**(a) PGD Agricultural Engineering**

**(b) M.Eng. Agricultural Engineering**

- Agricultural Power and Machinery System
- Soil and Water Resources Engineering
- Agricultural Structures and Environmental Controls
- Bioresources and Food Process Engineering
- Alternative/Renewable Energy

**(c) Ph.D Agricultural Engineering**

- Agricultural Power and Machinery System
- Soil and Water Resources Engineering
- Agricultural Structures and Environmental Controls
- Bioresources and Food Process Engineering
- Alternative/Renewable Energy

**(ii) Department of Civil Engineering (CVE)**

**(a) PGD Civil Engineering**

**(b) M. Eng. Civil Engineering**

- Geotechnical Engineering
- Structural Engineering
- Highway and Transportation Engineering
- Water Resources and Environmental Engineering
- Construction Engineering

**(a) Ph.D Civil Engineering**

- Geotechnical Engineering
- Structural Engineering
- Highway and Transportation Engineering
- Water Resources and Environmental Engineering
- Construction Engineering

**(ii) Department of Electrical & Electronics Engineering (EEE)**

**(a) PGD Electrical and Electronics Engineering**

**(b) M. Eng. Electrical & Electronics Engineering**

- Power Systems Engineering
- Communications Engineering
- Control Engineering

**(c) Ph.D Electrical & Electronics Engineering**

- Power Systems Engineering
- Communications Engineering
- Control Engineering

**(iv) Department of Mechanical Engineering (MEE)**

**(a) PGD Mechanical Engineering**

**(b) M.Eng. Mechanical Engineering**

- Production Engineering
- Industrial Engineering/Operations Research
- Building Services Engineering
- Energy Systems
- Thermofluids
- Computational Fluid Dynamics

**(c) Ph.D Mechanical Engineering**

- Production/Mechanical Metallurgy
- Physical Metallurgy
- Corrosion Engineering
- Advanced Materials Engineering
- Mineral Engineering (Mineral Processing Technology/Extractive Metallurgy)

**(v) Department of Metallurgical & Materials Engineering (MME)**

**(a) PGD Metallurgical & Materials Engineering**

**(b) M.Eng. Metallurgical & Materials Engineering**

- Production/Mechanical Metallurgy
- Physical Metallurgy
- Corrosion Engineering
- Advanced Materials Engineering
- Mineral Engineering (Mineral Processing Technology/Extractive Metallurgy)

**(c) Ph.D Metallurgical & Materials Engineering**

- Production/Mechanical Metallurgy
- Physical Metallurgy
- Corrosion Engineering
- Advanced Materials Engineering

- Mineral Engineering (Mineral Processing Technology/Extractive Metallurgy)

**(vi) Department of Mining Engineering (MNE)**

**(a) PGD Mining Engineering**

**(b) M.Eng. Mining Engineering**

- Surface Mining
- Underground Mining
- Rock Mechanics
- Mineral Processing
- Mine Safety and Environment
- Mine Management and Mineral Economics
- Mine Surveying & Photogrammetry

**(c) Ph.D Mining Engineering**

- Surface Mining
- Underground Mining
- Rock Mechanics
- Mineral Processing
- Mine Management and Mineral Economics
- Mine Safety and Environment
- Mine Surveying & Photogrammetry

**3. SCHOOL OF ENVIRONMENTAL TECHNOLOGY (SET)**

Doctor of Philosophy (Ph. D), Master of Philosophy (Architecture) (M. Phil.), Master of Technology (M. Tech.) and Postgraduate Diploma (PGD) programmes are available in the following Departments and Options:

**(i) Department of Architecture (ARC)**

**(a) M.Tech. Architecture**

**(b) M.Phil Architecture**

**(c) M.Phil/Ph.D Architecture**

**(d) Ph.D Architecture**

**(ii) Department of Urban and Regional Planning**

**(a) PGD Urban and Regional Planning**

**(b) M.Tech. Urban and Regional Planning**

**(c) Ph.D Urban and Regional Planning**

**(iii) Department of Estate Management (ESM)**

**(a) PGD Estate Management**

**(b) M.Tech. Estate Management**

**(c) Ph.D Estate Management**

**(iv) Department of Quantity Surveying (QSV)**

**(a) PGD**

- Quantity Surveying
- Construction Management

**(b) M.Tech. Quantity Surveying**

- Cost Management
- Construction Economics
- Quantity Surveying Practices
- Procurement Studies

**(c) Ph.D in Quantity Surveying**

- Cost Management
- Construction Economics
- Quantity Surveying Practices
- Procurement Studies

**(v) Department of Industrial Design (IDD)**

**(a) M.Tech. Industrial Design**

- Ceramics Design
- Graphics
- Textile Design

**(b) Ph.D Industrial Design**

- Ceramics Design
- Graphics
- Textile Design

**(vi) Department of Surveying and Geoinformatics**

**(a) PGD Surveying and Geoinformatics**

**(b) Master of Technology (M.Tech.) in Surveying and Geoinformatics**

- Geodesy
- Photogrammetry
- Remote Sensing

- Hydrography
- Geoinformatics

**(c) Doctor of Philosophy (Ph.D) in Surveying and Geoinformatics**

- Geodesy
- Photogrammetry
- Remote Sensing
- Hydrography
- Geoinformatics

**4. SCHOOL OF EARTH AND MINERAL SCIENCES (SEMS)**

Doctor of Philosophy (Ph.D), Master of Technology (M.Tech.) and Postgraduate Diploma Programmes are available in the following Departments and Options:

**(i) Department of Applied Geology (AGY)**

**(a) PGD Applied Geology**

**(b) M.Tech. Applied Geology**

- Mineral Exploration
- Remote Sensing
- Hydrogeology and Engineering Geology
- Petroleum and Sedimentary Geology

**(c) Ph.D Applied Geology**

- Remote Sensing
- Hydrogeology
- Engineering Geology
- Petroleum Geology
- Sedimentology
- Structural Geology

**(ii) Department of Applied Geophysics (AGP)**

**(a) M.Tech. Exploration Geophysics**

- Petroleum Exploration
- Mining Geophysics
- Groundwater/Environmental/Engineering Geophysics

**(b) Ph.D Exploration Geophysics**

- Petroleum Exploration
- Mining Geophysics
- Groundwater/Environmental/Engineering Geophysics

**(iii) Department of Meteorology & Climate Science (MCS)**

**(a) M.Tech. Meteorology**

- Numerical Weather Forecasting
- Agrometeorology

**(b) Ph.D Meteorology**

- Numerical Weather Forecasting
- Synoptic Meteorology
- Aviation Meteorology
- Satellite Meteorology
- Air Pollution Meteorology
- Agrometeorology

**(iv) Department of Remote Sensing and GIS**

**(a) PGD Remote Sensing and GIS**

**(b) M.Tech. Remote Sensing and GIS**

- Earth Resources Exploration
- Natural Hazards and Disaster Risk Management
- Geoinformation Science
- Natural Resources Management

**(b) Ph.D Remote Sensing and GIS**

- Earth Resources Exploration
- Natural Hazards and Disaster Risk Management
- Geoinformation Science
- Natural Resources Management

**5. SCHOOL OF LOGISTICS AND INNOVATION TECHNOLOGY (SLIT)**

Doctor of Philosophy (Ph.D), Master of Technology (M.Tech.) and Postgraduate Diploma (PGD) programmes are available in the following Departments and Options:

**(i) Department of Project Management Technology (PMT)**

**(a) PGD Project Management Technology**

**(b) M.Tech.**

- Project Management Technology
- Management Science

**(c) Ph.D**

- Project Management Technology
- Management Science

**(ii) Department of Logistics and Transport Management Technology (LTT)**

**(a) PGD Transport Management**

Technology

**(b) M.Tech. Transport Management Technology**

- Land Transport Management Technology
- Logistics & Supply Chain Management
- Maritime Management Technology
- Air Transport Management Technology

**(c) Ph.D Transport Management Technology**

- Land Transport Management Technology
- Maritime Management Technology
- Air Transport Management Technology
- Logistics & Supply Chain Management

**6. SCHOOL OF COMPUTING (SOC)**

**Department of Computer Science (CSC)**

**(a) M.Tech. Computer Science**

**(b) M.Phil. Computer Science**

**(c) Ph.D Computer Science**

**7. SCHOOL OF LIFE SCIENCES (SLS)**

Doctor of Philosophy (Ph.D) and Master of Technology (M.Tech.), and Postgraduate Diploma (PGD) programmes are available in the following Departments and Options:

**(i) Department of Biochemistry (BCH)**

**(a) PGD Biochemistry**

- Applied Biochemistry
- Clinical Biochemistry

**(b) M.Tech. Biochemistry**

- Enzymology
- Microbial Biochemistry
- Food/Nutritional Biochemistry
- Toxicology

**(c) Ph.D Biochemistry**

- Enzymology
- Microbial Biochemistry
- Food/Nutritional Biochemistry
- Toxicology

**(ii) Department of Biology (BIO)**

**(a) M.Tech. Biology**

- Food Storage Technology
- Applied Parasitology
- Environmental Biology and Public Health
- Applied Entomology and Pest Management

**(b) Ph.D Biology**

- Applied Parasitology
- Storage Microbiology
- Storage Entomology/Applied Entomology
- Post-Harvest Biology
- Environmental Biology and Public Health

**(iii) Department of Microbiology (MCB)**

**(a) PGD Microbiology**

- Food Microbiology
- Medical Microbiology
- Environmental Microbiology

**(b) M.Tech. Microbiology**

- Food Microbiology
- Environmental Microbiology
- Medical Microbiology

**(c) Ph.D Microbiology**

- Food Microbiology
- Environmental Microbiology
- Medical Microbiology

**8. SCHOOL OF PHYSICAL SCIENCES (SPS)**

Doctor of Philosophy (Ph.D) and Master of Technology (M.Tech.), and Postgraduate Diploma (PGD) programmes are available in the following Departments and Options:

**(i) Department of Chemistry (CHE)**

**(a) M.Tech. Chemistry (Academic)**

- Analytical Chemistry
- Industrial Chemistry
- Environmental Chemistry

**(b) Ph.D Chemistry**

- Analytical Chemistry
- Industrial Chemistry
- Environmental Chemistry
- Food Chemistry
- Polymer Chemistry
- Organic Chemistry
- Inorganic Chemistry
- Physical Chemistry

**(ii) Department of Mathematical Sciences (MTS)**

**(a) M.Tech. Industrial Mathematics**

- Dynamics of Structure (Solid Mechanics)
- Numerical Methods in Ordinary Differential Equations (ODEs)
- Fluid Mechanics
- Optimization

**(b) Ph.D Mathematics**

- Dynamics of Structure (Solid Mechanics)
- Numerical Methods in Ordinary Differential Equations (ODEs)
- Fluid Mechanics
- Optimization

**(iii) Department of Physics (PHY)**

**(a) M.Tech. Physics**

- Condensed Matter Physics
- Electronic Measurements & Instrumentation
- Communication Physics
- Radiation and Health/Medical Physics
- Atmospheric Physics

**(b) M.Phil Physics**

**(c) M.Phil/Ph.D Physics**

**(d) Ph.D Physics**

- Condensed Matter Physics
- Electronic Measurements & Instrumentation
- Communication Physics
- Radiation and Health/Medical Physics
- Atmospheric Physics

**(iv) Department of Statistics (STA)**

**(a) M.Tech. Statistics**

**(b) Ph.D Statistics**

- Econometrics
- Mathematical Statistics
- Operations Research

In addition to the above, students for M.Tech. and Ph.D degree programmes may conduct research in the following areas:

- Experimental Design
- Multivariate Analysis
- Quality Control and Technometrics
- Time Series Analysis
- Sample Survey

**9. SCHOOL OF BASIC MEDICAL SCIENCES (SBMS)**

**Postgraduate Diploma (PGD) in Biomedical Technology.**

**10. INSTITUTE OF TECHNOLOGY-ENHANCED-LEARNING AND DIGITAL HUMANITIES (INTEDH)**

**(a) PGD Bioethics**

**(b) PGD Professional and Applied Ethics**

- Business Ethics
- Environmental Ethics
- Ethics of Governance and Public Affairs

**(c) PGD Security and Intelligence Studies**

**(d) PGD English for Specific Purposes**

**(e) PGD Science and Development Communication**

**(f) PGD Technical Communication**

**(g) PGD Digital Literacy**

**(h) PGD Medical Sociology**

**(i) PGD Population Health**

**(j) PGD Library and Information Science**



## **11. COLLABORATION WITH OTHER RESEARCH CENTRES**

(i) The University in collaboration with the Regional Centre for Training in Aerospace Surveys (RECTAS), Ile-Ife, Nigeria, offers Master in Geoinformation Technology (MGIT).

in the following specialization

- (i) Disaster Risk Management
- (ii) Environmental Management
- (iii) Land Resource Management
- (iv) Natural Resource Management
- (v) Hydrology and Water Resource Management
- (vi) Meteorology and Climate Change
- (vii) Soil Analysis and Agricultural Management
- (viii) Health and Social Development
- (ix) Crime Mapping, Peace and Security and Military Intelligence
- (x) Urban Planning and Analysis
- (xi) Geovisualisation and Mapping Technology. <https://afrigist.org/>

(ii) The University also in collaboration with African Regional Centre for Space Science and Technology Education-English (ARCSSTE-E), Ile-Ife, Nigeria (affiliated to the United Nations), offers Master of Space Science and Technology (MSST) in the following Options/specializations:

- (a) Satellite Communication
  - (b) Basic Space Physics
  - (c) Satellite Meteorology, and
  - (d) Remote Sensing and GIS
- [www.arcsstee.org.ng](http://www.arcsstee.org.ng)