

THE UNIVERSITY OF MINES AND TECHNOLOGY (UMaT), TARKWA GHANA

The University

The University of Mines and Technology is committed to excellence in teaching, promotion of knowledge through research and service in the core areas of mineral resource development and technology. The philosophy of UMaT therefore is to guide students to develop their intellectual capabilities and appreciate good social and moral values that will make them world-class graduates capable of providing useful professional services to industry and government.



Facilities and Resources

History

The University of Mines and Technology (UMaT) started as the Tarkwa Technical Institute in November 1952 and became affiliated to Kwame Nkrumah University of Science and Technology (KNUST), Kumasi as Tarkwa School of Mines in 1976. In 2001 the School was granted a college status as Western University College of KNUST.

In November, 2007 the College became the University of Mines and Technology by the University of Mines and Technology, Tarkwa Act, 2004 (AI6 77).

UMaT has benefited from Bilateral AID Projects from German Government through GTZ aimed at staff development and up-grading of laboratory equipment between 1982 and 2000. These developments have enhanced UMaT's human and technical expertise that transformed UMaT in to a centre of excellence for training engineers for the mining and allied industries in Ghana and the West African Sub-region.

Location

The University is located in Tarkwa in the Western Region of Ghana. The University is situated approximately on a 1.39 square-kilometre campus of undulating land and

pleasant surroundings, about 2 kilometres south of the town of Tarkwa. The campus presents a panorama of beautiful old as well as modern buildings interspersed with verdant lawns and tropical flora which provide a cool and refreshing atmosphere congenial to academic work.



Aerial view of University of Mines and Technology, Tarkwa

Halls of Residence

UMaT has two halls of residence. They are the Chamber of Mines Hall and the Gold Refinery Hall. The Chamber of Mines Hall is located at the western end of the campus. The Gold Refinery Hall is located on a highland at the northern outskirts of Tarkwa. The Halls are self-contained, each with its kitchen, dining hall and separate junior and senior common rooms for students and senior members of the halls.

Faculties and Programmes

The programmes of the University are run in two faculties namely: Faculty of Mineral Resources Technology and Faculty of Engineering.

Faculty of Mineral Resources Technology hosts the following programmes:

- Geomatic Engineering
- Geological Engineering
- Mining Engineering
- Mineral Engineering
- Petroleum Engineering

At Faculty of Engineering we have the following:

- Electrical and Electronic Engineering
- Computer Science and Engineering
- Mechanical Engineering
- Mathematics

The University also has a School of Postgraduate Studies that coordinates postgraduate programmes up to PhD level.

Staffing

The University's reputation for teaching, research and service is the result of committed academic and supporting staff made up of the following categories:

Professors	3
Associate Professors	6
Senior Lecturers	9
Lecturers	42
Senior Members (Non academic)	10
Senior Staff	170
Junior Staff	186

Student Enrolment 2008/2009

The current total student population is 1527 of which 1350 are undergraduate students and 177 postgraduate students.

Library Facility

The University Library Complex stocks a wide range of relevant printed and electronic material in all the major disciplines of the University. It stocks about 9,653 volumes, and subscribe to over 36 periodicals.



The University Library

University Relations Office

The University Relations Office is under the Office of the Registrar. Its major responsibilities are to project and maintain the good image and identity of the University and foster good relation with other Universities, corporate bodies and the general public.

It publicizes information and activities of the University. The University Relations Office also hosts the Alumni Centre of the University. The Office, in summary, is the mouth-piece of the University.

Planning and quality Assurance Unit

The planning and Quality Assurance Unit (PQAU) has been set up in the University to ensure quality teaching and learning through peer evaluation, mentoring and assessment of academic staff's teaching performance by their colleagues and students.

Educational Partnerships and Collaboration

UMaT has a fruitful international net working with leading educational institutions in the West African Sub Region and around the world. UMaT has signed Memorandum of Understanding (MoU) to promote scientific, technological and cultural collaboration with the following universities:

Federal University of Nigeria, Owerri
Montana Technology of the University of Montana, USA
The University of South Australia
Cuttington University, Suakoko Liberia
Federal University of Technology (FUTA) Akure, Nigeria
University of Sierra Leone (Fourah Bay College FBC), Sierra Leone
University of Missouri-Rolla, Rolla, USA.

Civic Engagements

UMaT offers consultancy services for the mining communities in the areas of environmental protection, production scheduling and plant design and operation.

Small scale gold mining forms about 10% of youth employment in the country. In a stage of the gold beneficiation process they use mercury to recover gold from concentrates and this results in mercury pollution of water bodies. From a funding from the European Union, UMaT has developed a process for direct smelting of gold concentrates as alternative to the amalgamation process in the quest to prevent mercury pollution.

UMaT has donated one set each of Encyclopaedia Britannica to five Senior High Schools and one public library in Ghana.

UMaT has FM station called Dynamite FM. This station is used to educate the local community on environmental issues of mining, HIV, and public hygiene among others.

UMaT provides technical assistance to a local technology centre (Kristo Asafo Technology Centre), to upgrade the quality of their products and to train their staff.

Members of staff also serve on major government and other boards like:

National Accreditation Board, National Scholarship Board, National Disaster Management Organisation and Ghana Chamber of Mines.