



BME Online



Email: bmeonline@nigerianbme.org; Web: www.nigerianbme.org/cbet/bmeonline

Powered By: College of Biomedical Engineering and Technology, Nigeria,
An Arm: Nigerian Institute for Biomedical engineering
Affiliated to: International Federation for Medical and Biological Engineering

Online Biomedical Engineering Courses

The College of Biomedical Engineering and Technology, CBET Nigeria, an arm of Nigerian Institute for Biomedical Engineering, NIBE in collaboration with the Association of Biomedical Engineers and Technologists of Nigeria, NABET and International Federation for Medical and Biological engineering, IFMBE is proud to present the Online Biomed. Engrg Courses. These are a practically-oriented, e-learning series of courses that uses a combination of online teaching and face-to-face w/shps to equip the bme professional with the required knowledge and skills for practice.

Background of the Online BME Courses

The rapidly expanding medical devices, technologies and systems in the healthcare sector have resulted in longer life spans, a better quality of life, cure and control of diseases. Concurrently, there has been an increase in healthcare costs and safety concerns in addition to other problems in the healthcare. All these add to cause a need for appropriate mgmt of the healthcare technologies and systems. This informs the reason for this online bme courses for purposes of equipping and updating the knowledge, skills of the biomedical engineering professional for practice.

Key Information on the Online Courses:

- * The IFMBE-Accredited online course series offers a 24x7 learning environ available at your home, work or anywhere an internet connection is accessible.
- * The course runs throuot the yr in trimesters (ie. 3X/yr and once every 4 months: <Jan-Apr> | <May-Aug> | <Sept-Dec>).
- * The courses are organized in Modules; each module is made up of 4 units.
- * Each Modular course last 4 wks, 1 unit/wk (Mon-Fri) followed by a 1-day in-person w/ shop at a centre
- * Estimated Time Commitment is 2-4 hrs/wk
- * Medical device problem oriented simulations, videos, interactive online discussions and networking make this course unique.

Target Audience

The courses are designed for: clinical and technical staff working in the healthcare industry; clinical, mgmt and technical staff working in the biomed. engrg and allied industries; academics and other staff of universities, polytechnics and coll of health tech. as well as research insts offering biomed. engrg and allied courses; students and adult learners who want to know more about the exciting field of biomed engrg; career changers moving from a technical, med or other field into the rapidly growing areas of biomedical engrg & techn'logy

The Online BME Course Modules:

1. The Human System (Engineering Analysis of the Human Body)
2. Electronics for Biomedical Engineering Students and Engineers
3. Biomedical Circuit reading and Troubleshooting
4. Health Technologies: Assessment and Mgmt
5. Med. Eqpmt Procurement, Installation & Safety
6. Medical Equipment Inventory and Maintenance Management
7. Clinical Engineering: Education, Training, Certification & Other Professional Issues
8. Cell Regeneration, Tissue Engineering and Organ Replacements
9. WHO and Medical Devices: Policy and Regulatory Issues
10. WHO and Medical Devices: Technical Specifications and Manuals
11. Biomedical Informatics and Software Development in Health
12. Modeling & Simulation of Biomedical Systems
13. Re-Design & fabrication of Biomed. equipment
14. Maintenance and Repairs of Diagnostic Eqmt
15. Maintenance and Repairs of Anaesthetic and resuscitation equipment
16. Maintenance and Repairs of Operating room equipment
17. Maintenance & Repairs of Ultrasound equipment
18. Maintenance & Repairs of X-ray Diagnostic equipment
19. Maintenance & Repairs of Laboratory equipmt
20. Research & Career Development in Biomedical Engineering.

Course fee: Members = N15,000; Students = N7,000; Non-members = N30,000; Overseas = \$100

Accreditation: Each module is credit unit=10, a requiremt for annual certification for professional practice

Payments: All payments should be made into the following College account: Acct Name: College of Biomedical Engineering and Technology; Acct No:0032778196; Bank: Diamond Bank Nig Plc