



Call for Applications: 2020/2021 Admission into Masters and PhD Programmes

The newly established Covenant Applied Informatics and Communication Africa Centre of Excellence (CApIC-ACE) domiciled at Covenant University under the World Bank funded African Centre of Excellence IMPACT project (ACE-IMPACT) invites suitably qualified and highly motivated applicants from Nigeria and West & Central Africa into its Masters and PhD degree programmes in Bioinformatics, Computer Science, Biochemistry and Information & Communication Engineering (ICE).

Sponsorship and intense 3 months English Language Training (for French speaking applicants) will be available for successful applicants.

CApIC-ACE was established based on the urgent need to build a critical mass of indigenous African scientists with the necessary bioinformatics, molecular biology, and information & communications engineering knowledge and skills to drive and sustain impactful researches in the areas of **malaria, prostate and breast cancer as well as cloud & high performance computing** as related to personalized medicine, in collaboration with academic, clinical and industrial institutions in Nigeria, West Africa, Africa, Germany, France, US and UK. Our collaborators have a track record of successful research, training, innovation and technology transfer.

CApIC-ACE is built on the existing infrastructure and personnel as well as externally-funded research projects for malaria and FEDGEN ([NIH H3ABioNet](#), [NIH WASLITBRe](#) and German Science Foundation (aka DFG) being run by [CUBRe](#)) and cancer ([CaPTC](#)) at Covenant University. It hopes to evolve a Federated Genomic (FEDGEN) cloud infrastructure (with in-memory computing and cloud AI capabilities) customized to process and analyze indigenous genomic data to address African health issues including health education, medication efficiency and early disease diagnosis.

Minimum requirement for application:

Master's degree: Second Class Upper (3.5 CGPA or its equivalent) in the relevant fields of study from any recognized University in Nigeria, West or Central Africa.

PhD: Bachelor's and Master's Degrees from any recognized University in Nigeria, West or Central Africa. Direct entry candidates must have a minimum CGPA of 4.0 on a 5.0 scale or its equivalent in M.Sc./M.Eng/M.Tech and a minimum CGPA of 3.5 (second class upper) in the Bachelor's degree.

Applications should be sent to the CApIC-ACE email: ace@covenantuniversity.edu.ng
Also, applicants can attach copies of their academic transcripts (Student copy) including their curriculum vitae among other credentials.

Available programmes in the various colleges include the following:

College of Science and Technology

A. Programme: **Bioinformatics**

***Specializations:* Functional Genomics; Genome Bioinformatics; Network Biology; Population Genetics; Programming; Statistical Genetics; Systems Biology**

B. Programme: **Computer Science**

***Specializations:* Artificial Intelligence; Cybercrime Security/ Digital Forensic; Data Mining; Machine Learning; Mobile Computing; Networking; Software Engineering**

C. Programme: **BioChemistry**

***Specializations:* Molecular Biology; Molecular Oncology and Cancer Research; Pharmacology and Medicinal Plant Research**

College of Engineering

A. Programme: **Information and Communication Engineering**

***Specializations:* AI in Communication Systems; Cloud and High Performance Computing; Internet of Things (IoT) & Big Data Analytics**

Urgent ALERT!!!

Application is currently open for the 2019/2020 Omega Semester (2nd Semester) for Masters and PhD programmes in the College of Engineering, through CApIC-ACE.