



# CHINHOYI UNIVERSITY OF TECHNOLOGY & African Institute of Biomedical Science and Technology



August 2020 INTAKE

Applicants are invited from suitably qualified candidates for admission into the following post graduate programme:

## MASTERS OF SCIENCE IN GENOMICS AND PRECISION MEDICINE

Deadline 29 Feb 2020

**Background:** The African Institute of Biomedical Science and Technology (**AiBST**) and Chinhoyi University of Technology (**CUT**) signed a memorandum of agreement (MOA) to offer a Master degree in Genomics and Precision Medicine. This program is designed to advance the scientific and technical knowledge and translational capabilities required for drugs and diagnostics innovations in the fight against the persistent challenge of infectious diseases and emerging burden of noncommunicable diseases. Graduates of this program will be able to harness the power of genomics for public health precision medicine solutions, thus enable sub Saharan Africa to achieve the SDGs and African Union's Agenda 2063 goals on health and wellbeing.

**Entry requirements:** (i) An honours degree or equivalent in life sciences (biology, biochemistry, biotechnology, pharmacy, medicine, chemistry or any relevant degree); (ii) Not older than 25 years at the time of commencement in August 2020; (iii) a national and currently resident in a country in one of the five regions of Africa, North, West, East, Central and Southern Africa; (iv) possessing English language spoken and written skills to effectively participate in an English taught degree program; and (v) prepared to relocate to Zimbabwe on a full time basis for a period of 2 years.

**Number of students per intake:** A total of 10 students will be taken per stream. Two suitably qualified students, a female and a male will be selected from each of the five (5) African regions; North, West, East, Central and Southern Africa.

**Course duration:** Two (2) years full time. The program comprises two (2) taught semesters over 12 months followed by a research project over 12 months.

**Venue:** Lectures and practical exercises will be held at the African Institute of Biomedical Science and Technology (AiBST). At least 3 months of the research project will be at an international laboratory at a leading University or in Industry.

**Faculty:** The programme will be taught by a global faculty of experts from leading universities and pharmaceutical/biotechnology industry. To view some of the experts, visit our site [www.aibst.com/global](http://www.aibst.com/global)

**Scope of training:** The course will cover key modules that include: Genomics; Genomic Technologies; Bioinformatics and Statistical Genetics; Medical Genetics; Molecular Pathology in Oncology; Genomics in Infectious Diseases; Pharmacogenomics; Legal and Ethical Issues in Biomedical Research; Research Methods, Biostatistics, Laboratory Management and Quality Assurance; Genetic Counselling; Genomics in Sports, Nutrition and Health; Microbiomes in Precision Medicine; Prenatal and New-born Screening; and Biomedical Innovation and Entrepreneurship.

**Career prospects:** Graduates may become Drugs, Vaccines and Diagnostics Research and Development Scientists, Regulators. Graduates may also be entrepreneurs involved in development and commercialisation of biomedical products for technology licensing or new company formation through technology transfer processes. They can also be competitive candidates for doctoral studies.

**Scholarships:** The ten qualifying students will be awarded full scholarship that cover; (i) two return air tickets (one per year) to home country; (ii) registration fees; (iii) full board accommodation that provides breakfast, lunch and dinner, transport to and from residence to AiBST and (v) medical aid cover. Candidates are expected to take care of their other daily requirements not covered by the scholarship. The scholarships are provided for by the European and Developing Countries Clinical Trial Partnership (EDCTP).

**Application Details:** (i) complete the attached application form and attach all requested documents, (ii) submit a one page motivation letter for your application (iii) three recommendation letters from (a) department chair at the university you completed your BSc, (b) head of a life science professional society in your region stating the relevance of the degree for scientific and technical development in your country or region and (c) Ministry of Higher & Tertiary Education or of Health in your country stating the country's needs of the skills you will acquire. Submission will go through two stages of evaluation, first by fellows or representatives of regional and continental organisations and societies in the biomedical field (medical, pharmaceutical, biochemical societies, and academies of science). The participation of these important organisations will ensure that the applicants and final winners are visible in the national, regional and continental research and development ecosystem. The shortlisted candidates will go to the second round, where they will be evaluated by members of AiBST and CUT academic committees via skype interviews.

The application and evaluation process will take 2 months. The winners will be announced in April 2020. The names of the winners will be submitted to the Chinhoyi University of Technology, CUT, for the registration process to start. Accepted students are expected to commence their studies in August 2020 in Zimbabwe.

#### **Submission document format**

Please combine and submit the following documents in one continuous pdf document: 1. Cover application & motivation letter, 2. completed application form, 3. recommendation letter from chair of department you graduated from, 4. recommendation letter from an official representative of a life sciences society in your country/region, 5. recommendation letter from the Ministry of either Health, Technology or Higher and Tertiary Education, 6. your CV in the template format provided

#### **Selection Process**

1. Eligibility screen and notification of those going to go to the second round
2. Review and ranking by representative of Academies of Science, Members of Life Sciences Societies, and research leaders in Genomics and Precision Medicine. This will result in a short list of 20-25 potential candidates
3. Review and further shortlisting to 10 (ten) and 3-standby candidates to take up positions not assumed by any of the top 10 selected candidates.

#### **Program funding agency**

The European and Developing Countries Clinical Trial Partnership



**E D C T P**

#### **One application submission**

There is a concurrent call for a Masters in Pharmaceutical Medicine. You cannot apply for both this Masters in Genomics and Precision Medicine and the Masters in Pharmaceutical Medicine. If you do, you will automatically be disqualified from both applications. Apply only for one of these two degree programs!

#### **For further details and enquiries please contact:**

Alice Mutambiranwa

AiBST

Programme Coordinator

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Email: [aibst.postgraduateprogram@aibst.com](mailto:aibst.postgraduateprogram@aibst.com)



# CHINHOYI UNIVERSITY OF TECHNOLOGY & African Institute of Biomedical Science and Technology



## Application for MSc Genomics and Precision Medicine

1.0 FOR OFFICIAL USE ONLY

Date of receipt: .....day.....month.....year.

### Documents Received/Verified:

### Yes/No

- |   |                          |     |                          |    |
|---|--------------------------|-----|--------------------------|----|
| 1. Documents Received/Verified:   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 2. Certified ID (passport or national ID)   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 3. Certified Birth Certificate  | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 4. Certified certificate or stamped letter from your University of training of competence in written and spoken English             | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 5. Certified Certificate of qualification in a life sciences degree   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 6. Certified transcript of subjects studied and passed for the degree trained   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 7. Applicant's motivation letter  | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 8. Letter of recommendation from the Department Chair   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 9. Support Letter from the Ministry of Health and Child Care and/or Ministry of Higher & Tertiary Education (or related ministries) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 10. Letter of support from a society/association in the life sciences in your country   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 11. Certificate of General Health   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 12. Two reference letter submitted to admissions office by referees   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

**APPLICATION FOR POSTGRADUATE ADMISSION**

**Personal Details**

2.0

1. Surname:
2. First Names:
3. Title (e.g. Dr./ Mr. / Ms./Miss):
4. Previous Name (If applicable):
5. Date of Birth:
6. Place of Birth:
8. Marital Status: Single(s)/ Married (M)/ Divorced (D)/ Widowed (W)
9. I.D Number:
10. Race: Black (B)/ White (W)/ Asian (A)/ Other (O)   
if other; specify:
11. Nationality:
12. Sex: Male  Female
13. Province
14. Are you a permanent resident of Zimbabwe: Yes (Y)/ No (N):  Yes  No
15. Period/ Year of residence in Zimbabwe
16. Religion:

**CONTACT DETAILS OF THE NEXT OF KIN**

- 1.Name of Next of Kin  2.Relationship
- 3.Contact Address of Next Kin
- 4.Telephone number  5.Next of Kin's Email address
- 6.Next of Kin Cell Phone Number





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## APPLICATION FOR POSTGRADUATE ADMISSION

### 3.0 DISABILITIES OR SPECIAL NEEDS

a) Disabilities or Special Needs: If you have a disability, special needs or a medical condition which affect your studies please give details below, and indicate the disability category.  Yes  No

Disability or Special Needs Details

b) Do you have any criminal convictions?  Yes  No

If YES, give details.

### 4.0

#### CONTACT DETAILS

1.Contact Address:

2.Home Telephone: Code:   
Telephone Number

3.Other Contact Tel.: Code   
Telephone Number

4. Cell phone Number:

5. E-mail Address:



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## APPLICATION FOR POSTGRADUATE ADMISSION

### 5.0 Your Education (secondary and post-secondary) including professional

Date (from to)		Institution (include location)	Subject(s)	Results (e.g. BSc Hons, 2.1)
Month	Year			

### 6.0 Your Employment/Professional Experience/Unpaid Occupation

Dates (from to)		Brief details (e.g. job title, company name, main responsibilities)
Month/year	Month/year	



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## APPLICATION FOR POSTGRADUATE ADMISSION

### 7.0 DECLARATION

I can confirm that the information on this form is complete and accurate and that no information requested has been omitted.

I give my consent to the processing of my data by Chinhoyi University of Technology (CUT) and the African Institute of Biomedical Science and Technology (AiBST). I have read the Notes for Guidance and I undertake to be bound by the conditions set out therein.

**Signature**

**Date**

### 8.0 PERSONAL STATEMENT (not more than one page, double spacing and font 12)

This is an important section and the Admissions staff will pay particular attention to what you write here. You should explain why you are applying for this postgraduate programme, what you expect to achieve from it, and how it relates to your academic and career development.