



**UNIVERSITY OF DAR ES SALAAM**  
MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)

# UNDERGRADUATE PROGRAMMES **CAREER** GUIDE



Unlock your potential, explore endless possibilities, and pave your path to success with our comprehensive career book, guiding you towards a bright future.



2023



**UNIVERSITY OF DAR ES SALAAM**  
**MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)**



**MUCE UNDERGRADUATE  
PROGRAMMES CAREER GUIDE**

**2023**

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## PREFACE

Welcome to the University of Dar es Salaam! We are excited that you have discovered the Undergraduate Programmes Career Guide. This guide is designed to be a resource for you during every step on your career journey at UDSM and beyond. Engaging with the university and our resources is one of the most important things you can do during your time at UDSM. One of our primary goals is to demystify the career exploration process in relation to the degree application process and, to support you as you plan your future career pathway. Career guidance plays an important role in helping our graduates and the job market meet their goals. A career should be chosen with utmost care, thought and planning. We believe that our prospective students have different innate capacities and abilities and hence, aptitudes for different kinds of work. We want you to match your occupational aspirations with the degree programmes we offer for mutual benefits. We strongly believe that this guide shall promote equity for all our future graduates.

Recent evidence suggests that social mobility relies on wider acquisition not just of knowledge and skills, but also understanding how to use them (competence). In this context, the mission of career guidance is fast becoming part of lifelong learning. Not only does it help students reflect on their interests, ambitions, abilities, and future qualifications but it also helps students to understand the product market and education system. Overall, career guidance tries to teach us to plan and make decisions about work and learning.

This career guide will help familiarize you with various academic units and the programmes that they offer at our esteemed Mkwawa University College of Education. The guide shall also familiarize you with the processes involved in identifying careers and their linked degree programmes. If you choose to join the University of Dar es Salaam, you will want to keep this guide handy throughout your time at UDSM as it will help you at each stage of your journey. Use this guide to explore career pathways that match your skills and interests. Use it to learn how to expand your competencies and to present them to employers in a way that lets them see your talents and abilities. In the following pages, you will find relevant and valuable information pertaining to programme expected learning outcomes and career prospects for graduates of the degree programme. For the first time, we have aggregated the career prospects to include formal employment, entrepreneurial and community-based opportunities. These improvements are aligned with the prevailing technological, social and economic advancements that our graduates face as they enter the job race. Additionally, if you are exploring degree programmes, you will find information on the programme description.

This career guide is for ALL MUCE undergraduate students no matter where you are in the career exploration or job search process. We hope that all your questions on what career shall you pursue by applying for which degree are answered in this guide.

Karibu UDSM, Karibu MUCE!

Prof. Bonaventure S. Rutinwa  
**Deputy Vice Chancellor - Academic**

## PRINCIPAL'S MESSAGE

Mkwawa University College of Education (MUCE) is a Constituent College of the University of Dar es Salaam, an esteemed higher learning institution in Tanzania, Africa and beyond. The College is located in Iringa, Tanzania. It was established in 2005, and it is recognised as one of the best higher learning institutions based on its commitment to providing high-quality teacher education programmes.

As a leading college of education, MUCE strives to nurture competent and ethical educators who can contribute effectively to the development of the education sector in Tanzania and beyond. The College emphasizes the importance of equipping future teachers with the necessary knowledge, skills, and values to foster positive learning environments and promote educational excellence.

MUCE offers a wide range of degree programmes designed to cater to the diverse educational needs of students. These degree programmes offered include Bachelor of Education in Arts, Bachelor of Education in Science, Bachelor of Arts with Education, and Bachelor of Science with Education.

The College has started to offer one non-teacher education programme designed for students interested in pursuing a career in the field of Chemistry (Bachelor of Science in Chemistry). The introduction of this programme exemplifies MUCE's dedication to creating new degree programmes that address urgent challenges within the community while simultaneously staying abreast of advancements in science and technology.

Prof. Esther W. Dungumaro  
**Principal**  
**Mkwawa University College of Education**

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## ABBREVIATIONS AND ACRONYMS

MUCE	Mkwawa University College of Education
NGO	Non-Governmental Organisation
UDSM	University of Dar es Salaam
CDF	Capital Development Fund



## UNDERGRADUATE DEGREE PROGRAMMES OFFERED

The Mkwawa University College of Education (MUCE) comprises three faculties, namely, Faculties of Education, Humanities and Social Sciences, and Science. These academic units offer 5 undergraduate degree programmes, as listed below:

- a. Bachelor of Education in Arts
- b. Bachelor of Education in Science
- c. Bachelor of Arts with Education
- d. Bachelor of Science with Education
- e. Bachelor of Science in Chemistry



CDF Lecture Theatre - the State-of-the-Art Lecture Theatre in the Region

### Faculty of Education

#### Bachelor of Education in Arts

This is a three-year programme. The programme covers a wide range of educational courses and minor subject-content components selected from among arts subjects. It produces graduates with a good understanding of educational issues in the country, the region and the world in general.

#### LEARNING OUTCOMES

At the end of the programme, graduates shall be able to:

- a. Demonstrate a comprehensive knowledge of the general principles of education and its theoretical perspectives in teaching and learning, administration, management, and curriculum.
- b. Demonstrate the content knowledge of their chosen teaching subjects and the professional ethics for the moral and professional conduct of teachers and other personnel in the practice of education in society.
- c. Show mastery in the analysis of syllabuses and preparation of teaching plans, prepare teaching-learning aids/media and select and use appropriate teaching-learning methods and strategies.
- d. Provide guidance and counselling to students and staff where necessary and in line with national educational standards and regulations.
- e. Demonstrate an ability to assume responsibilities and leadership roles in and outside the teaching profession within the community and wider society and demonstrate skills and knowledge on curriculum design and implementation, teaching methodologies, as well as skills in education management and administration.

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## CAREER PROSPECTS

- a. **Entrepreneurial opportunities:** Graduates of the programme can establish entrepreneurial prospects in various areas in advocacy and lobbying for educational matters, establishment of educational businesses such as schools, educational support services and institutions, consultant for educational services such as scholarships agencies, educational support services.
- b. **Employment opportunities:** Graduates of the programme can consider employment opportunities in ministries and ministerial departments, higher education institutions, and teacher training colleges. Graduates of the programme can be employed as education officers, curriculum developers, educational analysts, examination officers, training officers, education programme officers, educational advisors, educational specialists, educational book authors, teachers, school managers, government educational officers, educational logistics officers, educational counsellors, educational researchers etc.
- c. **Leadership/Community-based opportunities:** Graduates of the programme can also consider leadership roles or community-based roles where they can use their knowledge and skills in volunteering and provision of educational support services in the community.

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## Bachelor of Education in Science

This is a three-year degree programme. The programme covers a wide range of educational courses and minor subject-content components selected from among science subjects. It produces graduates with a good understanding of educational issues in the country, the region and the world at large.

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## LEARNING OUTCOMES

At the end of the programme, graduates shall be able to:

- a. Demonstrate a comprehensive knowledge of the general principles of education and its theoretical perspectives in teaching and learning, administration, management, and curriculum.
- b. Demonstrates the content knowledge of their chosen teaching subjects and the professional ethics for the moral and professional conduct of teachers and other personnel in the practice of education in society.
- c. Show mastery in the analysis of syllabuses and preparation of teaching plans, prepare teaching-learning aids/media and select and use appropriate teaching-learning methods and strategies.
- d. Provide guidance and counselling to students and staff where necessary and in line with national educational standards and regulations.
- e. Demonstrate an ability to assume responsibilities and leadership roles in and outside the teaching profession within the community and wider society and demonstrate skills and knowledge on curriculum design and implementation, teaching methodologies, as well as skills in education management and administration.

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- b. **Employment opportunities:** Graduates of the programme can consider employment opportunities in ministries and ministerial departments, higher education institutions, and teacher training colleges. Graduates of the programme can be employed as education officers, curriculum developers, educational analysts, examination officers, training officers, education programme officers, educational advisors, educational specialists, educational book authors, teachers, school managers, government educational officers, educational logistics officers, educational counsellors, educational researchers etc.

- c. **Leadership/Community-based opportunities:** Graduates of the programme can also consider leadership roles or community-based roles where they can use their knowledge and skills in volunteering and provision of educational support services in the community.



We build strong foundations by empowering young minds.

## Faculty of Science

### Bachelor of Science with Education

This programme offers courses leading to the award of a Bachelor of Science with Education degree. The overall objective of the programme is to enable students to develop sufficient mastery of the subject matter and competence in teaching sciences, as well as in pedagogy.

#### LEARNING OUTCOMES

At the end of the programme, graduates shall be able to:

- Demonstrate a comprehensive knowledge of the general principles of education and its theoretical perspectives in teaching and learning, administration, management, and curriculum.
- Demonstrates the content knowledge of their chosen teaching subjects and the professional ethics for the moral and professional conduct of teachers and other personnel in the practice of education in society.
- Show mastery in the analysis of syllabuses and preparation of teaching plans, prepare teaching-learning aids/media and select and use appropriate teaching-learning methods and strategies.
- Provide guidance and counseling to students and staff where necessary and in line with national educational standards and regulations.
- Demonstrate an ability to assume responsibilities and leadership roles in and outside the teaching profession within the community and wider society and demonstrate skills and knowledge on curriculum design and implementation, teaching methodologies, as well as skills in education management and administration.

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## SPECIALISATIONS IN THE B.Sc. (EDUCATION) DEGREE PROGRAMME

Students enrolled in the B.Sc. Education programme are required to take two teaching subjects (content courses) and Education courses. The following teaching subject combinations are offered:

- a. Biology and Chemistry
- b. Biology and Geography
- c. Mathematics and Chemistry
- d. Mathematics and Economics
- e. Mathematics and Geography
- f. Mathematics and Information Science
- g. Physics and Chemistry
- h. Physics and Mathematics

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## CAREER PROSPECTS

- a. **Entrepreneurial opportunities:** Graduates of the programme can establish entrepreneurial prospects in various areas in advocacy and lobbying for educational matters, establishment of educational businesses such as schools, educational support services and institutions, consultant for educational services such as scholarships agencies, educational support services.
- b. **Employment opportunities:** Graduates of the programme can consider employment opportunities in ministries and ministerial departments, higher education institutions, and teacher training colleges. Graduates of the programme can be employed as education officers, curriculum developers, educational analysts, examination officers, training officers, education programme officers, educational advisors, educational specialists, educational book authors, teachers, school managers, government educational officers, educational logistics officers, educational counsellors, educational researchers etc.
- c. **Leadership/Community-based opportunities:** Graduates of the programme can also consider leadership roles or community-based roles where they can use their knowledge and skills in volunteering and provision of educational support services in the community.

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## Bachelor of Science in Chemistry

This is a three-year programme. The programme produces graduates with a wide range of skills and knowledge of chemical principles.

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## LEARNING OUTCOMES

At the end of the programme, graduates shall be able to:

- a. Demonstrate a comprehensive understanding of chemistry, together with their concepts needed for research and teaching.
- b. Demonstrate knowledge and skills that apply in establishing links between academia, research output and industry, and transfer skills in advanced chemistry for application in real work environment.
- c. Conduct scientific research and the preparation of the report thereof and establish and manage chemical systems in teaching, research and industry.
- d. Apply new and acquired knowledge to undertake independent work/research, apply acquired knowledge to address societal problems related to chemistry aspect, and apply and keep pace with new and appropriate methods/techniques in chemistry for value addition.
- e. Establish and manage businesses in the chemical and allied industries.
- f. Demonstrate competencies necessary for establishing and managing businesses in the chemical and allied industries.

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## CAREER PROSPECTS

- a. **Entrepreneurial opportunities:** Graduates of the programme can engage in professional consultancy services and venture into private firms of the graduate's field of specialities, including environmental impact assessment, production of chemical materials such as natural pesticides, natural fertilizers, disinfectants, soaps and detergents.

- b. **Employment opportunities:** Graduates of the programme can be employed by pharmaceutical industries, research institutions, agricultural products processing and agricultural pest control agents, food processing industries, textile industries, plastics industries, mining industries, and government agencies, authorities and institutions. They can also be employed by construction industries, fertiliser manufacturing industries, brewing and bottling industries, pulp and paper industries, paint manufacturing industries, metal-works industries and environmental management and impact assessment agencies/companies.
- c. **Leadership/Community-based opportunities:** Graduates of the programme shall have a potential to offer leadership and advice to NGOs and community-based environmental conservation groups.



Students in the Faculty of Science during practical sessions

## Faculty of Humanities and Social Sciences

### Bachelor of Arts with Education

This is a three-year degree programme that aims at preparing graduate teachers. The degree programme equips the graduates with skills and knowledge on various disciplines including Kiswahili, Geography, Economics, French, English language, English literature, History, and Political Science. Furthermore, graduates in the B.A. (Education) programme are equipped with.

#### LEARNING OUTCOMES

At the end of the programme, graduates shall be able to:

- a. Demonstrate a comprehensive knowledge of the general principles of education and its theoretical perspectives in teaching and learning, administration, management, and curriculum.
- b. Demonstrates the content knowledge of their chosen teaching subjects and the professional ethics for the moral and professional conduct of teachers and other personnel in the practice of education in society.
- c. Show mastery in the analysis of syllabuses and preparation of teaching plans, prepare teaching-learning aids/media and select and use appropriate teaching-learning methods and strategies.
- d. Provide guidance and counselling to students and staff where necessary and in line with national educational standards and regulations.
- e. Demonstrate an ability to assume responsibilities and leadership roles in and outside the teaching profession within the community and wider society and demonstrate skills and knowledge on curriculum design and implementation, teaching methodologies, as well as skills in education management and administration.

## SPECIALISATIONS IN THE B.A. (EDUCATION) DEGREE PROGRAMME

Students enrolled in the B.A. Education programme are required to take two teaching subjects (content courses) and Education courses. Therefore, the degree programme produces teachers specialised in two of the following courses or subjects:

- a. History and Geography
- b. History and English
- c. History and Kiswahili
- d. English and Kiswahili
- e. English and Geography
- f. English and French
- g. History and Political Science (Civic education)
- h. English and English Literature

## CAREER PROSPECTS

- a. **Entrepreneurial opportunities:** Graduates of the programme can establish entrepreneurial prospects in various areas in advocacy and lobbying for educational matters, establishment of educational businesses such as schools, educational support services and institutions, consultant for educational services such as scholarships agencies, educational support services.
- b. **Employment opportunities:** Graduates of the programme can consider employment opportunities in ministries and ministerial departments, higher education institutions, teacher training colleges, secondary and primary schools. Graduates of the programme can be employed as education officers, curriculum developers, educational analysts, examination officers, training officers, education programme officers, educational advisors, educational specialists, educational book authors, teachers, school managers, government educational officers, educational logistics officers, educational counsellors, educational researchers etc.
- c. **Leadership/Community-based opportunities:** Graduates of the programme can also consider leadership roles or community-based roles where they can use their knowledge and skills in volunteering and provision of educational support services in the community.



Chancellor of UDSM and former President of the United Republic of Tanzania, Hon. Dr. Jakaya Mrisho Kikwete shaking hand with an overall best student Mr. Chesco Sanga from the Faculty of Humanities and Social Sciences at the 14th MUCE Graduation Ceremony.



# FOLLOW THE RIGHT PATH

