ADMISSION ELIGIBILITY

COMPREHENSIVE ANALYSIS REPORT

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PREPARED FOR

Candidate

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Executive Summary

Key Metrics	Results
Total Universities Analyzed	**3**
Highly Eligible Programs	**0**
Alternative Options	**4**
Analysis Date	**8/3/2025**

Detailed University Analysis

University Eligibility Report

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KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

• Type: PUBLIC   • Location: Kumasi

Alternative Programs

Program Name	Match Score	Cutoff Points
BSC Physics	**60%**	MATHEMATICS(CORE): C6 ENGLISH LANG: C6 SOCIAL STUDIES: D7 CHEMISTRY: D7 PHYSICS: B3 INTEGRATED SCIENCE: C6

Alternative   DOMAIN: Engineering & Technology

Career Insights: BSC Physics

Career Path

Year 1: Teaching assistant, tutoring. Develop programming (Python) skills. Year 2: Research assistant at a university. Gain data analysis skills. Begin MSc Physics. Year 3: Complete MSc, pursue relevant certifications (e.g., data science). Year 4: Lecturer/Research Scientist at a university or research institution. Year 5: Senior Research Scientist/Industry role (renewable energy, telecoms). Skills: Programming, data analysis, research methodology, teaching. Certifications: Data Science, relevant software. Salary progression: Negotiable, based on experience and employer. Employers: Universities, research institutions, private sector.

Job Opportunities

Entry-level: Lab technician, research assistant, science teacher. Career progression: Senior research scientist, university lecturer, project manager, quality control specialist. Key industries: Education, research institutions (CSIR, KNUST), telecommunications, energy (renewable energy). Salary ranges: GH¢1,500-GH¢5,000 (entry-level); GH¢6,000+ (experienced). Note: Salaries vary greatly depending on experience and employer.

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Future Prospects

Optimistic Scenario: • Strong government investment in STEM boosts R&D & creates jobs. • Rapid adoption of renewable energy & ICT creates high demand for physicists. • Many graduates find specialized roles in emerging tech (AI, nanotech). • High starting salaries and excellent career progression. Moderate Scenario: • Gradual growth in tech sectors creates some job opportunities. • Competition for limited positions remains high. • Many graduates pursue further studies or find roles outside core physics. • Moderate salaries and career progression. Conservative Scenario: • Limited government funding hinders tech development. • Job market remains saturated; many graduates face unemployment. • Low salaries and limited career prospects. • Many resort to alternative career paths.

Program Name	Match Score	Cutoff Points
BSc. Information Technology	**60%**	MATHEMATICS(CORE): D7 MATHEMATICS(ELECT): C6 ENGLISH LANG: D7 SOCIAL STUDIES: D7 GOVERNMENT: D7 INTEGRATED SCIENCE: D7

Alternative   DOMAIN: Engineering & Technology

Career Insights: BSc. Information Technology

Career Path

Year 1: Entry-level IT role (Helpdesk/Tech Support). Gain foundational skills: networking, troubleshooting. CompTIA A+ certification. Salary: GHS 1,500-2,000. Employer: Small IT firm. Year 2: Junior IT Analyst. Develop programming skills (Python/Java). Obtain ITIL Foundation certification. Salary: GHS 2,500-3,500. Employer: Mid-sized company. Year 3: IT Analyst. Specialize (e.g., database admin, web dev). Microsoft certifications relevant to specialization. Salary: GHS 4,000-5,000. Employer: Same or larger company. Year 4: Senior IT Analyst/Team Lead. Project management skills, leadership training. Agile/Scrum certification. Salary: GHS 6,000-8,000. Employer: Larger company/multinational. Year 5: IT Manager/Specialist. Deep expertise in chosen area. Industry-specific certifications. Salary: GHS 10,000+. Employer: Large organization/government.

University Eligibility Report

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Job Opportunities

Entry-level: IT Support Specialist, Junior Software Developer, Web Developer, Data Entry Clerk. Career Progression: Senior Developer, IT Manager, Systems Analyst, Database Administrator, Cybersecurity Analyst. Key Industries: Telecoms, Banking, Fintech, Software Development companies, NGOs. Salary Ranges: GH₵ 1,000 - GH₵ 3,000 (entry-level), GH₵ 4,000+ (mid-career). Not on experience and employer.

Future Prospects

Optimistic Scenario: • Strong growth in Fintech, AI, and Cybersecurity. • Government invests heavily in digital infrastructure & skills training. • High demand for IT graduates; competitive salaries. • Numerous startups and foreign investment boost job market. • In-demand skills: AI/ML, Cybersecurity, Cloud Computing, Data Analytics. Moderate Scenario: • Steady growth in IT, but slower than optimistic. • Government support moderate; some infrastructure improvements. • Moderate job market; competitive salaries, but potential for unemployment. • Industry growth aligns with GDP growth. • In-demand skills: Software Development, Networking, Database Management, Web Development. Conservative Scenario: • Limited growth due to economic challenges and competition. • Insufficient government support; limited infrastructure investment. • High unemployment; low salaries; difficulty securing jobs. • Industry growth stagnant or slow. • In-demand skills limited to basic IT support roles.

UNIVERSITY OF CAPE COAST

• Type: PUBLIC

• Location: Cape Coast

Alternative Programs

Program Name	Match Score	Cutoff Points
BSC Computer Science	**60%**	MATHEMATICS(CORE): D7 MATHEMATICS(ELECT): D7 ENGLISH LANG: C6 SOCIAL STUDIES: C6 CHEMISTRY: D7 PHYSICS: C6 INTEGRATED SCIENCE: C6

Alternative DOMAIN: Engineering & Technology

Career Insights: BSC Computer Science

Career Path

Year 1: Entry-level developer role (GH¢1,500/month). Learn basic programming (Python, Java). Obtain CompTIA A+. Year 2: Junior developer (GH¢2,000/month). Focus on web development (HTML, CSS, JavaScript). Get Certified Ethical Hacker (CEH) certification. Year 3: Mid-level developer (GH¢2,500/month). Specialize in a niche (e.g., mobile, data science). Learn Agile methodologies. Year 4: Senior developer (GH¢3,500/month). Lead projects, mentor juniors. Obtain AWS Certified Developer. Year 5: Team Lead/Software Engineer (GH¢4,500/month). Manage teams, deliver complex projects. Employers: MTN, Vodafone, banks, tech startups. Skills: problem-solving, teamwork, communication. Note: Salary is estimated & may vary. Weak English needs improvement.

Job Opportunities

Entry-level: Software Developer, Junior Web Developer, IT Support Specialist, Data Analyst. Career Progression: Senior Developer, Team Lead, Project Manager, IT Manager, CTO, Data Scientist. Key Industries: Fintech, Telecom, IT Services, Government, Education. Salary Ranges: Entry-level: GH¢1,000-GH¢2,500/month. Experienced: GH¢3,000-GH¢10,000+/month (highly variable).

Future Prospects

Optimistic Scenario: • Strong gov't investment in tech, boosting job creation. • High demand for AI, cybersecurity, data science skills. • Rapid growth of tech startups, attracting global talent. • Graduates easily find high-paying jobs. Moderate Scenario: • Steady growth in tech sector, but competition increases. • Demand for specialized skills (AI, cloud) outweighs generalist roles. • Some unemployment, especially for graduates lacking practical experience. • Moderate salary growth. Conservative Scenario: • Slow economic growth limits tech sector expansion. • Limited government support for the tech sector. • High unemployment among graduates due to limited job creation. • Stagnant or low salary growth.

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CATHOLIC UNIVERSITY

• Type: PRIVATE   • Location: Fiapre

Alternative Programs

Program Name	Match Score	Cutoff Points
BSc. Nursing	**60%**	MATHEMATICS(CORE): C6 ENGLISH LANG: C6 SOCIAL STUDIES: C6 ECONOMICS: D7 PHYSICS: D7 INTEGRATED SCIENCE: C6

Alternative   DOMAIN: Health And Allied Sciences

Career Insights: BSc. Nursing

Career Path
Year 1: Staff Nurse at a regional hospital. Focus: Basic nursing skills, patient care. Certification: BLS. Skill: Bedside manner. Salary: GHS 1,500 Year 2: Gain experience, mentorship. Certification: ACLS. Skill: IV cannulation. Salary: GHS 2,000 Year 3: Community health nursing role. Certification: Wound care. Skill: Public health. Salary: GHS 2,500 Year 4: Specialization (e.g., pediatrics). Skill: Pediatric care. Salary: GHS 3,000. Year 5: Midwifery certification. Advanced nursing role. Skill: Labor & delivery. Salary: GHS 3,500 Employers: Regional hospitals, clinics, NGOs (e.g., Marie Stopes), private hospitals. Note: Salary progression is an estimate and depends on employer and performance. The weak English grade might hinder advancement, so improvement is crucial.

Job Opportunities
Entry-level: Staff Nurse, Midwife, Community Health Nurse. Career Progression: Nurse Manager, Clinical Specialist, Nursing Educator, Public Health Nurse. Key Industries: Hospitals (public & private), Clinics, NGOs, International Organizations. Salary Ranges: GHS 1,500 - 4,000+/month (highly variable based on experience & employer).

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Future Prospects

Optimistic Scenario: • Strong government investment in healthcare infrastructure & technology. • High demand for nurses due to aging population & improved healthcare access. • Rapid adoption of telehealth & digital health records boosts efficiency & job creation. • Excellent career progression opportunities with specialized training in emerging fields (e.g., telehealth, geriatrics). Moderate Scenario: • Steady government investment in healthcare, some challenges in implementation. • Moderate demand for nurses, competitive job market. • Gradual adoption of technology; some hospitals lag. • Need for continuous professional development to remain competitive. Conservative Scenario: • Limited government funding; healthcare infrastructure development slow. • Stagnant or declining demand for nurses due to economic downturn. • Slow technological adoption; limited opportunities in specialized areas. • High competition, potential for salary stagnation or emigration.

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