

**UNIVERSITY OF ENERGY AND NATURAL RESOURCES (UENR)**



**Application Guidelines and Entry Requirements for the 2024/2025 Academic  
Year for Diploma and Undergraduate Programmes**

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**E-MAIL**  
[admissions@uenr.edu.gh](mailto:admissions@uenr.edu.gh)

**Tel: 0553581475/05525903/0205475443**

## **1. GENERAL INFORMATION ABOUT THE UNIVERSITY**

The University of Energy and Natural Resources (UENR) was established by an Act of Parliament, 2011 (Act 830). The University is a public funded institution of higher learning and research with an additional mandate to provide leadership in the sciences, engineering, technology and management of energy and natural resources. The overall aim is to become a centre of excellence in these critical areas. The University approaches its programmes and research with strong emphasis on interdisciplinary collaboration in the areas of economics, law and policy, management, science, technology, and engineering as well as socio-political issues that affect energy and the management of natural resources. These objectives are pursued through student centred didactic methods in research, teaching and learning. The University admitted its pioneering students of 154 in 2012 and currently has over 14,000 enrolled students pursuing various diploma, undergraduate and graduate programmes at the Sunyani and Dormaa campuses. Teaching and research activities are undertaken by committed faculty and supported by administrative staff to make sure that institutional aims and objectives are achieved.

### **1.1 Vision Statement**

To become a world-class institution for generating, advancing, and applying knowledge in energy and natural resource sciences.

### **1.2 Mission Statement**

To promote the development of human resources and skills required to solve critical energy and natural resources challenges of society and undertake interdisciplinary academic, research and outreach programmes in engineering, science, economics, and environmental policy.

### **1.3 Core Values**

To realise its vision and mission, the University of Energy and Natural Resources is guided by the following core values: innovation, creativity, freedom of thought and creative expression, operate with integrity, commitment and transparency, promote conservation of energy and the environment, and establish partnership with stakeholders in skills and knowledge generation and application, respond to needs of our students and partner communities, promote and incorporate sustainability concepts across all University courses/programmes as well as exemplifying the sustainability culture of staff, students, and alumni.

## 1.4. Schools

The University currently is organised under the following Schools:

- School of Engineering
- School of Energy
- School of Sciences
- School of Natural Resources
- School of Agriculture and Technology (Dormaa Ahenkro Campus)
- School of Geosciences (Dormaa Ahenkro Campus)
- School of Mines and Built Environment
- School of Arts and Social Sciences
- School of Graduate Studies

## 1.5 Academic Programmes

### 1.5.1 Diploma Programmes

- § Diploma in Natural Resources Management
- § Diploma in Fire, Safety & Disaster Management
- § Diploma in Computer Science
- § Diploma in Information Technology
- § Diploma in Statistics
- § Diploma in Geoinformation Science
- § Diploma in Geomatics

### 1.5.2 Undergraduate Programmes

- § BSc. Agriculture
- § BSc. Agribusiness
- § BSc. Agricultural and Resource Economics
- § BSc. Natural Resources Management
- § BSc. Hospitality Management
- § BSc. Fire, Safety & Disaster Management
- § BSc. Aquaculture and Aquatic Resources Management
- § BSc. Actuarial Science
- § BSc. Biological Science
- § BSc. Chemistry
- § BSc. Computer Science
- § BSc. Information Technology
- § BSc. Mathematics
- § BSc. Medical Laboratory Science
- § BSc. Nursing

- § BSc. Statistics
- § BSc. Planning and Sustainability
- § BSc. Climate Change and Sustainable Development
- § BSc. Entrepreneurial Management
- § BSc. Accounting
- § BSc. Economics
- § BSc. Mechanical Engineering
- § BSc. Environmental Engineering
- § BSc. Renewable Energy Engineering
- § BSc. Computer Engineering
- § BSc. Petroleum Engineering
- § BSc. Civil Engineering
- § BSc. Electrical and Electronic Engineering
- § BSc. Agricultural Engineering
- § BSc. Geomatics
- § BSc. Geoinformation Science
- § BSc. Applied Meteorology and Climate Science

## 1.6. General Entry Requirements

### 1.6.1

#### *Regular Applicants*

#### (a) 4-Year Degree Programmes

- **SSSCE Candidates:** Passes (A-D) in six (6) subjects comprising three core subjects, including English and Mathematics, plus three (3) relevant elective subjects.
- **WASSCE Candidates:** Credit Passes (A1-C6) in six (6) subjects comprising three core subjects, including English language and Mathematics, plus three (3) relevant elective subjects.
- **General Certificate of Education (GCE) Advanced Level Candidates:** Passes in three (3) subjects (at least, one of the passes should be Grade D or better). Also, the applicant must have had credit passes (Grade 6) in five GCE Ordinary Level subjects including English, Mathematics and a Science subject (for non-science students) and an Arts subject for (Science students).
- **Advanced Business Certificate Examination (ABCE) holders:** Passes in three (3) subjects (at least, one of the passes should be Grade D or better). Also, the applicant must have had credit passes in five (5) subjects including English Language, Mathematics, Integrated Science or Social Studies in the General Business Certificate Examination (GBCE).
- **Admission of Higher National Diploma (HND) Candidates to First Degree Programmes:** Applicants must have graduated with a good HND

certificate (i.e. at least 2nd Class Lower Division). In addition, the applicant must have acquired a 2-year post-HND qualification working experience. Other Diploma qualifications from elsewhere assessed to be equivalent to HND may be similarly considered.

- **All foreign qualifications should be referred to the Ghana Tertiary Education Commission (GTEC) for determination of equivalences and eligibility for admission to tertiary institutions in Ghana.**

**b) All Diploma Programmes:**

- **Science and Technology Programmes:** WASSCE Candidates with Credit Passes (A1-C6) in five (5) subjects comprising three core subjects, English language, Integrated Science and Mathematics, plus two (2) elective subjects.
- **Arts, Business and Humanities Programmes:** WASSCE Candidates with Credit Passes (A1-C6) in five (5) subjects comprising three core subjects, including English Language and Mathematics, plus two (2) elective subjects.

### **1.7. Sale of Vouchers**

Applicants should purchase an e-voucher containing **Application Number and PIN for Two Hundred and Twenty Ghana Cedis only (GHS 220)** from the following sale points:

- Ghana Post Offices nationwide (Alternatively dial **\*447\* 160#** on all networks and follow the instructions).
- GCB Bank branches nationwide.
- Zenith Bank branches nationwide.
- UENR Finance Directorate, Main Campus, Sunyani.
- UENR Accra Office, located in the Office Complex of the Vice Chancellors Ghana (VCG), Accra. (Contact person: Mr. Richard Hammond. Tel: 0246565451).

### **1.8 Preparatory Classes/Entrance Examination for Mature Applicants**

Applicants may be invited to participate in mandatory preparatory classes to enable them to prepare adequately for the entrance examination. Applicants shall write the entrance examination (English Language, Mathematics and Aptitude Test) on a date to be specified after the close of sale of vouchers. Date for the Mature Entrance Examinations will be communicated to all applicants.

## **1.9. General Application Guidelines**

All applicants are required to complete the online application registration at <https://admissions.uenr.edu.gh/> using the Application Number and PIN.

**Deadline for Applications: November 30, 2024**

## **1.10. Foreign Applicants/Ghanaians Abroad**

Foreign applicants and Ghanaians living abroad should email [admissions@uenr.edu.gh](mailto:admissions@uenr.edu.gh) and receive details for the online application.

## **1.11. 2024 WASSCE Candidates**

**CANDIDATES FOR THE WEST AFRICAN SENIOR SCHOOL CERTIFICATE EXAMINATION, 2024** can also apply. Such applicants must select "Awaiting Results" in place of the grade in the online application portal.

## **1.12. Further Enquiries**

All prospective applicants must visit the 'Admissions' page on the University website <https://uenr.edu.gh/> to read about detailed instructions on programme requirements, how to apply, and any other important information about the University. Prospective applicants must only begin the application process after carefully reading the instructions.

## **1.13. Admission Contacts:**

0553581475/0552590370/0205475443

EMAIL: [admissions@uenr.edu.gh](mailto:admissions@uenr.edu.gh)

## **1.14. Please Note Carefully**

ADMISSION TO THE UNIVERSITY IS TRANSPARENTLY ADMINISTERED WITHOUT ANY OTHER CONSIDERATIONS. ANY APPLICANT WHO MAKES ANY FORM OF SOLICITATION TO ANY PERSON FOR THE PURPOSE OF GAINING ADMISSION INTO THE UNIVERSITY DOES SO AT HIS/HER OWN RISK.

## **2. SPECIFIC ADMISSION REQUIREMENTS FOR ACADEMIC PROGRAMMES ON OFFER FOR THE 2024/2025 ACADEMIC YEAR**

### **2.1 SCHOOL OF ENGINEERING**

#### **BSc. Electrical and Electronic Engineering**

To be admitted to the BSc. Electrical and Electronic Engineering programme, candidates should have credit Passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and three (3) elective science subjects: Elective Mathematics, Physics and Chemistry/Applied Electricity/Applied Electronics.

#### **BSc. Computer Engineering**

To be admitted to the BSc. Computer Engineering programme, candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective subjects; Elective Mathematics, Physics, and Chemistry/Applied Electronics.

#### **BSc. Mechanical Engineering**

To be admitted to the BSc. Mechanical Engineering programme, candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and three (3) elective science subjects: Elective Mathematics, Physics, and Chemistry/Technical Drawing/Auto Mechanics/Metal Work.

#### **BSc. Agricultural Engineering**

To be admitted to the BSc. Agricultural Engineering programme, candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective science subjects; Elective Mathematics, Physics, and Chemistry/Technical Drawing/Auto Mechanics/Metal Work.

#### **BSc. Civil Engineering**

To be admitted to the BSc. Civil Engineering Degree programme, candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3)

core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective science subjects: Physics, Elective Mathematics, and Chemistry/Technical Drawing.

### **BSc. Environmental Engineering**

To be admitted to the BSc. Environmental Engineering programme candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and integrated Science; and three (3) elective science subjects: Physics, Elective Mathematics and Chemistry.

## **2.2 SCHOOL OF ENERGY**

### **BSc. Petroleum Engineering**

To be admitted to Petroleum Engineering Degree programme, candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and three (3) Elective Science subjects; Elective Mathematics, Physics and Chemistry.

### **BSc. Renewable Energy Engineering**

To be admitted to the BSc. Renewable Energy Engineering programme candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective science subjects: Physics, Elective Mathematics and Chemistry/Technical Drawing.



## **2.3 SCHOOL OF SCIENCES**

### **BSc. Biological Science**

To be admitted to the BSc. Biological Science programme, candidates should have credit Passes (A-D)/ (A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective subjects from the following: Chemistry, Elective Mathematics/Physics and Biology/General Agriculture/Forestry.

### **BSc. Medical Laboratory Science**

To be admitted to the BSc. Medical Laboratory Science programmes, candidates should have credit Passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective subjects from the following: Chemistry, Elective Mathematics/Physics and Biology/General Agriculture/Forestry.

*NB: Qualified applicants would be required to write an entrance examination and undergo a selection interview on a date to be communicated later.*

### **BSc. Nursing**

To be admitted to the BSc. Nursing programme, candidates should have credit passes (A-D)/ (A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective subjects: Elective Mathematics, Physics and Chemistry.

Applicants with General Science, Agriculture Science, and Home Economics background with the relevant passes in English Language, Core Mathematics, and Integrated Science, and three passes in elective subjects also qualify to apply.

*NB: Qualified applicants would be required to write an entrance examination and undergo a selection interview on a date to be communicated later.*

### **BSc. Chemistry**

To be admitted to the BSc. Chemistry programme, candidates should have Credit Passes (A-D)/ (A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective science subjects; Chemistry, Physics and Biology/Mathematics.

## **BSc. Computer Science**

To be admitted to the BSc. Computer Science programme, candidates should have credit passes (A-D)/ (A1-C6) for SSSCE and WASSCE respectively in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and three (3) elective subjects which must include Elective Mathematics, and Physics.

## **Diploma in Computer Science**

To be admitted into the Diploma Computer Science Programme, SSSCE/WASSCE candidates should have Passes (A-E)/(A1-D7) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science/Social Studies; and any three (3) elective subjects which must include Elective Mathematics or Business Mathematics.

## **BSc. Information Technology**

To be admitted to the BSc. Information Technology programme, candidates should have credit passes (A-D)/ (A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and any three (3) elective subjects.

## **Diploma in Information Technology**

To be admitted into the Diploma Information Technology Programme, SSSCE/WASSCE candidates should have Passes (A-E)/(A1-D7) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science/Social Studies; and any three (3) elective subjects.

## **BSc. Mathematics/BSc. Statistics/BSc. Actuarial Science**

To be admitted to any of the BSc. Mathematical Sciences programmes, candidates should have credit Passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and three (3) elective subjects which must include Elective Mathematics.

## **Diploma Statistics**

To be admitted into the Diploma Statistics Programme, SSSCE/WASSCE candidates should have Passes (A-E)/(A1-D7) in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and any three (3) elective subjects which must include Elective Mathematics or Business Mathematics.

## **2.4 SCHOOL OF NATURAL RESOURCES**

### **BSc. Fire, Safety and Disaster Management**

SSSCE/WASSCE candidates must possess credit passes (A-D)/ (A1-C6) in three (3) core subjects; English Language, Mathematics, and Integrated Science and three (3) elective science subjects from Biology/Forestry/General Agriculture, Geography, Chemistry, Physics/Applied Electricity, and Mathematics.

### **Diploma in Fire, Safety and Disaster Management**

To be admitted into the Diploma in Fire, Safety and Disaster Management Programme, candidates should have Passes (A-E)/(A1-D7) for SSSCE and WASSCE respectively in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science; and any three (3) elective subjects OR Ordinary Level Certificate with passes (1–8) in at least five (5) subjects at G.C.E. 'O' Level (or its equivalent including English Language and Modern Mathematics OR Certificate in Forestry, Agriculture, and any other related programme from a recognized and accredited institution.

### **BSc. Natural Resources Management with options in:**

- *Ecotourism*
- *Fisheries and Aquaculture*
- *Forest Resources Management*
- *Land Reclamation and Restoration*
- *Social Forestry*

SSSCE/WASSCE candidates must possess credit passes (A-D)/(A1-C6) in three (3) core subjects, English Language, Core Mathematics, and Integrated Science and three (3) elective subjects from Chemistry, Physics, Elective Mathematics, Biology/Agriculture, Forestry. Home Economics students applying must have either Biology or Chemistry in addition to any two elective subjects.

### **Diploma Natural Resources Management**

To be admitted into the Diploma in Natural Resources Management Programme, candidates should have passes (A-E)/(A1-D7) for SSSCE and WASSCE respectively in six (6) subjects comprising three (3) core subjects; English Language, Mathematics and Integrated Science; and any three (3) elective subjects OR Ordinary Level Certificate with passes (1–8) in at least five (5) subjects at G.C.E. 'O' Level (or its equivalent including English Language and Modern Mathematics OR Certificate in Forestry, Agriculture and any other related programme from a recognized and accredited institution.

### **BSc. Aquaculture and Aquatic Resources Management**

To be admitted to the BSc. Aquaculture and Aquatic Resources Management programme, candidates should have passes (A-D)/ (A1-C6) for SSSCE and WASSCE respectively in six (6) subjects comprising core subjects: English Language, Mathematics, and Integrated Science; and three (3) elective subjects from Biology/General Agriculture/Forestry/Fisheries, Geography/Economics, Chemistry, Physics and Mathematics.

### **BSc. Hospitality Management**

SSSCE/WASSCE candidates must possess credit Passes (A-D)/(A1-C6) in three (3) core subjects: English Language, Mathematics, and Integrated Science/Social Studies and three (3) elective subjects from the following: Science, General Arts, Home Economics, Business, Agriculture and Visual Arts.

## **2.5 SCHOOL OF ARTS AND SOCIAL SCIENCES**

### **BSc. Entrepreneurial Management**

SSSCE/WASSCE candidates must possess credit passes (A-D)/ (A1-C6) in three (3) core subjects; English Language, core Mathematics and Integrated Science/Social Studies in addition to any three (3) elective subjects from the following: Science, General Arts, Home Economics, Business, Agriculture and Visual Arts.

### **BSc. Economics**

To be admitted into the BSc. Resource Enterprise and Entrepreneurship Programme, SSSCE/WASSCE candidates must possess credit passes (A-D)/ (A1-C6) in three (3) core subjects: English Language, Mathematics, and Integrated Science/Social Studies, and any three (3) elective subjects in Economics and Elective Mathematics in addition to any one of the following elective subjects: Geography, Government, History, Accounting, Business Management and Costing.

### **BSc. Accounting**

To be admitted into the BSc. Accounting Programme, SSSCE/WASSCE candidates must possess credit passes (A-D)/ (A1-C6) in three (3) core subjects: English Language, Mathematics, and Integrated Science/Social Studies, and any three (3) elective subjects in Business, Sciences, General Arts (with Elective Mathematics or Economics), and Home Economics (with Elective Mathematics or Economics).

## **2.6 SCHOOL OF MINES AND BUILT ENVIRONMENT**

- BSc Sustainable Mining
- BSc Sustainable Land Management

## **2.7 SCHOOL OF AGRICULTURE AND TECHNOLOGY (DORMAA AHENKRO CAMPUS)**

### **BSc. Agribusiness**

To be admitted into the BSc. Agribusiness Programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science; and any three (3) elective subjects in Science, General Agriculture, Business, General Arts, Home Economics and Visual Art.

### **BSc. Agricultural and Resource Economics**

To be admitted into the BSc Agricultural and Resource Economics programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising core subjects, including English Language, Mathematics, and Integrated Science; and three (3) electives in Science/Agriculture subjects from Biology/General Agriculture/Forestry, Geography/Economics, Chemistry, Physics and Mathematics. OR Applicants with General Arts, Business, and Home Economics backgrounds with Geography/Elective Mathematics/Economics and Biology/ Chemistry subjects are also eligible for admission.

### **BSc. Agriculture with options in:**

- *Animal Production*
- *Crop Production*
- *Horticulture*

To be admitted into the BSc. Agriculture programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) subjects: English Language, Mathematics, and Integrated Science; and three (3) electives in the following: Biology, Chemistry and Physics, or Elective Mathematics OR General Agriculture/ Forestry, Chemistry and Physics or Elective Mathematics.

## **2.8 SCHOOL OF GEOSCIENCES (DORMAA AHENKRO CAMPUS)**

### **BSc. Geomatics**

To be admitted to the BSc. Geomatics programme, SSSCE/WASSCE Candidates should have at least credit passes (A-D)/ (A1-C6) respectively in six (6) subjects comprising three (3) core subjects: including English Language, Mathematics, and Integrated Science or Social Studies and any three elective subjects from Chemistry, Physics, Biology/General Agriculture/Forestry are required. For Students from General Arts background, a candidate will be required to have a) Elective Mathematics and Geography, and any one from b) History, Government, Economics.

### **BSc. Geoinformation Science**

To be admitted to the BSc. Geoinformation Science programme, SSSCE/WASSCE Candidates should have at least credit passes (A-D)/ (A1-C6) in six (6) subjects comprising three (3) core subjects: including English Language, Mathematics, and Integrated Science or Social Studies and any three elective subjects from Chemistry, Physics, Biology/General Agriculture/Forestry for applicants with science background and for those with General Arts background, Elective Mathematics and Geography, and any one from History, Government or Economics.

### **Diploma in Geoinformation Science**

To be admitted into the Diploma Geoinformation Science Programme, SSSCE/WASSCE candidates should have passes (A-E)/(A1-D7) respectively in six (6) subjects comprising three (3) core subjects; English Language, Mathematics, and Integrated Science/Social Studies; and any three (3) elective subjects from the following: Chemistry, Physics, Biology/General Agriculture/Forestry, Elective Mathematics, Geography, Economics, History, Government, ICT and Building Technology.

### **Diploma in Geomatics**

To be admitted into the Diploma Geomatics Programme, SSSCE/WASSCE candidates should have passes (A-E)/(A1-D7) respectively in six (6) subjects

comprising three (3) core subjects: including English Language, Mathematics, and Integrated Science or Social Studies and any three elective subjects from Chemistry, Physics, Biology/General Agriculture/Forestry for applicants with science background and for those with General Arts background, Elective Mathematics and Geography, and any one from History, Government or Economics.

### **BSc. Planning and Sustainability**

To be admitted into the BSc. Planning and Sustainability Programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science/Social Studies; and any three (3) elective subjects from the following: Geography, Economics, Elective Mathematics, Government, History, Accounting, Business Management and Costing.

### **BSc. Applied Meteorology and Climate Science**

To be admitted into the BSc. Applied Meteorology and Climate Science Programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) respectively in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science, and three (3) electives from Chemistry, Physics, Elective Mathematics, Biology/General Agriculture/Forestry.

### **BSc. Climate Change and Sustainable Development**

To be admitted into the BSc. Climate Change and Sustainable Development Programme, SSSCE/WASSCE candidates should have credit passes (A-D)/(A1-C6) respectively in six (6) subjects comprising three (3) core subjects: English Language, Mathematics, and Integrated Science/Social Studies; and any three (3) elective subjects from the following: Chemistry, Physics, Biology/General Agriculture/Forestry, Elective Mathematics, Geography, Economics, History and Government.