



# UNIVERSITY FOR DEVELOPMENT STUDIES

## Academic Affairs Section

P.O. Box TL 1350 Tamale, Ghana Tel: 03720-93382/26633/26634

Web: [www.uds.edu.gh](http://www.uds.edu.gh) Email: [academicaffairs@uds.edu.gh](mailto:academicaffairs@uds.edu.gh)

### TRANSCRIPT OF ACADEMIC RECORD

|                 |   |                |                  |
|-----------------|---|----------------|------------------|
| Name:           | MENSAH TERKPEH RICHARD                  | Index Number:  | FMS/0546/10      |
| Degree Awarded: | BSC ( COMPUTER SCIENCE )                | Date of Birth: | MARCH 25, 1990   |
| Major:          | ( COMPUTER SCIENCE )                    | Sex:           | MALE             |
| Final CGPA:     | 3.14                                    | Date of Award: | JULY 31, 2014    |
| Class:          | SECOND CLASS HONOURS ( LOWER DIVISION ) | Date Printed:  | JANUARY 17, 2022 |

#### FIRST YEAR

##### FIRST TRIMESTER RESULTS

| COURSE CODE                 | COURSE TITLE                           | CREDITS | GRADE |
|-----------------------------|--|---------|-------|
| CSC 101                     | INTRODUCTION TO COMPUTERS              | 2       | C+    |
| ETS 101                     | INTRODUCTION TO EARTH SCIENCE I        | 2       | F*    |
| ETS 101                     | INTRODUCTION TO EARTH SCIENCE I        | 2       | A+**  |
| FRN 103                     | BASIC FRENCH FOR SCIENCE IA (ELECTIVE) | 3       | D     |
| GEN 101                     | LANGUAGE AND COMMUNICATION SKILLS      | 2       | B     |
| INS 101                     | ADVANCE INTEGRATED SCIENCE I           | 3       | D     |
| MTH 103                     | ALGEBRA AND MATRIX ALGEBRA             | 3       | C+    |
| MTH 105                     | BASIC MATHEMATICS FOR FINANCE          | 3       | C     |
| MTH 107                     | LOGIC AND SET THEORY                   | 3       | A     |
| STS 103                     | INTRODUCTORY STATISTICS                | 2       | D+    |
| CC: 25 GPA: 2.43 CGPA: 2.43 |  |         |       |

##### SECOND TRIMESTER RESULTS

| COURSE CODE                 | COURSE TITLE                                    | CREDITS | GRADE |
|-----------------------------|---|---------|-------|
| ETS 102                     | INTRODUCTION TO EARTH SCIENCE II                | 2       | D+    |
| FRN 102                     | FRENCH FOR SCIENCE                              | 3       | D     |
| GEN 102                     | AFRICAN/GENERAL STUDIES                         | 2       | A     |
| INS 102                     | ADVANCE INTEGRATED SCIENCE II                   | 3       | D+    |
| MTH 104                     | TRIGONOMETRY AND CALCULUS                       | 3       | D     |
| MTH 106                     | VECTOR ANALYSIS                                 | 3       | D     |
| STS 104                     | INTRODUCTORY PROBABILITY AND BASIC DISTRIBUTION | 2       | F*    |
| STS 104                     | STATISTICS AND BASIC DISTRIBUTIONS              | 2       | C+**  |
| CC: 45 GPA: 1.81 CGPA: 2.16 |   |         |       |

##### THIRD TRIMESTER RESULTS

| COURSE CODE                 | COURSE TITLE                             | CREDITS | GRADE |
|-----------------------------|--|---------|-------|
| FPT 190                     | THIRD TRIMESTER FIELD PRACTICAL TRAINING | 6       | A     |
| CC: 51 GPA: 4.50 CGPA: 2.46 |  |         |       |

#### SECOND YEAR

##### FIRST TRIMESTER RESULTS

| COURSE CODE                 | COURSE TITLE                                | CREDITS | GRADE |
|-----------------------------|---|---------|-------|
| CSC 200                     | STRUCTURED PROGRAMMING                      | 3       | D+    |
| ECN 201                     | ECONOMICS I                                 | 3       | B     |
| ENV 205                     | INTRODUCTION TO NATURAL RESOURCE MANAGEMENT | 3       | D+    |
| MTH 203                     | INTRODUCTORY APPLIED MATHEMATICS            | 3       | A     |
| MTH 211                     | REAL ANALYSIS I                             | 3       | C     |
| STS 201                     | STATISTICAL ESTIMATIONS                     | 3       | D     |
| CC: 69 GPA: 2.90 CGPA: 2.59 |   |         |       |

##### SECOND TRIMESTER RESULTS

| COURSE CODE | COURSE TITLE                       | CREDITS | GRADE |
|-------------|------------------------------------|---------|-------|
| CSC 202     | COMPUTATIONAL MATHEMATICS (MATLAB) | 3       | D+    |
| ENV 206     | POLLUTION SCIENCE                  | 3       | D+    |
| MTH 200     | INTRODUCTORY DISCRETE MATHEMATICS  | 3       | B+    |

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17 JAN 2022



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| Major:          | ( COMPUTER SCIENCE )                    | Sex:           | MALE             |
| Final CGPA:     | 3.14                                    | Date of Award: | JULY 31, 2014    |
| Class:          | SECOND CLASS HONOURS ( LOWER DIVISION ) | Date Printed:  | JANUARY 17, 2022 |

| COURSE CODE                 | COURSE TITLE                            | CREDITS | GRADE |
|-----------------------------|---|---------|-------|
| MTH 204                     | LINEAR ALGEBRA                          | 2       | C+    |
| MTH 212                     | REAL ANALYSIS II                        | 3       | D     |
| STS 202                     | HYPOTHESIS TESTING AND INFERENCE        | 3       | D     |
| STS 204                     | SCIENTIFIC DATA COLLECTION AND ANALYSIS | 3       | A     |
| CC: 89 GPA: 2.66 CGPA: 2.61 |   |         |       |

#### THIRD TRIMESTER RESULTS

| COURSE CODE                 | COURSE TITLE                             | CREDITS | GRADE |
|-----------------------------|--|---------|-------|
| FPT 290                     | THIRD TRIMESTER FIELD PRACTICAL TRAINING | 6       | A     |
| CC: 95 GPA: 4.50 CGPA: 2.73 |  |         |       |

### THIRD YEAR

#### FIRST TRIMESTER RESULTS

| COURSE CODE                  | COURSE TITLE                        | CREDITS | GRADE |
|------------------------------|-------------------------------------|---------|-------|
| CSC 315                      | PROGRAMMING IN C++                  | 3       | D+    |
| CSC 331                      | FUNDAMENTALS OF DIGITAL DESIGN      | 2       | C+    |
| CSC 333                      | DATA COMMUNICATION AND NETWORKS     | 2       | A+    |
| CSC 341                      | FILE ORGANISATION                   | 2       | C     |
| CSC 351                      | FUNDAMENTALS OF DATABASE MANAGEMENT | 3       | B     |
| CSC 355                      | DATA STRUCTURES                     | 3       | C+    |
| MTH 311                      | DIFFERENTIAL EQUATIONS I            | 3       | C+    |
| MTH 331                      | NUMERICAL ANALYSIS I                | 3       | C+    |
| MTH 383                      | FINANCIAL ACCOUNTING                | 2       | C     |
| CC: 118 GPA: 3.02 CGPA: 2.78 |                                     |         |       |

#### SECOND TRIMESTER RESULTS

| COURSE CODE                  | COURSE TITLE                       | CREDITS | GRADE |
|------------------------------|------------------------------------|---------|-------|
| CSC 304                      | SYSTEM ANALYSIS AND DESIGN         | 3       | B+    |
| CSC 306                      | OPERATING SYSTEM                   | 3       | A     |
| CSC 314                      | VISUAL BASIC                       | 3       | B+    |
| CSC 322                      | COMPUTER HARDWARE AND ARCHITECTURE | 3       | C     |
| CSC 364                      | ASSEMBLY LANGUAGE                  | 3       | B+    |
| MTH 312                      | DIFFERENTIAL EQUATIONS II          | 3       | D+    |
| PHY 304                      | ELECTROMAGNETIC FIELD THEORY       | 3       | C+    |
| CC: 139 GPA: 3.43 CGPA: 2.88 |                                    |         |       |

#### THIRD TRIMESTER RESULTS

| COURSE CODE                  | COURSE TITLE                             | CREDITS | GRADE |
|------------------------------|--|---------|-------|
| TTFPP 393                    | THIRD TRIMESTER FIELD PRACTICAL TRAINING | 6       | A     |
| CC: 145 GPA: 4.50 CGPA: 2.95 |  |         |       |

### FOURTH YEAR

#### FIRST TRIMESTER RESULTS

| COURSE CODE | COURSE TITLE          | CREDITS | GRADE |
|-------------|-----------------------|---------|-------|
| CSC 401     | COMPILER CONSTRUCTION | 3       | B+    |
| CSC 405     | COMPUTER GRAPHICS     | 3       | C+    |

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Major: **( COMPUTER SCIENCE )** Sex: **MALE**  
Final CGPA: **3.14** Date of Award: **JULY 31, 2014**  
Class: **SECOND CLASS HONOURS ( LOWER DIVISION )** Date Printed: **JANUARY 17, 2022**

| COURSE CODE                  | COURSE TITLE                        | CREDITS | GRADE |
|------------------------------|-------------------------------------|---------|-------|
| CSC 407                      | BASIC ELECTRONIC COMMERCE           | 3       | A     |
| CSC 417                      | ADVANCED PROGRAMMING AND WEB DESIGN | 2       | C     |
| CSC 435                      | DESIGN AND ANALYSIS OF ALGORITHMS   | 3       | B     |
| CSC 473                      | QUEUEING SYSTEMS                    | 2       | A+    |
| CSC 477                      | ARTIFICIAL INTELLIGENCE             | 2       | C+    |
| MTH 483                      | FINANCIAL MANAGEMENT                | 2       | B     |
| CC: 165 GPA: 3.65 CGPA: 3.03 |                                     |         |       |

#### SECOND TRIMESTER RESULTS

| COURSE CODE                  | COURSE TITLE                            | CREDITS | GRADE |
|------------------------------|---|---------|-------|
| CSC 418                      | COMPARATIVE PROGRAMMING LANGUAGES       | 3       | B     |
| CSC 424                      | SOFTWARE ENGINEERING                    | 3       | B     |
| CSC 448                      | MANAGEMENT INFORMATION SYSTEM           | 3       | B+    |
| MTH 480                      | MATHEMATICAL MODELLING AND APPLICATIONS | 3       | B+    |
| MTH 482                      | OPERATIONS RESEARCH                     | 3       | B+    |
| CC: 180 GPA: 4.00 CGPA: 3.14 |   |         |       |

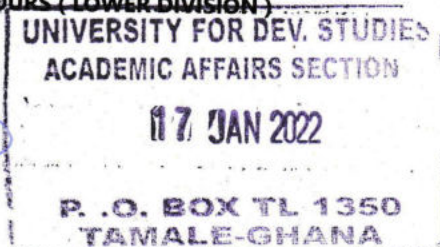
#### THIRD TRIMESTER RESULTS

| COURSE CODE                  | COURSE TITLE         | CREDITS | GRADE |
|------------------------------|----------------------|---------|-------|
| CSC 493                      | PROJECT/DISSERTATION | 6       | A     |
| CC: 186 GPA: 4.50 CGPA: 3.14 |                      |         |       |

Final CGPA: 3.14

Class: SECOND CLASS HONOURS ( LOWER DIVISION )

Richard Oppong Adomako  
For: Registrar



NB:  
USE BARCODE FOR VERIFICATION



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## GRADING SYSTEM

**NB:** The Cumulative Weighted Average (CWA) grading system was used by the University until the 2007/2008 academic year. Since then, the Cumulative Grade Point Average (CGPA) grading system is being used. All transcripts with the CWA grading system are still valid.

| CWA  |              | CGPA   |                |
|--|--------------|--|----------------|
| <b>CLASS DESIGNATION</b>                                   |              | <b>CLASS DESIGNATION</b>                                     |                |
| <b>Bachelor's Degree</b>                                   |              | <b>Bachelor's Degree</b>                                     |                |
| 70% & Above - 1 <sup>st</sup> Class Honours                |              | 4.50 & Above - 1 <sup>st</sup> Class Honours                 |                |
| 60% - 69% - 2 <sup>nd</sup> Class Honour (Upper Division)  |              | 3.50 - 4.49 - 2 <sup>nd</sup> Class Honour (Upper Division)  |                |
| 50% - 59% - 2 <sup>nd</sup> Class Honours (Lower Division) |              | 2.50 - 3.49 - 2 <sup>nd</sup> Class Honours (Lower Division) |                |
| 45% - 49% - 3 <sup>rd</sup> Class Honours                  |              | 2.00 - 2.49 - 3 <sup>rd</sup> Class Honours                  |                |
| 40% - 44% - Pass   |              | 1.50 - 1.99 - Pass   |                |
| Below 40% - Fail   |              | Below 1.50 - Fail  |                |
| <b>Diploma</b>   |              | <b>Diploma</b>   |                |
| 70% & Above - Distinction                                  |              | 4.5 & Above - Distinction                                    |                |
| 40% - 69% - Pass   |              | 1.50 - 4.49 - Pass   |                |
| Below 40% - Fail   |              | Below 1.50 - Fail  |                |
| <b>GLOSSARY</b>  |              | <b>GLOSSARY</b>  |                |
| * - Trail  |              | * - Trail  |                |
| ** - Retaken   |              | ** - Retaken   |                |
| CC - Cumulative Credits                                    |              | CC - Cumulative Credits                                      |                |
| TWA - Trimester Weighted Average                           |              | GPA - Grade Point Average                                    |                |
| CWA - Cumulative Weighted Average                          |              | CGPA - Cumulative Grade Point Average                        |                |
| <b>PASS GRADES</b>   |              | <b>PASS GRADES</b>   |                |
| <b>Grade</b>   | <b>Value</b> | <b>Score</b>   | <b>Remarks</b> |
| A - 70% & Above  | Excellent    | 80% & Above  | Excellent      |
| B - 60 - 69%   | Very Good    | 70% - 79.99%   | Excellent      |
| C - 50 - 59%   | Good         | 65 - 69.99%  | Very Good      |
| D - 40 - 49%   | Satisfactory | 60 - 64.99%  | Very Good      |
|  |              | 55 - 59.99%  | Good           |
|  |              | 50 - 54.99%  | Good           |
|  |              | 45 - 49.99%  | Satisfactory   |
|  |              | 40 - 44.99%  | Satisfactory   |
| <b>FAILURE GRADE</b>                                       |              | <b>FAILURE GRADE</b>   |                |
| <b>Grade</b>   | <b>Value</b> | <b>Score</b>   | <b>Remarks</b> |
| F - 0 - 39%  | Fail         | 0 - 39.99%   | Fail           |

\* The Authenticity of this transcript may be checked from the Academic Affairs Office, University for Development Studies, Central Administration, Tamale.