



# MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

This is to certify that

*James Oduor*

having satisfied all the requirements  
was conferred the degree of

**BACHELOR OF SCIENCE**  
**(Electrical and Communication Engineering)**

*Second Class Honours (Upper Division)*

at the Twenty First Congregation held  
at this University

on the Eleventh Day of December  
in the Year Two Thousand and Twenty Four

*[Signature]*

Vice-Chancellor

*[Signature]*

Deputy Vice-Chancellor  
(Academic Affairs)



# MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. BOX. 190-50100 KAKAMEGA  
 TEL: +057-2505222/3, 0702597360  
 FAX: +056-30153  
 Email: info@mmust.ac.ke  
 Web: www.mmust.ac.ke

## ACADEMIC TRANSCRIPT

**STUDENT NAME:** JAMES ODUOL **REG. NO.** ECE/B/01-01621/2019  
**PROGRAMME:** BACHELOR OF SCIENCE IN ELECTRICAL & COMMUNICATION ENGINEERING  
**DEPARTMENT:** ELECTRICAL AND COMMUNICATIONS **ACADEMIC YEAR:** 2019/2020  
**SCHOOL/FACULTY:** SCHOOL OF ENGINEERING AND BUILT ENVIRONMENT (SEBE) **YEAR OF STUDY:** FIRST YEAR

CODE	UNIT TITLE	UNITS	HOURS	%	GRADE
CDM 100	HIV and AIDS: Prevention and Management	3	42	59	C
COS 100	Communication Skills	3	42	71	A
ECC 103	Introduction to Engineering	2	28	79	A
ECC 105	Fundamentals of Computing and Applications	3	42	73	A
MAT101	Pure Mathematics I	3	42	64	B
MIE 161	Engineering Drawing I	4	56	71	A
SCH 100	Fundamentals of Chemistry I	3	42	66	B
SCH 101	Fundamentals of Chemistry II	4	56	54	C
SPH 110	Fundamentals of Physics I	4	56	70	A
ECC 102	State, Society and Development Concepts	3	42	52	C
ECC 104	Applied Mechanics	3	42	71	A
ECE121	Workshop Technology	3	42	66	B
MAT 103	Pure Mathematics II	3	42	68	B
MIE 164	Engineering Drawing II	3	42	43	D
SPH 111	Fundamentals of Physics II	4	56	43	D
STA 104	Statistics I	3	42	54	C

**MEAN SCORE:** 63%

**MEAN GRADE:** B

**RECOMMENDATION:** GOOD , PROCEED TO 2ND YEAR OF STUDY

**Key to Grading System:**

- 70-100% A (Excellent)
- 60-69% B (Good)
- 50-59% C (Satisfactory)
- 40-49% D (Pass)
- 0-39% E (Fail)

**Other Keys:**

- I Incomplete
- \*\* Retake
- # Audited Unit
- Missing Marks
- \* Supplementary Marks
- CT Credit Transfer

Signed:



REGISTRAR ACADEMIC AFFAIRS

08 JAN 2025

DATE



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**DEPARTMENT:** ELECTRICAL AND COMMUNICATIONS **ACADEMIC YEAR:** 2020/2021  
**SCHOOL/FACULTY:** SCHOOL OF ENGINEERING AND BUILT ENVIRONMENT (SEBE) **YEAR OF STUDY:** SECOND YEAR

CODE	UNIT TITLE	UNITS	HOURS	%	GRADE
CSC 201	Computer Programming I	3	42	64	B
ECE 213	Power Systems I	3	42	57	C
ECE211	Physical Electronics	3	42	69	B
ECE212	Electric Circuit Theory and Analysis I	3	42	69	B
MAT201	Engineering Mathematics I	3	42	62	B
MIE 221	Solid Mechanics I	3	42	71	A
MIE 231	Fluid Mechanics I	3	42	64	B
STA 205	Statistics II	3	42	60	B
ECE 223	Computer Programming II	3	42	54	C
ECE 224	Electrical Measurements	3	42	62	B
ECE 225	Electrical Machines I	3	42	57	C
ECE 226	Electric Circuit Theory and Analysis II	3	42	79	A
ECE221	Basic Electronics	3	42	54	C
MAT202	Engineering Mathematics II	3	42	62	B
MIE 213	Materials Science	3	42	45	D
MIE 274	Thermodynamics I	3	42	64	B

MEAN SCORE: 62%

MEAN GRADE: B

RECOMMENDATION: GOOD , PROCEED TO 3RD YEAR OF STUDY

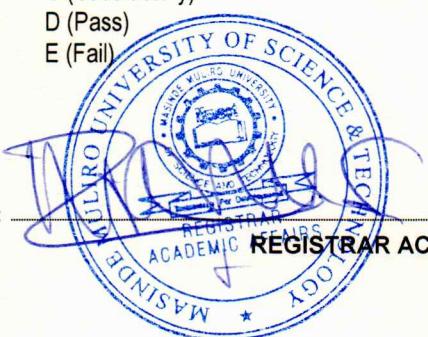
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- 0-39% E (Fail)

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- Missing Marks
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### ACADEMIC TRANSCRIPT

**STUDENT NAME:** JAMES ODUOL **REG. NO.** ECE/B/01-01621/2019  
**PROGRAMME:** BACHELOR OF SCIENCE IN ELECTRICAL & COMMUNICATION ENGINEERING  
**DEPARTMENT:** ELECTRICAL AND COMMUNICATIONS **ACADEMIC YEAR:** 2021/2022  
**SCHOOL/FACULTY:** SCHOOL OF ENGINEERING AND BUILT ENVIRONMENT (SEBE) **YEAR OF STUDY:** THIRD YEAR

CODE	UNIT TITLE	UNITS	HOURS	%	GRADE
CSC310	Object Oriented Programming	3	42	44	D
ECE 220	Workshop Practice	3	42	43	D
ECE 313	Electrical Machines II	3	42	83	A
ECE 314	Analogue Electronics I	3	42	59	C
ECE 316	Digital Electronics I	3	42	51	C
ECE 317	Power Systems II	3	42	54	C
ECE 328	Principles of Communication Systems	3	42	64	B
ECE312	Electromagnetics I	3	42	45	D
MAT 301E	Engineering Mathematics III	3	42	60	B
ECE 323	Network Analysis and Synthesis	3	42	76	A
ECE 324	Digital Electronics II	3	42	69	B
ECE 325	Signals and Systems	3	42	64	B
ECE 326	Analogue Electronics II	3	42	83	A
ECE 327	Electrical Machines III	3	42	52	C
ECE_321	Control Systems I	3	42	56	C
ECE322	Electromagnetics II	3	42	69	B
MAT302	Differential Equations	3	42	50	C

**MEAN SCORE: 60%**

**MEAN GRADE: B**

**RECOMMENDATION: GOOD , PROCEED TO 4TH YEAR OF STUDY**

**Key to Grading System:**

70-100% A (Excellent)  
60-69% B (Good)  
50-59% C (Satisfactory)  
40-49% D (Pass)  
0-39% E (Fail)

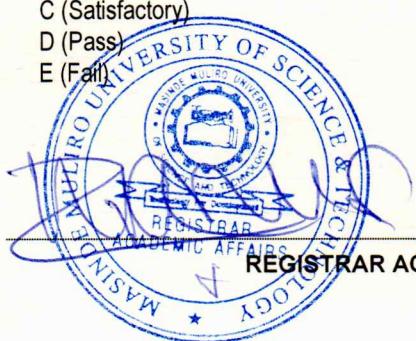
**Other Keys:**

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\*\* Retake  
# Audited Unit  
- Missing Marks  
\* Supplementary Marks  
CT Credit Transfer

Signed:

08 JAN 2025

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STUDENT NAME: JAMES ODUOL

REG. NO. ECE/B/01-01621/2019

PROGRAMME: BACHELOR OF SCIENCE IN ELECTRICAL & COMMUNICATION ENGINEERING

DEPARTMENT: ELECTRICAL AND COMMUNICATIONS  
ENGINEERING

ACADEMIC YEAR: 2022/2023

SCHOOL/FACULTY: SCHOOL OF ENGINEERING AND BUILT  
ENVIRONMENT(SEBE)

YEAR OF STUDY: FOURTH YEAR

CODE	UNIT TITLE	UNITS	HOURS	%	GRADE
ECE 320	Industrial Attachment I	3	42	84	A
ECE 413	Instrumentation	3	42	54	C
ECE 414	Microprocessors	3	42	57	C
ECE 415	Power Electronics I	3	42	60	B
ECE 416	Digital Communication Systems	3	42	55	C
ECE 418	Entrepreneurship for Engineers	3	42	71	A
ECE411	Control Systems II	3	42	71	A
ECE412	Electronic Circuit Design	3	42	54	C
MAT401	Complex Analysis	3	42	67	B
ECC 402	Research Methods	3	42	53	C
ECC 404	Economics for Engineers	3	42	73	A
ECC 406	Engineering Management	3	42	66	B
ECE 423	Microprocessor Systems Design	3	42	61	B
ECE 424	Power Electronics II	3	42	58	C
ECE 425	State Space Design and Digital Control	3	42	65	B
ECE421	Power Systems IV	3	42	53	C
ECE422	Data Communication and Computer Networks	3	42	51	C

MEAN SCORE: 62%

MEAN GRADE: B

RECOMMENDATION: GOOD , PROCEED TO 5TH YEAR OF STUDY

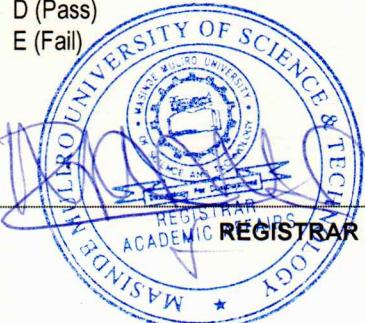
#### Key to Grading System:

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- 60-69% B (Good)
- 50-59% C (Satisfactory)
- 40-49% D (Pass)
- 0-39% E (Fail)

#### Other Keys:

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- \*\* Retake
- # Audited Unit
- Missing Marks
- \* Supplementary Marks
- CT Credit Transfer

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**STUDENT NAME:** JAMES ODUOL **REG. NO.** ECE/B/01-01621/2019  
**PROGRAMME:** BACHELOR OF SCIENCE IN ELECTRICAL & COMMUNICATION ENGINEERING  
**DEPARTMENT:** ELECTRICAL AND COMMUNICATIONS **ACADEMIC YEAR:** 2023/2024  
**SCHOOL/FACULTY:** SCHOOL OF ENGINEERING AND BUILT ENVIRONMENT (SEBE) **YEAR OF STUDY:** FIFTH YEAR

CODE	UNIT TITLE	UNITS	HOURS	%	GRADE
ECC 501	Operations Research	3	42	61	B
ECE 420	Industrial Attachment II	3	42	77	A
ECE 510	Engineering Project	8	112	56	C
ECE 511	Engineering Product Design	3	42	65	B
ECE 513	Non- Linear and Multivariable Control	3	42	57	C
ECE 514	Transmission Lines	3	42	60	B
ECE 514E	Radar and Satellite Engineering	3	42	42	D
ECE 516E	Antenna and Radio Wave Propagation	3	42	52	C
ECE512	Software Engineering	3	42	71	A
ECC 502	Law, Ethics and Professional Practice	3	42	66	B
ECC 522	E-commerce	3	42	47	D
ECE 521	Digital Signal Processing	3	42	68	B
ECE 523	Industrial Electronics	3	42	60	B
ECE 524E	Microwave Engineering	3	42	57	C
ECE 525	Electroacoustics	3	42	60	B
ECE 525E	Wireless and Mobile Communication	3	42	46	D

**MEAN SCORE:** 59%

**MEAN GRADE:** C

**RECOMMENDATION:** SATISFACTORY, QUALIFIED FOR BACHELOR OF SCIENCE IN ELECTRICAL & COMMUNICATION ENGINEERING - SECOND CLASS HONOURS (UPPER DIVISION)

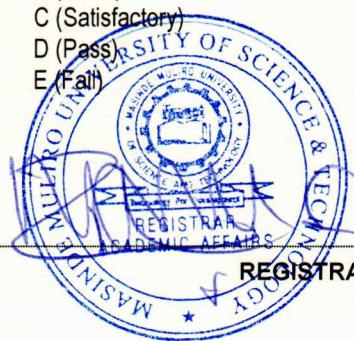
**Key to Grading System:**

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 60-69% B (Good)  
 50-59% C (Satisfactory)  
 40-49% D (Pass)  
 0-39% E (Fail)

**Other Keys:**

I Incomplete  
 \*\* Retake  
 # Audited Unit  
 - Missing Marks  
 \* Supplementary Marks  
 CT Credit Transfer

Signed:



REGISTRAR ACADEMIC AFFAIRS

08 JAN 2025

DATE

# The Kenya National Examinations Council



## KENYA CERTIFICATE OF SECONDARY EDUCATION

This is to certify that the candidate named below sat for the Kenya Certificate of Secondary Education examination in the subjects shown and attained the grades indicated.



28575210/001



**NAME:** ODUOL JAMES  
**THESSALIA MISSION HIGH SCHOOL**

**SUBJECT**

**101 ENGLISH**

**102 KISWAHILI**

**121 MATHEMATICS**

**231 BIOLOGY**

**232 PHYSICS**

**233 CHEMISTRY**

**311 HISTORY AND GOVERNMENT**

**565 BUSINESS STUDIES**

**GRADE**

**B (MINUS)**

**C+ (PLUS)**

**A**

**C+ (PLUS)**

**A (MINUS)**

**A**

**A (MINUS)**

**B+ (PLUS)**

**B (MINUS)**

**B+**

**(PLUS)**

**B (MINUS)**

# The Kenya National Examinations Council



## KENYA CERTIFICATE OF PRIMARY EDUCATION

### KCPE

This is to certify that the candidate named below sat for the Kenya Certificate of Primary Education examination in the subjects shown and attained the grades indicated.

NAME: ODUOL JAMES  
AKWANYA

39713052/001  
39713052

SUBJECT	GRADE
ENGLISH LANGUAGE	B- (MINUS)
KISWAHILI	C+ (PLUS)
MATHEMATICS	A- (MINUS)
SCIENCE	B- (MINUS)
SOCIAL STUDIES AND RELIGIOUS EDUCATION	B- (MINUS)

EXAMINATION OF 2014  
PRINTED : 150910:08114126

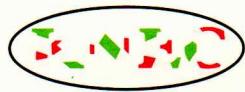


Chief Executive Officer  
Kenya National Examinations Council

Chairman  
Kenya National Examinations Council

This certificate was issued without any alteration whatsoever. See overleaf for grades and mark intervals.

KCPE /14 2478051





Kenya Power

Electricity House, New Station Road

P. O. Box 151 – 40100 Kisumu, Kenya

Phone: 254 057 – 2020536/7/8/9

Fax: 254 – 057 2020706; Telegrams; ELECTRIC'

KP9/5/09 /NKN/rmm

7<sup>th</sup> July 2022

**TO WHOM IT MAY CONCERN**

**RE: JAMES ODUOL**

This is to confirm that James Oduol was on industrial attachment in the **Operations & Maintenance (O&M), Design & Construction (D&C) Functions, Kakamega County** of the Company from 14<sup>th</sup> May 2022 to 7<sup>th</sup> July 2022.

During his attachment, he was exposed to the following areas:

During this time he was conversant with the following duties & responsibilities:

**Design & Construction**

- Meter Installation
- Construction of service lines
- Connection of power line
- Connection to new customers
- Assigning & commissioning of job schemes

**Operation & Maintenance**

- Power line inspection
- Design & costing of lines
- Repair of weak jumpers on the transformer
- Call Centre operations
- Fault diagnosis of power problems
- Relay Operation
- Resetting of circuit breaks
- Transformer maintenance
- Battery Maintenance
- Installation of circuit breaker

In the course of the attachment period, he proved to be dependable, hardworking, self-disciplined, self-driven and maintained punctuality. He performed well in all his tasks and is a team player with good office organization skills and etiquette.

Yours faithfully,

For: THE KENYA POWER & LIGHTING CO. LTD.

  
BONIFACE SHIKUKU

For: Ag. PRINCIPAL HUMAN RESOURCE & ADMIN. OFFICER, WESTERN

K.P.L.  
P.D. BULU  
CO. LTD.  
KAKAMEGA