



No. ( 2300 )  
Date: 02 / 10 / 2017  
10 / 07 / 2717

## TRANSCRIPT

This is to certify that **MUSAFER KHEDER RASHO** whose photo is affixed above, is a graduate of the college of **Engineering** in our university in the **(First)** attempt for the academic year **(2016-2017)**, and he has been awarded the degree of **B.Sc. in Electrical and Computer Engineering** with grade **Pass** on **17/7/2017**.

### Notes: -

- Min. Period of study is: **Four years**.
- Pass Mark is **50%**.
- Rank is; **23<sup>rd</sup>** out of **25** Students.
- Average mark **(58.0249 %)**.

### Grades

50-59	Pass
60-69	Fair
70-79	Good
80-89	V. good
90-100	Excellent

**University of Duhok**  
We approve the authenticity  
of this certificate

A-The President  
Dr. Mervan A. A. Yahya

The Register  
Dr. Saeed Khudeida Ale

No. : 2300  
Date : 02-10-2017



Email: reg@uod.ac

Ministerial Council  
Ministry of Higher Education  
and Scientific Research  
**UNIVERSITY OF DUHOK**  
Registration Directorate



No. ( 3477 )  
Date: 24 / 12 / 2020  
03 / 10 / 2720

**TRANSCRIPT**

This is to certify that **MUSAFER KHEDER RASHO** whose photo is affixed above, is a graduate of the **College of Engineering** in our university in the **(First)** attempt for the academic year **(2016-2017)**, and he has been awarded the degree of **B.Sc. in Electrical & Computer Engineering** with grade **Pass** on **17/7/2017**.

Below is the record of his transcripts:

1<sup>st</sup> year (2012-2013)

Subject	Unit	Mark		Grade
		Figure	Writing	
Arabic Language	1.0	78	Seventy eight	Good
Computer Science and Programming	6.0	52	Fifty two	Pass
Electrical Circuits	4.0	+50	Only Fifty	Pass
Engineering Drawing	2.0	66	Sixty six	Fair
Human Rights	4.0	53	Fifty three	Pass
Laboratory	2.0	+65	Sixty five	Fair
Mathematics I	6.0	51	Fifty one	Pass
Physical Electronics	6.0	52	Fifty two	Pass
Principles of Digital Design	6.0	+55	Fifty five	Pass

First Semester

Second Semester

Subject	Unit	Mark		Grade
		Figure	Writing	
Academic Debate I	2.0	65	Sixty five	Fair
Computer Skills	2.0	+87	Eighty seven	Very Good
English Language I	2.0	80	Only Eighty	Very Good
Kurdology	2.0	+74	Seventy four	Good

Subject	Unit	Mark		Grade
		Figure	Writing	
Academic Debate II	3.0	67	Sixty seven	Fair
Engineering Softwares	3.0	+60	Only Sixty	Fair
English Language II	2.0	56	Fifty six	Pass



2 <sup>nd</sup> year (2014-2015)				First semester		
Subject	Unit	Mark		Grade		
		Figure	Writing			
Data Structures & Algorithms	4.0	58	Fifty eight	Pass		
DC Machines and Transformers	3.0	+50	Only Fifty	Pass		
Digital System Design	4.0	61	Sixty one	Fair		
Electronic Circuits	4.0	50	Only Fifty	Pass		
Engineering Mathematics	2.0	57	Fifty seven	Pass		
Engineering Mechanics 1	3.0	+60	Only Sixty	Fair		

Second semester						
Subject	Unit	Mark		Grade		
		Figure	Writing			
DC Machines	3.0	50	Only Fifty	Pass		
Differential Equations	3.0	54	Fifty four	Pass		
Introduction to Microprocessors	3.0	52	Fifty two	Pass		
Mini Project	2.0	67	Sixty seven	Fair		
Probability	2.0	55	Fifty five	Pass		
Signals and Systems	4.0	56	Fifty six	Pass		

3 <sup>rd</sup> year (2015-2016)				First semester		
Subject	Unit	Mark		Grade		
		Figure	Writing			
Communication Systems	4.0	52	Fifty two	Pass		
Computer Architecture	3.0	58	Fifty eight	Pass		
Digital Integrated Circuit Design	2.0	58	Fifty eight	Pass		
Digital Signal Processing	3.0	50	Only Fifty	Pass		
Electrical Power Engineering	3.0	50	Only Fifty	Pass		
Microcontrollers	3.0	54	Fifty four	Pass		

Second semester						
Subject	Unit	Mark		Grade		
		Figure	Writing			
Electromagnetics	3.0	60	Only Sixty	Fair		
Engineering Economics	2.0	50	Only Fifty	Pass		
Engineering Mechanics II	3.0	69	Sixty nine	Fair		
Group project	2.0	74	Seventy four	Good		
Operating Systems	3.0	71	Seventy one	Good		
Power Electronics	3.0	50	Only Fifty	Pass		
Renewable Energy	2.0	54	Fifty four	Pass		

4 <sup>th</sup> year (2016-2017)				First semester		
Subject	Unit	Mark		Grade		
		Figure	Writing			
Computer Networking	4.0	54	Fifty four	Pass		
Control Engineering	4.0	57	Fifty seven	Pass		
Microwave Engineering	4.0	53	Fifty three	Pass		
Power System Analysis	3.0	58	Fifty eight	Pass		
Starting and Running Business	2.0	60	Only Sixty	Fair		

Second semester						
Subject	Unit	Mark		Grade		
		Figure	Writing			
Advanced Communication Systems	4.0	54	Fifty four	Pass		
Estimation	2.0	60	Only Sixty	Fair		
Final year project	6.0	77	Seventy seven	Good		
Image Processing	2.0	63	Sixty three	Fair		
Mechatronics	4.0	59	Fifty nine	Pass		

**Grade:** 50-59 Pass 60-69 Fair 70-79 Good 80-89 V.good 90-100 Excellent

### Notes:

- Min. Period of study is: **Four years.**
- Pass Mark is **50%.**
- (+) Got this mark in the second attempt
- Rank is: 23<sup>rd</sup> out of 25 students.
- Average mark (58.0249 %).
- No. of years failed (None)
- No. of years deferred (One year)
- to the second year (2013-2014)

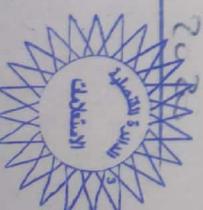
Average Mark Weights:		
First year	10%	Third year
Second year	20%	Fourth year
		40%

**University of Duhok**  
We approve the authenticity  
of this certificate

A-The President  
Dr. Mervan A. A. Yalwa  
No. : 3477  
Date : 24-12-2018

The Registrar  
Dy. Hashim Mabo

Email: reg@uod.ac





University of Duhok



زانكویا دهوك

Degree Certificate / باوه رنامه

مسافر خدر رشو

MUSAFER KHEDER RASHO

باوه رنامه یا

به کالوریوسی

ب ئەندازیاریا کارهبا و کومپیوتەر ل کولیژا ئەندازیاری  
وه رگرت

has been awarded the degree of

**BACHELOR OF SCIENCE**

in

**Electrical and Computer Engineering**

By the College of Engineering

پ. د. مصلح محمد سعید دهوک  
Prof. Dr. Mosleh M. S. Duhoky

سەرۆکی زانکویا دهوک  
The President of The University of Duhok  
Kurdistan Region - Iraq

July 17, 2013