



# North Western University

## BANGLADESH

Issue No: 5202

Serial No. 3860

Faculty of Science and Technology  
Department of Electrical and Electronic Engineering  
Program: Bachelor of Science in Electrical and Electronic Engineering

Name : Manobesh Biswas  
Student ID : 20151025020

Enrollment Semester : Spring-2015  
Completion Semester : Fall-2018

### Transcript of Academic Records

Course Code	Course Title	Credit Hours	Grade
Spring-2015			
EEE-1101	Electrical Circuits-I	3.00	A+
EEE-1102	Electrical Circuits-I Sessional	1.50	A+
Math-1131	Engineering Mathematics-I	3.00	A+
Phy-1133	Physics-I	3.00	A
Phy-1134	Physics-I Sessional	0.75	A
Total Credit Hours : 11.25		Semester GPA : 3.92	
Summer-2015			
CSE-1221	Computer Programming	3.00	C+
CSE-1222	Computer Programming Sessional	0.75	A+
EEE-1201	Electrical Circuits-II	3.00	A+
EEE-1202	Electrical Circuits-II Sessional	0.75	A+
Hum-1241	Functional English & English skills Laboratory	3.00	A+
Math-1231	Engineering Mathematics-II	3.00	A+
Total Credit Hours : 13.50		Semester GPA : 3.67	
Fall-2015			
Chem-1335	Chemistry-I	3.00	B+
Chem-1336	Chemistry-I Sessional	0.75	A
EEE-1301	Basic Electrical & Electronic Filter design Engineering	3.00	A+
EEE-1302	Basic Electrical & Electronic Filter design Engineering Sessional	0.75	A+
Math-1331	Engineering Mathematics-III	3.00	A+
ME-1321	Basic Mechanical Engineering	3.00	A+
ME-1322	Basic Mechanical Engineering Sessional	0.75	A+
Total Credit Hours : 14.25		Semester GPA : 3.83	
Spring-2016			
Chem-2135	Chemistry-II	3.00	A+
Chem-2136	Chemistry-II Sessional	0.75	A+
EEE-2101	Electrical Machines-I	3.00	A+
EEE-2102	Electrical Machines-I Sessional	0.75	A
Math-2131	Engineering Mathematics-IV	3.00	A+
Phy-2133	Physics-II	3.00	A+
Phy-2134	Physics-II Sessional	0.75	A+
Total Credit Hours : 14.25		Semester GPA : 3.99	

Prepared By:

Checked By:

Controller of Examinations

Registrar

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# North Western University

## BANGLADESH

Issue No. 5203

Faculty of Science and Technology  
Department of Electrical and Electronic Engineering  
Program: Bachelor of Science in Electrical and Electronic Engineering

Serial No. 3861

Name : Manobesh Biswas  
Student ID : 20151025020

Enrollment Semester : Spring-2015  
Completion Semester : Fall-2018

### Transcript of Academic Records

Course Code	Course Title	Credit Hours	Grade
Summer-2016			
EEE-2201	Electrical Machines-II	3.00	A+
EEE-2202	Electrical Machines-II Sessional	0.75	A
Math-2231	Engineering Mathematics-V	3.00	A+
Phy-2233	Physics-III	3.00	A+
Phy-2234	Physics-III Sessional	0.75	A+
Total Credit Hours : 10.50		Semester GPA : 3.98	
Fall-2016			
CE-2321	Mechanics of Solids	3.00	A+
CE-2322	Mechanics of Solids Sessional	0.75	A+
EEE-2301	Electronics devices and circuits-I	3.00	A
EEE-2302	Electronics devices and circuits-I Sessional	1.50	A
EEE-2303	Transmission and Distribution of Electrical Power	3.00	A+
EEE-2304	Transmission and Distribution of Electrical Power Sessional	0.75	B+
EEE-2305	Numerical Analysis	3.00	A+
Total Credit Hours : 15.00		Semester GPA : 3.89	
Spring-2017			
CSE-3121	Programming Techniques & Numerical Analysis	3.00	A+
EEE-3101	Electronic devices and circuits -II	3.00	A+
EEE-3102	Electronic devices and circuits -II Sessional	0.75	A+
EEE-3103	Electrical & Electronic Measurements	3.00	A-
EEE-3104	Electrical & Electronic Measurements Sessional	0.75	A+
EEE-3105	Telecommunications-I	3.00	A+
EEE-3106	Telecommunications-I Sessional	0.75	B
Total Credit Hours : 14.25		Semester GPA : 3.84	
Summer-2017			
EEE-3201	Electronic devices and circuits -III	3.00	A
EEE-3202	Electronic devices and circuits III Sessional	0.75	A
EEE-3203	Digital Electronics	3.00	A+
EEE-3204	Digital Electronics Sessional	0.75	A+
Hum-3241	Industrial Management	3.00	A-
Total Credit Hours : 10.50		Semester GPA : 3.77	

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# North Western University

## BANGLADESH

Issue No: 5204

Faculty of Science and Technology  
Department of Electrical and Electronic Engineering  
Program: Bachelor of Science in Electrical and Electronic Engineering

Serial No. 3862

Name : Manobesh Biswas  
Student ID : 20151025020

Enrollment Semester : Spring-2015  
Completion Semester : Fall-2018

### Transcript of Academic Records

Course Code	Course Title	Credit Hours	Grade
Fall-2017			
EEE-3301	Microprocessor & Peripherals	3.00	B+
EEE-3302	Microprocessor & Peripherals Sessional	0.75	A-
EEE-3304	Software Development Sessional	1.50	A+
EEE-3305	Telecommunications- II	3.00	A+
EEE-3306	Telecommunications- II Sessional	0.75	A
EEE-3307	Electromagnetic waves and Field	3.00	A+
Hum-3341	Socioeconomic and Environmental Aspects of Engineering Projects	3.00	A+
Total Credit Hours : 15.00		Semester GPA : 3.81	
Spring-2018			
EEE-4101	Microwave Engineering	3.00	A-
EEE-4103	Integrated Circuits and Industrial Electronics	3.00	A+
EEE-4104	Integrated Circuits and Industrial Electronics Sessional	0.75	A+
EEE-4105	Control System	3.00	A+
EEE-4106	Control System Sessional	0.75	A+
EEE-4107	Material Science	1.50	A-
Total Credit Hours : 12.00		Semester GPA : 3.81	
Summer-2018			
EEE-4200	Project and Thesis I	1.50	A+
EEE-4201	Power System	3.00	A+
EEE-4202	Power System Sessional	0.75	A-
EEE-4203	Power Station	3.00	A+
EEE-4205	Digital system design	3.00	A+
EEE-4206	Digital system design Sessional	0.75	A+
EEE-4207	Digital Signal Processing	3.00	A+
EEE-4208	Digital Signal Processing Sessional	0.75	A+
Total Credit Hours : 15.75		Semester GPA : 3.98	
Fall-2018			
EEE-4300	Project and Thesis II	1.50	A+
EEE-4301	VLSI Circuits	3.00	A+
EEE-4302	VLSI Circuits Sessional	0.75	A
EEE-4303	Switch Gear & Protection	3.00	A
EEE-4304	Switch Gear & Protection Sessional	0.75	A-
EEE-4305	Radar & Satellite Communications	3.00	A+
EEE-4306	Radar & Satellite Communications Sessional	0.75	A+
EEE-4307	High Voltage Engineering	3.00	A+
EEE-4308	High Voltage Engineering Sessional	0.75	A+
Total Credit Hours : 16.50		Semester GPA : 3.92	
Cumulative Grade Point Average (CGPA) : 3.87			

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# North Western University

## BANGLADESH

Issue No. 5205

Faculty of Science and Technology

Serial No.

3863

Department of Electrical and Electronic Engineering

Program: Bachelor of Science in Electrical and Electronic Engineering

### Transcript of Academic Records

#### Summary

Name of Student	: Manobesh Biswas
Student ID	: 20151025020
Degree Awarded	: Bachelor of Science in Electrical and Electronic Engineering
Enrollment Semester	: Spring-2015
Completion Semester	: Fall-2018
Minimum Number of Credit Hours required for the Degree	: 160.00
Total Credit Hours Completed	: 162.75 (excluding the Exempted Credit Hours)
Total Credit Hours Completed	: 162.75 (including the Exempted Credit Hours)
CGPA	: 3.87 (Distinction)
Medium of Instruction	: English
This Transcript contains Four pages including this page	
Result Published on	: January 26, 2019

Issued at Khulna on May 03, 2019

Prepared By.....

Controller of Examinations

Checked By.....

Registrar

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# North Western University

## BANGLADESH

0194

### Transcript Details

#### Accreditation:

North Western University, Khulna has been accredited by the Government of the People's Republic of Bangladesh and its curricula as well as programs have been approved by the University Grants Commission of Bangladesh. The Honorable President of the People's Republic of Bangladesh is the Chancellor of this University.

#### Medium of Instruction:

English is the officially approved medium of instruction in North Western University.

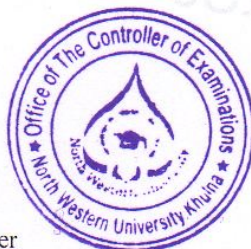
#### Authenticity:

- Official Transcripts are printed in security papers, with an embossing seal of North Western University with the signature of Registrar and Controller of Examinations.
- This transcript cannot be released to a third party without the written consent of the student.
- If and when in doubt as to the authenticity of this transcript, please do not hesitate to contact the Office of the Registrar, North Western University, Khulna.

#### Academic Calendar:

Trimester System.

- **Spring:** January-April
- **Summer:** May-August
- **Fall:** September-December



#### Grading System:

0.00 to 4.00 point scale. Letter grades indicating the quality of course work completed are interpreted as follows:

Grade Determination		
Numerical Grade	Letter Grade	Grade Point
80% and Above	A <sup>+</sup> (plus)	4.00
75% to less than 80%	A (regular)	3.75
70% to less than 75%	A <sup>-</sup> (minus)	3.50
65% to less than 70%	B <sup>+</sup> (plus)	3.25
60% to less than 65%	B (regular)	3.00
55% to less than 60%	B <sup>-</sup> (minus)	2.75
50% to less than 55%	C <sup>+</sup> (plus)	2.50
45% to less than 50%	C (regular)	2.25
40% to less than 45%	D (regular)	2.00
less than 40%	F	0.00
Incomplete	I	0.00
Withdrawn	W	0.00
Continuation ( for project and thesis/design course)		


- Credits accepted as transfer from other universities are subject to the approval of Academic Council and Syndicate of North Western University.
- The details of Courses transferred from other Universities or the Courses which have been waived/exempted will not be mentioned in the Transcript of this university, only the number of Credits will be mentioned.
- Credits accepted as transfer from other universities are counted towards degree, except for calculation of Cumulative Grade Points Average (CGPA).

#### Calculation of Semester GPA:

$$GPA = \frac{\sum C_i G_i}{\sum C_i}$$

#### Calculation of CGPA:

$$CGPA = \frac{\text{Total Completed Credits up to date (TCC)} \times \text{Total Accumulated Grade Points up to date (TAGP)}}{\text{TAGP} \times \text{TCC}}$$

  
Controller of Examinations