

# Dhaka University of Engineering & Technology, Gazipur

Department of Chemical & Food Engineering

B.Sc. in Chemical & Food Engineering

Curriculum for the Session: 2019-2020

## 1<sup>st</sup> Year 2<sup>nd</sup> Semester

Sl. No.	Course No.	Course Title	Contact hours/week	Credits
1.	Math 1803	Mathematics-II	3	3.00
2.	CFE 1501	Fundamentals of Chemical & Food Engineering	3	3.00
3.	CFE 1502	Fundamentals of Chemical & Food Engineering Sessional	3/2	0.75
4.	Ch 1803	Chemistry-II	3	3.00
5.	Ch 1804	Chemistry-II Sessional	3/2	0.75
6.	Ph 1803	Physics-II	3	3.00
7.	Ph 1804	Physics-II Sessional	3/2	0.75
8.	HSS 1803	Economics and Accounting	3	3.00
9.	HSS 1802	Communicative English Sessional	3	1.50
10.	ME 1806	Engineering Drawing-II Sessional	3	1.50
<b>Sub-total:</b>			<b>25.50</b>	<b>20.25</b>

## 2<sup>nd</sup> Year 2<sup>nd</sup> Semester

Sl. No.	Course No.	Course Title	Contact hours/week	Credits
1.	CFE 2505	Numerical Methods for Engineering Application	3	3.00
2.	CFE 2506	Numerical Methods for Engineering Application Sessional	3/2	0.75
3.	CFE 2507	Biochemistry and Biochemical Engineering	4	4.00
4.	CFE 2508	Biochemistry and Biochemical Engineering Sessional	3/2	0.75
5.	CFE 2509	Reaction Kinetics and Bioprocess Engineering	3	3.00
6.	CFE 2510	Reaction Kinetics and Bioprocess Engineering Sessional	3/2	0.75
7.	ME 2805	Heat and Mass Transfer-I	4	4.00
8.	ME 2806	Heat and Mass Transfer-I Sessional	3/2	0.75
9.	ME 2807	Fluid Mechanics and Machinery	3	3.00
10.	ME 2808	Fluid Mechanics and Machinery Sessional	3/2	0.75
<b>Sub-total:</b>			<b>24.50</b>	<b>20.75</b>

## 3<sup>rd</sup> Year 2<sup>nd</sup> Semester

Sl. No.	Course No.	Course Title	Contact hours/week	Credits
1.	CFE 3503	Design of Process Equipment	3	3.00
2.	CFE 3504	Engineering and Professional Ethics Sessional	3/2	0.75
3.	CFE 3512	Analytical Instrumentation Sessional	3/2	0.75
1.	Major -1 courses* /Major- 2 courses**		16.50	14.25
<b>Total :</b>			<b>21.00</b>	<b>18.75</b>

*Razi*

**\*Major- 1 Courses (Food Engineering)**

Sl. No.	Course No.	Course Title	Contact hours/week	Credits
1.	CFE 3607	Food and Industrial Microbiology	3	3.00
2.	CFE 3608	Food Microbiology Sessional	3/2	0.75
3.	CFE 3609	Food Packaging, Transportation and Storage	3	3.00
4.	CFE 3610	Food Packaging, Transportation and Storage Sessional	3/2	0.75
5.	CFE 3611	Food Laws and Safety Regulations	3	3.00
6.	CFE 3613	Refrigeration and Air Conditioning in Food Industry	3	3.00
7.	CFE 3614	Refrigeration and Air Conditioning in Food Industry Sessional	3/2	0.75
<b>Sub-total:</b>			<b>16.50</b>	<b>14.25</b>

**\*\*Major- 2 Courses (Chemical Engineering)**

Sl. No.	Course No.	Course Title	Contact hours/week	Credits
1.	CFE 3707	Reaction Engineering and Reactor Design	3.	3.00
2.	CFE 3708	Reaction Engineering and Reactor Design Sessional	3/2	0.75
3.	CFE 3709	Chemical Process Safety	3	3.00
4.	CFE 3711	Physical and Analytical Chemistry	3	3.00
5.	CFE 3712	Physical and Analytical Chemistry Sessional	3/2	0.75
6.	CFE 3713	Environmental Management and Control	3	3.00
7.	CFE 3714	Environmental Management and Control Sessional	3/2	0.75
<b>Sub-total :</b>			<b>16.50</b>	<b>14.25</b>

*Raju*  
08-03-2020

**Raju Ahmmed**  
Course Co-ordinator (UG)  
Department of Chemical & Food Engineering

*Kamruzzaman*  
08/03/2020

**Professor Dr. Md. Kamruzzaman**  
Head  
Department of Chemical & Food Engineering

*Under the  
circumstances,  
I am  
approving  
Hand of 08/03/2020  
Raju Ahmmed  
Registrar.*