#### **BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS)** AY2022 - 2023 Intake onwards

with Professional Internship

	Number of Academic Units (Al					)			
Programme	Year of Study Major Requirement		equirement	Interdisciplinary		Broadening and			
Flogramme	rear of Study	Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core		Total		
					(FC)	Electives (BDE)			
	1	17		11		6	34		
Chemistry and	2	21		6	3	8	38		
Biological	3	18			2	19	39		
Chemistry	4		12		10	6	28		
	Total	56	12	17	15	39	139		
Sc in Chemistry ategory	and Biological Common Core	•	th 2nd Major in	Food Science a	nd Technology	(FST) AU	Total Al		
			nication in the In	terdisciplinary V	World	2			
	CC0002 Naviga				vona	2			
	-		Aulti-Cultural Wo	orld		2			
						2	17		
atordisciplinary	CC0005 Health		-	nvironmont			17		
nterdisciplinary		-	ty, Economy & E	invironment		3			
Collaborative			gy for Humanity	mont faith		3			
Core (ICC)	MILUUU4 Caree	r and Entrepre	eneurial Develop	iment for the FL	iture world	2			
	Foundational (								
			ross the Science			2			
			Science and Art	ificial Intelligen	ce	3	15		
	CM4081 Profe	ssional Intern	ship			10			
	CHEM Core								
	CM1001	Foundations	of Chemistry I			4			
	CM1002	Foundations	of Chemistry II			4			
	MH1802	Calculus for t	he Sciences			4			
	MH1804	Mathematics	for Chemistry			2			
	PH1801	Foundations	oundations of Physics I						
	CM2021	Inorganic and	3						
	CM2011	Analytical Chemistry				3			
	CM2061		, Biological Chemi	stry Laboratory	1	3	56		
	PS0001		to Computation			3			
Major	CM2031		Bioorganic Chem	0		3			
Requirement	CM2031 CM2041	-	Biophysical Cher			-			
Requirement				-	2	3 3			
	CM2062		Chemistry & Biological Chemistry Laboratory 2 Chemical Spectroscopy and Applications						
	CM3011 <sup>&amp;</sup>			• •		3			
	CM3041 <sup>&amp;</sup>	•	Biophysical Cher	•		3			
	CM3062		Biological Chemi		4	3			
	CM3031 <sup>&amp;</sup>	-	tion Mechanism	s and Synthesis		3			
	CM3021 <sup>&amp;</sup>	Organometal	lic Chemistry			3			
	CM3061	Chemistry &	Biological Chemi	stry Laboratory	3	3			
	CHEM Major P	rescribed Ele	ctives (MPE)						
	4 x MPEs					12	12		
	Food Science a	nd Technolog	y Compulsory C	ourses					
	1) CH5201 Foo					5			
2nd Major in	2) CH5200 Foo		v			3			
Food Science	3) CH5203 Foo	-				5			
ind Technology	4) CH5203 F00		incernig				30		
(FST)			)			3			
-	5) CH5204 Qua		operations			2			
	6) NTU-FST MF	'E X 4				12			
						<b></b>			
DE	Any 3 BDE					9	9		
	7 -					5	2		

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

#### BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) Suggested Study Plan for AY2022-2023 intake

with Professional Internship

Year 1 Sen	nester 1		
Course		Туре	AU
CM1001	Foundations of Chemistry I	С	4
MH1802	Calculus for the Sciences	С	4
CC0001	Inquiry and Communication in the Interdisciplinary World	СС	2
CC0002	Navigating the Digital World	CC	2
CC0005	Healthy Living & Well-being	СС	3
HW0001	Introduction to Academic Communica	ition*	
*for stude	nts who have not cleared QET		15
Year 2 Sen Course	nester 1	Type	AU

Course		Туре	AU
CM2011	Analytical and Bioanalytical Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3
PS0001	Introduction to Computational Thinking	С	3
CC0006	Sustainability: Society, Economy & Environment	СС	3
CH5201	Food Chemistry	BDE	5

Year 1 Sen	nester 2		
Course		Туре	AU
CM1002	Foundations of Chemistry II	С	4
MH1804	Mathematics for Chemistry	С	2
PH1801	Foundations of Physics I	С	3
CC0003	Ethics & Civics in a Multi-Cultural World	СС	2
ML0004	Career and Entrepreneurial Development for the Future World	СС	2
	BDE 1	BDE	3
	BDE 2	BDE	3

Year 2 Semester 2

Course	ester 2	Туре	AU
CM2031	Organic and Bioorganic Chemistry	С	3
CM2041	Physical and Biophysical Chemistry 1	С	3
CM2062	Chemistry & Biological Chemistry Laboratory 2	С	3
PS0002	Introduction to Data Science and Artificial Intelligence	FC	3
CC0007	Science & Technology for Humanity	CC	3
CH5200	Food Microbiology	BDE	3

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Year 3 Semester 1				
Course				
CM3xxx <sup>&amp;</sup>	CHEM-Core			
CM3xxx <sup>&amp;</sup>	CHEM-Core			

CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3062	Chemistry & Biological Chemistry Laboratory 4	С	3
CH5203	Food Process Engineering	BDE	5
	NTU-FST Prescribed Elective	BDE	3
	BDE 3	BDE	3
Year 4 Sen	nester 1		20
Course		Туре	AU
CM4081	Professional Internship	FC	10

#### Year 3 Semester 2

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AU

10

Туре

Course		Туре	AU
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3061	Chemistry & Biological Chemistry Laboratory 3	С	3
CH5202	Food Physics	BDE	3
CH5204	Quality Systems Operations	BDE	2
	NTU-FST Prescribed Elective	BDE	3
HW0218	Communication Across the Sciences	FC	2

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Course	Туре
CHEM MPE1	MPE
CHEM MPE2	MPE
CHEM MPE3	MPE
CHEM MPE4	MPE
NTU-FST Prescribed Elective	BDE
NTU-FST Prescribed Elective	BDE
	DDL
Total (AU)	

This study plan is meant as a guide.

<sup>&</sup> CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

### **BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS)** AY2022 - 2023 Intake onwards

FYP with Professional Attachment

			lemic Units (AU	)			
Programme	Year of	Major Re	quirement	Interdise	ciplinary	Broadening and	
Fiogramme	Study	Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core	Deepening	Total
					(FC)	Electives (BDE)	
	1	17		11			28
Chemistry and	2	21		6	3	8	38
Biological	3	18			7	18	43
Chemistry	4		22			8	30
	Total	56	22	17	10	34	139
	and Biolo	gical Chemistry	y with 2nd Majo	r in Food Scienc	ce and Technolo		
Category	-					AU	Total AU
		Core (Universit					
			munication in th	e Interdisciplina	ary World	2	
		avigating the D	-			2	
			a Multi-Cultura	World		2	
		ealthy Living &	-			3	17
nterdisciplinary						3	
Collaborative			ology for Humar	•		3	
Core (ICC)	ML0004 C	areer and Entre	epreneurial Dev	elopment for the	e Future World	2	
		onal Core (Colle					
	HW0218 (	Communication	Across the Scie	nces		2	
	PS0002 In	troduction to D	ata Science and	Artificial Intellig	gence	3	10
	CM4082 Professional Attachment					5	
	CHEM Cor	e					
	CM1001	Foundations of	4				
	CM1002	Foundations of	4				
	MH1802	Calculus for th	4				
	MH1804	Mathematics <sup>•</sup>	2				
	PH1801	1801 Foundations of Physics I					
	CM2021	Inorganic and	3				
	CM2011	Analytical Che	3				
	CM2061	, Chemistry & E	3				
	PS0001	Introduction t	3				
	CM2031	Organic and B	3	56			
Major	CM2041	Physical and B	3				
Requirement			3				
		062 Chemistry & Biological Chemistry Laboratory 2 011 <sup>&amp;</sup> Chemical Spectroscopy and Applications					
			anu A	- NICULIOIIS		3	
	CM2041&	Physical and D	ionhysical Chem			2	
			iophysical Chem	nistry 2	1	3	
	CM3062	Chemistry & E	iological Chemis	histry 2 Stry Laboratory 4	4	3	
	CM3062 CM3031 <sup>&amp;</sup>	Chemistry & E Organic React	iological Chemis ion Mechanisms	histry 2 Stry Laboratory 4	4	3 3	
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup>	Chemistry & E Organic React Organometall	iological Chemis ion Mechanisms ic Chemistry	istry 2 stry Laboratory 4 and Synthesis		3 3 3	
	CM3062 CM3031 <sup>&amp;</sup>	Chemistry & E Organic React Organometall	iological Chemis ion Mechanisms	istry 2 stry Laboratory 4 and Synthesis		3 3	
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061	Chemistry & E Organic React Organometall Chemistry & E	iological Chemis ion Mechanisms ic Chemistry iological Chemis	istry 2 stry Laboratory 4 and Synthesis		3 3 3	
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE)	istry 2 stry Laboratory 4 and Synthesis		3 3 3 3	
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080	Chemistry & E Organic React Organometall Chemistry & E	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE)	istry 2 stry Laboratory 4 and Synthesis		3 3 3 3 10	22
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE)	istry 2 stry Laboratory 4 and Synthesis		3 3 3 3	22
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080 4 x MPEs	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE) ect 1	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10	22
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scien	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE) ect 1 Dology Compulso	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12	22
2nd Major in	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scier 1) CH5201	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE) ect 1 ology Compulso	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5	22
2nd Major in Food Science	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scier 1) CH5201 2) CH5200	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techno Food Chemist Food Microbio	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3	22
Food Science	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>&amp;</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scier 1) CH5201 2) CH5200 3) CH5203	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techno Food Chemist Food Microbio Food Process	iological Chemis ion Mechanisms ic Chemistry iological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3 5	22
	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>®</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scien 1) CH5201 2) CH5203 4) CH5202	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techno Food Chemist Food Microbio Food Process Food Physics	iological Chemis ion Mechanisms ic Chemistry biological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy Engineering	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3 5 3 5 3	
Food Science and Technology	CM3062 CM3031 <sup>&amp;</sup> CM3061 <b>CHEM Ma</b> CM4080 4 x MPEs <b>Food Scie</b> 1) CH5201 2) CH5200 3) CH5203 4) CH5202 5) CH5204	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techne Food Chemist Food Microbio Food Process Food Physics Quality Syster	iological Chemis ion Mechanisms ic Chemistry biological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy Engineering	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3 5 3 5 3 2	
Food Science and Technology	CM3062 CM3031 <sup>&amp;</sup> CM3021 <sup>®</sup> CM3061 CHEM Ma CM4080 4 x MPEs Food Scien 1) CH5201 2) CH5203 4) CH5202	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techne Food Chemist Food Microbio Food Process Food Physics Quality Syster	iological Chemis ion Mechanisms ic Chemistry biological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy Engineering	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3 5 3 5 3	
Food Science and Technology	CM3062 CM3031 <sup>&amp;</sup> CM3061 <b>CHEM Ma</b> CM4080 4 x MPEs <b>Food Scie</b> 1) CH5201 2) CH5200 3) CH5203 4) CH5202 5) CH5204	Chemistry & E Organic React Organometall Chemistry & E jor Prescribed Honours Proje nce and Techne Food Chemist Food Microbio Food Process Food Physics Quality Syster	iological Chemis ion Mechanisms ic Chemistry biological Chemis Electives (MPE) ect 1 blogy Compulso ry blogy Engineering	istry 2 stry Laboratory 4 and Synthesis stry Laboratory 3		3 3 3 3 10 12 5 3 5 3 5 3 2	

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

#### BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) Suggested Study Plan for AY2022-2023 intake

FYP with Professional Attachment Option

. . . with rejessional Attachment Optio

\*for students who have not cleared QET

Year 1 Semester 1					
Course		Туре	AU		
CM1001	Foundations of Chemistry I	С	4		
MH1802	Calculus for the Sciences	С	4		
CC0001	Inquiry and Communication in the	CC	2		
CC0002	Navigating the Digital World	CC	2		
CC0005	Healthy Living & Well-being	сс	3		
HW0001	Introduction to Academic Communico	ition*			

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## Year 2 Semester 1

Year 2 Sen	nester 1		
Course		Туре	AU
CM2011	Analytical and Bioanalytical Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3
PS0001	Introduction to Computational Thinking	С	3
CC0006	Sustainability: Society, Economy & Environment	СС	3
CH5201	Food Chemistry	BDE	5

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#### Year 3 Semester 1

Course		Туре	AU
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3062	Chemistry & Biological Chemistry Laboratory 4	С	3
CH5203	Food Process Engineering	BDE	5
	NTU-FST Prescribed Elective	BDE	3
	BDE 1	BDE	2

	19
Туре	AU
MPE	3
BDE	3
BDE	3
	MPE MPE MPE MPE BDE

Year 1 Sen	nester 2		
Course		Туре	AU
CM1002	Foundations of Chemistry II	С	4
MH1804	Mathematics for Chemistry	С	2
PH1801	Foundations of Physics I	С	3
CC0003	Ethics & Civics in a Multi-Cultural World	СС	2
ML0004	Career and Entrepreneurial Development for the Future World	СС	2
			12
			13

#### Year 2 Semester 2

Course		Туре	AU
CM2031	Organic and Bioorganic Chemistry	С	3
CM2041	Physical and Biophysical Chemistry 1	С	3
CM2062	Chemistry & Biological Chemistry Laboratory 2	С	3
PS0002	Introduction to Data Science and Artificial Intelligence	FC	3
CC0007	Science & Technology for Humanity	CC	3
CH5200	Food Microbiology	BDE	3

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Year 3 Sem	nester 2		
Course		Туре	AU
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3061	Chemistry & Biological Chemistry Laboratory 3	С	3
CH5202	Food Physics	BDE	3
CH5204	Quality Systems Operations	BDE	2
	NTU-FST Prescribed Elective	BDE	3
HW0218	Communication Across the Sciences	FC	2
<u>Year 3 Spe</u>	<u>cial Sem</u>		
CM4082	Professional Attachment	FC	5
			24
Year 4 Sem	nester 2		
Course		Туре	AU
CM4080	Honours Project 1	MPE	10
	BDE 2	BDE	2
			12
	Total (AU)		139

This study plan is meant as a guide.

<sup>&</sup> CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

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# **BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS)** AY2022 - 2023 Intake onwards

with Professional Internship and FYP

	Year of	Number of Academic Units (A   Year of Major Requirement   Interdisciplinary					
Programme	Study	Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core	Broadening and Deepening	Total
	1	20	- , - , · ,	11	(FC)	Electives (BDE)	31
Chemistry and	2	18		6	3	14	41
Biological	3	18	6	0	2	16	42
Chemistry	4		16		10		26
,	Total	56	22	17	15	30	140
		1			I	L L	
-	and Biolog	gical Chemistry	/ with 2nd Majo	r in Food Scienc	e and Technolo	gy (FST)	
ategory		- /·· · ·				AU	Total AL
		Core (Universit					
			munication in th	e Interdisciplina	iry World	2	
		avigating the D	-			2	
			a Multi-Cultura	World		2	47
		ealthy Living &	0			3	17
nterdisciplinary			ciety, Economy			3	
Collaborative			ology for Humar			3	
Core (ICC)	ML0004 C	areer and Entro	epreneurial Deve	elopment for the	e Future World	2	
	Foundatio	nal Core (Colle					
			Across the Scie	nces		2	
			ata Science and		Jence	3	15
		rofessional Int		Artificial intellig	sence	10	15
						<u> </u>	
	CHEM Cor					1	
	CM1001	Foundations of				4	
	CM1002	Foundations of	of Chemistry II			4	
	MH1802	Calculus for the	ne Sciences			4	
	MH1804	Mathematics	for Chemistry			2	
	PH1801	Foundations of	of Physics I			3	
	CM2021	Inorganic and	Bioinorganic Ch	emistry		3	
	CM2011	Analytical Che	emistry			3	
	CM2061	Chemistry & E	Siological Chemis	stry Laboratory	1	3	
	PS0001				3	56	
Major	CM2031	Organic and B	ioorganic Chem	istry		3	50
	CM2041	Physical and E	iophysical Chem	nistry 1		3	
Requirement	CM2062	Chemistry & E	Biological Chemis	stry Laboratory	2	3	
	CM3011 <sup>&amp;</sup>	Chemical Spe	ctroscopy and A	oplications		3	
	CM3041 <sup>&amp;</sup>	Physical and E	iophysical Chem	nistry 2		3	
			Biological Chemi		4	3	
			ion Mechanisms			3	
		Organometall		,		3	
	CM3061		Biological Chemi	stry Laboratory	3	3	
	CHEM Ma CM4080	jor Prescribed Honours Proje	Electives (MPE)			10	
	4 x MPEs					10	22
	7 X IVII L3						
	Food Scier	nce and Techno	ology Compulso	ry Courses			
2nd Major in	1) CH5201	Food Chemist	ry			5	
	2) CH5200	Food Microbio	ology			3	
Food Science		Food Process				5	20
and Technology		Food Physics	- 0			3	30
(FST)		Quality Syster	ns Operations			2	
	6) NTU-FS					12	
						•ł	

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

#### BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) Suggested Study Plan for AY2022-2023 intake

with Professional Internship and FYP

Year 1 Sen	Year 1 Semester 1					
Course		Туре	AU			
CM1001	Foundations of Chemistry I	С	4			
MH1802	Calculus for the Sciences	С	4			
CC0001	Inquiry and Communication in the Interdisciplinary World	СС	2			
CC0002	Navigating the Digital World	CC	2			
CC0005	Healthy Living & Well-being	СС	3			

HW0001 Introduction to Academic Communication\*

\*for students who have not cleared QET

#### Year 2 Semester 1

rear 2 bein			
Course		Туре	AU
CM2011	Analytical and Bioanalytical Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3
PS0001	Introduction to Computational Thinking	С	3
CC0006	Sustainability: Society, Economy & Environment	СС	3
CH5201	Food Chemistry	BDE	5

Year 1 Sem	nester 2		
Course		Туре	AU
CM1002	Foundations of Chemistry II	С	4
MH1804	Mathematics for Chemistry	С	2
PH1801	Foundations of Physics I	С	3
CC0003	Ethics & Civics in a Multi-Cultural World	СС	2
ML0004	Career and Entrepreneurial Development for the Future World	СС	2

Year 3 Semester 2

#### Year 2 Semester 2 Course Туре AU CM2031 Organic and Bioorganic Chemistry С 3 Physical and Biophysical Chemistry 1 CM2041 С 3 Chemistry & Biological Chemistry CM2062 С 3 Laboratory 2 Introduction to Data Science and PS0002 FC 3 Artificial Intelligence CC0007 Science & Technology for Humanity CC 3 CH5200 Food Microbiology BDE 3 **NTU-FST Prescribed Elective** BDE 3

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Year 3 Sem	nester 1		
Course		Туре	AU
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3
CM3041	Physical and Biophysical Chemistry 2	С	3
CM3062	Chemistry & Biological Chemistry Laboratory 4	С	3
CH5203	Food Process Engineering	BDE	5
	NTU-FST Prescribed Elective	BDE	3
I			

1	2	n		

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Course		Туре	AU				
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3				
CM3xxx <sup>&amp;</sup>	CHEM-Core	С	3				
CH5202	Food Physics	BDE	3				
CH5204	Quality Systems Operations	BDE	2				
HW0218	Communication Across the Sciences	FC	2				
	NTU-FST Prescribed Elective	BDE	3				
	NTU-FST Prescribed Elective	BDE	3				
	CHEM MPE 1	MPE	3				
			22				
Year 4 Semester 2							

Year 4 Semester 1				Year 4 Semester 2			
Course		Туре	AU	Course		Туре	AU
CM4081	Professional Internship	FC	10	CM4080	Honours Project 1	MPE	10
					CHEM MPE 2	MPE	3
					CHEM MPE 3	MPE	3
					CHEM MPE 4	MPE	3
			10				19
					Total (AU)		140

This study plan is meant as a guide.

<sup>&</sup> CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters