BSc in Chemistry and Biological Chemistry with 2nd Major in Data Analytics (CHDA)

AY2022 - 2023 Intake onwards

with Professional Internship

		Number of Academic Units (AU)								
	Year of	Major Requirement		Interdis	ciplinary	Broadening and				
Programme	Study Major PE (MDE) Common Coro (CC) Foundational Core Deepening		Core (C) Major PE (MPE) Common Core (CC) Foundational Core		Deepening Electives (BDE)	Total				
	1	17		9		6	32			
Chemistry and	2	21		8	3	9	41			
Biological	3	18			2	21	41			
Chemistry	4		12		10	6	28			
	Total	56	12	17	15	42	142			

Category	-	ogical Chemistry with 2nd Major in Data Analytics (CH	AU	Total AU			
Category	Common	Core (University-level)	AU	TOTAL AU			
		quiry and Communication in the Interdisciplinary World	2				
			2 2				
		avigating the Digital World					
		hics & Civics in a Multi-Cultural World	2				
		ealthy Living & Wellbeing	3				
Interdisciplinary		stainability: Society, Economy & Environment	3	17			
Collaborative		ience & Technology for Humanity	3				
Core (ICC)		areer and Entrepreneurial Development for the Future	2				
33.3 (.33)	World						
	Foundatio	nal Core (College-level)					
	HW0218 0	Communication Across the Sciences	2	15			
	PS0002 In	troduction to Data Science and Artificial Intelligence	3	15			
	CM4081 P	rofessional Internship	10				
			_				
	CHEM Cor		_				
		Foundations of Chemistry I	4				
	CM1002	Foundations of Chemistry II	4				
	MH1082	Calculus for the Sciences	4				
		Mathematics for Chemistry	2				
	PH1801	Foundations of Physics I	3				
	CM2011	Analytical and Bioanalytical Chemistry	3				
	CM2021	Inorganic and Bioinorganic Chemistry	3				
	CM2061	Chemistry & Biological Chemistry Laboratory 1	3				
	CM2031	Organic and Bioorganic Chemistry	3	56			
Major	CM2041	Physical and Biophysical Chemistry 1	3				
Requirement	CM2062	Chemistry & Biological Chemistry Laboratory 2	3				
	PS0001^	Introduction to Computational Thinking	3				
	CM3011 ^{&}	Chemical Spectroscopy and Applications	3				
	CM3041 ^{&}	Physical and Biophysical Chemistry 2	3				
	CM3062	Chemistry & Biological Chemistry Laboratory 4	3				
	CM3031 ^{&}	Organic Reaction Mechanisms and Synthesis	3				
	CM3021 ^{&}	Organometallic Chemistry	3				
	CM3061	Chemistry & Biological Chemistry Laboratory 3	3				
	CHEM MA	jor Prescribed Electives (MPE)					
	4 x MPEs	joi i rescribed Liectives (ivir L)	12	12			

DE	Any 6 BDE	17	17
	Students are responsible to plan for their 2nd major courses	1	
	MH4702 Probabilistic Methods in OR (4AU)		
	MH4512 Clinical Trials (4AU)		
	MH4511 Sampling and Survey (4AU) @		
	MH4320 Computational Economics (4AU)		
	MH4302 Theory of Computing (4AU)		
	MH4513 Survival Analysis (4AU)		
	MH4500 Time Series Analysis (4AU)		
(DDL3)	MH3701 Basic Optimization (4AU)		
(BDEs)	MH3511 Data Analysis with Computer (3AU)	9 - 12	9 - 12
Data Analytics	MH3510 Regression Analysis (4AU)		
2nd Major in	MH3400 Algorithms for the Real World (4AU) MH3500 Statistics (4AU)		
	ES2001 Computational Earth Systems Science (4AU)		
	CM4044* Artificial Intelligence in Chemistry (3AU)		
	CM4043* Molecular Modelling: Principles and Applications (3AU)		
	BS4017 High-Throughput Bioinformatics (3AU)		
	BS3008 Computational Biology and Modeling (3AU)		
	BC2407 Analytics II: Advanced Predictive Techniques (4AU)		
	Data Analytics Electives (Read any 3)	I	1
	Predictive Techniques (4AU)/ SC4024 Data Visualization (3AU)	3 - 4	
	7) Data Visualisation/Management: BC2406 Analytics I: Visual and	2.4	
	6) Data Mining: EE4483 Artificial Intelligence & Data Mining	3	
	Database(3AU)		
	EE4791 Database Systems (3AU)/SC2207 Introduction to	3 - 4	
(BDEs)	5) Database: BC2402 Designing & Developing Databases (4AU) /		16 - 18
Data Analytics	4) Algorithms: MH1403 Algorithms & Computing	3	16 10
2nd Major in	Thinking	NA	
	3) Data Analysis/Computing: PS0001 Introduction to Computational	INA	
	2) Linear Algebra: MH1804 Mathematics for Chemistry	NA	
	1) Probability and Statistics: MH2500 Probability and Introduction to Statistics	4	
	Data Analytics Compulsory Courses	1	

[^]Counted towards 2nd major in Data Analytic Compulsory Course

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

^{*}Can be counted towards CHEM MPE

-	mistry and Biological Chemistry) with 2r	nd major	in Data Ana	lytics (CHDA)			
00	Study Plan for AY2022-2023 intake sional Internship						
	5.6.1.d						
Year 1 Sem Course	ester 1	Туре	AU	Year 1 Sem Course	ester 2	Туре	AU
CM1001	Foundations of Chemistry I	С	4	CM1002	Foundations of Chemistry II	С	4
MH1802	Calculus for the Sciences	С	4	MH1804^	Mathematics for Chemistry	С	2
CC0001	Inquiry and Communication in the Interdisciplinary World	СС	2	PH1801	Foundations of Physics I	С	3
CC0002	Navigating the Digital World	СС	2	CC0003	Ethics & Civics in a Multi-Cultural World	CC	2
CC0005	Healthy Living & Well-being	CC	3		BDE 1 BDE 2	BDE BDE	3 3
HW0001	Introduction to Academic Communicati	ion*					
*for studen	to who have not cleared OFT		15				17
	ts who have not cleared QET						
Year 2 Sem	ester 1	Typo	A11	Year 2 Sem	ester 2	Typo	A11
Course	Analytical and Bioanalytical	Туре	AU	Course		Туре	AU
CM2011	Chemistry	С	3	CM2031	Organic and Bioorganic Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3	CM2041	Physical and Biophysical Chemistry 1	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3	CM2062	Chemistry & Biological Chemistry Laboratory 2	С	3
PS0001^	Introduction to Computational Thinking	С	3	PS0002	Introduction to Data Science and Artificial Intelligence	FC	3
CC0006	Sustainability: Society, Economy & Environment	CC	3	CC0007	Science & Technology for Humanity	CC	3
ML0004	Career and Entrepreneurial Development for the Future World	СС	2	MH1403	Algorithms & Computing	BDE	3
	BDE 3	BDE	3		BDE 4	BDE	3
			20				21
Year 3 Sem	ester 1			Year 3 Sem	ester 2		
Course		Туре	AU	Course		Туре	AU
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3062	Chemistry & Biological Chemistry	С	3	CM3061	Chemistry & Biological Chemistry	С	3
BC2402	Laboratory 4 Designing & Developing Databases	חסר	4		Laboratory 3	r.c	2
	Analytics I: Visual and Predictive	BDE	4	HW0218	Communication Across the Sciences	FC	2
BC2406	Techniques Probability and Introduction to	BDE	4	MH3500	Statistics (CHDA Elective 1)	BDE	4
MH2500	Statistics	BDE	4		CHDA Elective 2	BDE	3
					BDE 5	BDE	2
			21				20
Year 4 Sem	ester 1			Year 4 Sem	ester 2		
Course		Type	AU	Course		Type	AU
CM4043^/	Molecular Modelling: Principles and Applications or	MPE	3	CM4081	Professional Internship	FC	10
CM4044^	Artificial Intelligence in Chemistry		2				
	CHEM MPE2	MPE	3				
	CHEM MPE3 CHEM MPE4	MPE MPE	3 3				
FF4483		RDF					
EE4483	Artificial Intelligence & Data Mining BDE 6	BDE BDE	3 3				
EE4483	Artificial Intelligence & Data Mining						10

This study plan is meant as a guide.
^Counted towards 2nd major in Data Analytic requirements

[&]amp; CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

BSc in Chemistry and Biological Chemistry with 2nd Major in Data Analytics (CHDA)

AY2022 - 2023 Intake onwards

FYP with Professional Attachment

		Number of Academic Units (AU)								
D	Year of	Major Red	quirement	Interdis	ciplinary	Broadening and	Total			
Programme	Study	Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core (FC)					
	1	17		9		6	32			
Chemistry and	2	21		8	3	6	38			
Biological	3	18			7	19	44			
Chemistry	4		22			6	28			
	Total	56	22	17	10	37	142			

Category			AU	Total AU		
	Common (Core (University-level)				
	CC0001 In	quiry and Communication in the Interdisciplinary World	2			
	CC0002 Na	avigating the Digital World	2			
	CC0003 Et	hics & Civics in a Multi-Cultural World	2			
	CC0005 He	ealthy Living & Wellbeing	3	47		
Intordicainlines	CC0006 Su	stainability: Society, Economy & Environment	3	17		
nterdisciplinary Collaborative	CC0007 Sc	ience & Technology for Humanity	3			
	ML0004 Ca	areer and Entrepreneurial Development for the Future				
Core (ICC)	World		2			
	Foundatio	nal Core (College-level)				
		Communication Across the Sciences	2			
		roduction to Data Science and Artificial Intelligence	3	10		
l		rofessional Attachment	5			
	10			l .		
.	CHEM Cor	e				
	CM1001	Foundations of Chemistry I	4			
	CM1002	Foundations of Chemistry II	4			
	MH1082	Calculus for the Sciences	4			
	MH1804^	Mathematics for Chemistry	2			
	PH1801	Foundations of Physics I	3			
	CM2011	Analytical and Bioanalytical Chemistry	3			
	CM2021	Inorganic and Bioinorganic Chemistry	3			
	CM2061	Chemistry & Biological Chemistry Laboratory 1	3			
	CM2031	Organic and Bioorganic Chemistry	3	56		
Major	CM2041	Physical and Biophysical Chemistry 1	3	30		
	CM2062	Chemistry & Biological Chemistry Laboratory 2	3			
Requirement	PS0001^	Introduction to Computational Thinking	3			
	CM3011 ^{&}	Chemical Spectroscopy and Applications	3			
	CM3041 ^{&}	Physical and Biophysical Chemistry 2	3			
	CM3062	Chemistry & Biological Chemistry Laboratory 4	3			
	CM3031 ^{&}	Organic Reaction Mechanisms and Synthesis	3			
	CM3021 ^{&}		3			
	CM3061	Chemistry & Biological Chemistry Laboratory 3	3			
	CHEM Ma	or Prescribed Electives (MPE)	1	<u> </u>		
	CM4080	Honours Project 1	10	22		
	4 x MPEs		12			

	MH4512 Clinical Trials (4AU) MH4702 Probabilistic Methods in OR (4AU) Students are responsible to plan for their 2nd major courses		
2nd Major in Data Analytics (BDEs)	BS3008 Computational Biology and Modeling (3AU) BS4017 High-Throughput Bioinformatics (3AU) CM4043* Molecular Modelling: Principles and Applications (3AU) CM4044* Artificial Intelligence in Chemistry (3AU) ES2001 Computational Earth Systems Science (4AU) MH3400 Algorithms for the Real World (4AU) MH3500 Statistics (4AU) MH3510 Regression Analysis (4AU) MH3511 Data Analysis with Computer (3AU) MH3701 Basic Optimization (4AU) MH4500 Time Series Analysis (4AU) MH4513 Survival Analysis (4AU) MH4513 Theory of Computing (4AU) MH4320 Computational Economics (4AU) MH4321 Sampling and Survey (4AU) @	9 - 12	9 - 12
	Data Analytics Electives (Read any 3) BC2407 Analytics II: Advanced Predictive Techniques (4AU)		
	Predictive Techniques (4AU) / SC4024 Data Visualization (3AU)		
	6) Data Mining: EE4483 Artificial Intelligence & Data Mining 7) Data Visualisation/Management: BC2406 Analytics I: Visual and	3 3 - 4	
(BDES)	5) Database: BC2402 Designing & Developing Databases (4AU) / EE4791 Database Systems (3AU) / SC2207 Introduction to Database (3AU)	3 - 4	
Data Analytics (BDEs)	4) Algorithms: MH1403 Algorithms & Computing	3	16 - 18
2nd Major in	3) Data Analysis/Computing: PS0001 Introduction to Computational Thinking	NA	
	Statistics 2) Linear Algebra: MH1804 Mathematics for Chemistry	NA	
	Data Analytics Compulsory Courses 1) Probability and Statistics: MH2500 Probability and Introduction to	4	

[^]Counted towards 2nd major in Data Analytic Compulsory Course

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

^{*}Can be counted towards CHEM MPE

	rofessional Attachment						
Year 1 Sem	nester 1			Year 1 Sem	nester 2		
Course		Туре	AU	Course		Туре	AU
CM1001	Foundations of Chemistry I	С	4	CM1002	Foundations of Chemistry II	С	4
MH1802	Calculus for the Sciences	С	4	MH1804^	Mathematics for Chemistry	С	2
CC0001	Inquiry and Communication in the Interdisciplinary World	CC	2	PH1801	Foundations of Physics I	С	3
CC0002	Navigating the Digital World	CC	2	CC0003	Ethics & Civics in a Multi-Cultural World	CC	2
CC0005	Healthy Living & Well-being	CC	3		BDE 1 BDE 2	BDE BDE	3
HW0001	Introduction to Academic Communicati	ion*					
*for studen	nts who have not cleared QET		15				17
Year 2 Sem	nester 1			Year 2 Sem	nester 2		
Course		Туре	AU	Course		Туре	AU
CM2011	Analytical and Bioanalytical Chemistry	С	3	CM2031	Organic and Bioorganic Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3	CM2041	Physical and Biophysical Chemistry 1	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3	CM2062	Chemistry & Biological Chemistry Laboratory 2	С	3
PS0001^	Introduction to Computational Thinking	С	3	PS0002	Introduction to Data Science and Artificial Intelligence	FC	3
CC0006	Sustainability: Society, Economy & Environment	CC	3	CC0007	Science & Technology for Humanity	СС	3
ML0004	Career and Entrepreneurial Development for the Future World	CC	2	MH1403	Algorithms & Computing	BDE	3
	BDE 3	BDE	3				
			20				18
Year 3 Sem	nester 1			Year 3 Sem	nester 2		
Course		Туре	AU	Course		Type	AU
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3062	Chemistry & Biological Chemistry Laboratory 4	С	3	CM3061	Chemistry & Biological Chemistry Laboratory 3	С	3
BC2402	Designing & Developing Databases	BDE	4	HW0218	Communication Across the Sciences	FC	2
BC2406	Analytics I: Visual and Predictive Techniques	BDE	4	MH3500	Statistics (CHDA Elective 1)	BDE	4
MH2500	Probability and Introduction to Statistics	BDE	4		CHDA Elective 2	BDE	3
				Year 3 Spe			
				CM4082	Professional Attachment	FC	5
			21				23
Year 4 Sem Course	nester 1	Туре	AU	Year 4 Sem Course	nester 2	Туре	AU
CM4043^/	Molecular Modelling: Principles and	MPE	3	CM4080	Honours Project 1	MPE	10
CM4044^	Applications <u>or</u> Artificial Intelligence in Chemistry						
	CHEM MPE2	MPE	3				
	CHEM MPE3	MPE	3				
EE4402	CHEM MPE4	MPE	3				
EE4483	Artificial Intelligence & Data Mining BDE 4	BDE BDE	3 3				
			18				10
					Total (AU)		142

This study plan is meant as a guide.

[^]Counted towards 2nd major in Data Analytic requirements

 $^{^{\&}amp;}$ CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

BSc in Chemistry and Biological Chemistry with 2nd Major in Data Analytics (CHDA)

AY2022 - 2023 Intake onwards

with Professional Internship and FYP

		Number of Academic Units (AU)								
D	Year of	Major Requirement		Interdis	ciplinary	Broadening and				
Programme	Study	Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core (FC)	Deepening Electives (BDE)	Total			
	1	17		9		7	33			
Chemistry and	2	21		8	3	3	35			
Biological	3	18	3		2	19	42			
Chemistry	4		19		10	3	32			
	Total	56	22	17	15	32	142			

Category	-	ogical Chemistry with 2nd Major in Data Analytics (Ch	AU	Total AU	
7	Common	Core (University-level)			
		quiry and Communication in the Interdisciplinary World	2		
		avigating the Digital World	2		
		hics & Civics in a Multi-Cultural World	2		
		ealthy Living & Wellbeing	3		
	CC0006 Su	stainability: Society, Economy & Environment	3	17	
nterdisciplinary	,	ience & Technology for Humanity	3		
Collaborative		areer and Entrepreneurial Development for the Future			
Core (ICC)	World		2		
	Foundatio	nal Core (College-level)			
	HW0218 C	Communication Across the Sciences	2		
	PS0002 Int	roduction to Data Science and Artificial Intelligence	3	15	
	CM4081 P	rofessional Internship	10		
	CHEM Cor				
	CM1001	Foundations of Chemistry I	4		
	CM1002	Foundations of Chemistry II	4		
	MH1082	Calculus for the Sciences	4		
	MH1804^	Mathematics for Chemistry	2		
	PH1801	Foundations of Physics I	3		
	CM2011	Analytical and Bioanalytical Chemistry	3		
	CM2021	Inorganic and Bioinorganic Chemistry	3		
	CM2061	Chemistry & Biological Chemistry Laboratory 1	3		
	CM2031	Organic and Bioorganic Chemistry	3	56	
Major	CM2041	Physical and Biophysical Chemistry 1	3		
Requirement	CM2062	Chemistry & Biological Chemistry Laboratory 2	3		
Requirement	PS0001^	Introduction to Computational Thinking	3		
	CM3011 ^{&}	Chemical Spectroscopy and Applications	3		
	CM3041 ^{&}	Physical and Biophysical Chemistry 2	3		
	CM3062	Chemistry & Biological Chemistry Laboratory 4	3		
	CM3031 ^{&}		3		
	CM3021 ^{&}	Organometallic Chemistry	3		
	CM3061	Chemistry & Biological Chemistry Laboratory 3	3		
	CHEM Ma	 jor Prescribed Electives (MPE)		<u> </u>	
	CM4080	Honours Project 1	10	22	
	4 x MPEs		12	22	

			142 - 147
	p, =	,	
DE		7	7
	· · ·		
	1		
	MH4302 Theory of Computing (4AU)		
	MH4513 Survival Analysis (4AU)		
	MH4500 Time Series Analysis (4AU)		
• •	MH3701 Basic Optimization (4AU)		
(BDEs)	MH3511 Data Analysis with Computer (3AU)	9 - 12	9 - 12
-			
2nd Major in	_ · · · · ·		
	_ · · · · · · · · · · · · · · · · · · ·		
	BC2407 Analytics II: Advanced Predictive Techniques (4AU)		
	Data Analytics Flortives (Read any 2)		
	Analytics BDEs) 4) Algorithms: MH1403 Algorithms & Computing 5) Database: BC2402 Designing & Developing Databases (4AU) / EE4791 Database Systems (3AU) / SC2207 Introduction to Database (3AU) 6) Data Mining: EE4483 Artificial Intelligence & Data Mining 7) Data Visualisation/Management: BC2406 Analytics I: Visual and Predictive Techniques (4AU) / SC4024 Data Visualization (3AU) Data Analytics Electives (Read any 3)	5 1	
(BDEs) 2nd Major in Data Analytics	·	3 - 4	
	1	3	
	(3AU)		
	EE4791 Database Systems (3AU) / SC2207 Introduction to Database	3 - 4	
· · · · · · · · · · · · · · · · · · ·	1	-	16 - 18
Data Analytics	1	3	
2nd Major in	1 ' - ' - ' - ' - ' - ' - ' - ' - ' - '	NA	
		NA	
		4	

[^]Counted towards 2nd major in Data Analytic Compulsory Course

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

^{*}Can be counted towards CHEM MPE

	nistry and Biological Chemistry) with 2n	d major	in Data Ana	lytics (CHDA)			
	Study Plan for AY2022-2023 intake						
with Profes	sional Internship and FYP						
Year 1 Sem	ester 1			Year 1 Sem	nester 2		
Course	-	Туре	AU	Course		Туре	AU
CM1001	Foundations of Chemistry I	C	4	CM1002	Foundations of Chemistry II	C	4
MH1802	Calculus for the Sciences	С	4	MH1804^	Mathematics for Chemistry	С	2
CC0001	Inquiry and Communication in the Interdisciplinary World	CC	2	PH1801	Foundations of Physics I	С	3
CC0002	Navigating the Digital World	CC	2	CC0003	Ethics & Civics in a Multi-Cultural World	CC	2
CC0005	Healthy Living & Well-being	CC	3		BDE 1 BDE 2	BDE BDE	3 4
HW0001	Introduction to Academic Communicat	ion*			BUL 2	BDL	4
			15	-			18
*for studen	ts who have not cleared QET		13				10
Year 2 Sem	ester 1			Year 2 Sem	nester 2		
Course		Туре	AU	Course		Туре	ΑU
	Analytical and Bioanalytical				Outside and Discourse is Characistan		
CM2011	Chemistry	С	3	CM2031	Organic and Bioorganic Chemistry	С	3
CM2021	Inorganic and Bioinorganic Chemistry	С	3	CM2041	Physical and Biophysical Chemistry 1	С	3
CM2061	Chemistry & Biological Chemistry Laboratory 1	С	3	CM2062	Chemistry & Biological Chemistry Laboratory 2	С	3
PS0001^	Introduction to Computational Thinking	С	3	PS0002	Introduction to Data Science and Artificial Intelligence	FC	3
CC0006	Sustainability: Society, Economy & Environment	СС	3	CC0007	Science & Technology for Humanity	СС	3
ML0004	Career and Entrepreneurial Development for the Future World	CC	2	MH1403	Algorithms & Computing	BDE	3
	·						
			17				18
Year 3 Sem	ester 1			Year 3 Sem	nester 2		
Course		Туре	AU	Course		Туре	AU
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3xxx ^{&}	CHEM-Core	С	3	CM3xxx ^{&}	CHEM-Core	С	3
CM3062	Chemistry & Biological Chemistry Laboratory 4	С	3	CM3061	Chemistry & Biological Chemistry Laboratory 3	С	3
BC2402	Designing & Developing Databases	BDE	4	HW0218	Communication Across the Sciences	FC	2
BC2406	Analytics I: Visual and Predictive Techniques	BDE	4	MH3500	Statistics (CHDA Elective 1)	BDE	4
MH2500	Probability and Introduction to	BDE	4		CHDA Elective 2	BDE	3
	Statistics				CHEM MPE 1	MPE	3
			21				21
Year 4 Sem	ester 1			Year 4 Sem	nester 2		
Course		Туре	AU	Course		Туре	AU
CM4080	Honours Project 1	MPE	10	CM4081	Professional Internship	FC	10
CM4043^/	Molecular Modelling: Principles and Applications or	MPE	3				
CM4044^	Artificial Intelligence in Chemistry						
EE4483	Artificial Intelligence & Data Mining	BDE	3				
	CHEM MPE 3	MPE	3				
	CHEM MPE 4	MPE	3				
				-			
			22		Total (AU)		10
					Total (AU)		142

This study plan is meant as a guide.

[^]Counted towards 2nd major in Data Analytic requirements

[©] CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters