



# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2022-2023 Cohort onwards)

Concentration:Anayltics for Business

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	Course type
	-1		Algorithms and Problem Solving		Gen Ed Course (Cluster 1: Area 4: Critical Thinking)	1	CSBP123	Introduction to Programming		Statistics Core
7	1		Business Statistics I		Research Learning Line		BANA200	Managing with Analytics		Business Core
œ.			Calculus I		Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)		Math110	Calculus II		Statistics Core
Š.	(Fall)	HSS105	Emirates Studies		Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(Spring)	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	(1 411)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Spring)	STAT 202	Business Statistics II	3	Research Learning Line
				15						
	2		Personal Development: Leadership and Team Competencies		Learning in Action		GEIT112	Fourth Industrial Revolution		Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
~	3	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)	4	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
듆		MATH140	Linear Algebra I	3	Statistics Core		STAT300	Introduction to Statistical Inference	3	Statistics Core
ş.	(Fall)		Principles of Probability		Statistics Core	(Spring)	STAT360	Applied Regression		Statistics Core
	(i aii)	STAT240	Data Exploration and Analysis	3	Statistics Core	(Spring)	BANA250	Business Intelligence	3	Business Analytics Core
1				15					15	
	_	BANA380	Business Analytics	3	Concentration	_	BANA310	Data Management and Organization	3	Business Analytics Core
m	5	STAT380	Statistical Machine Learning	3	Statistics Core	6	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
œ			Applied Multivariate Analysis		Statistics Core		BANA400	Business Analytics Applications		Concentration
ş.	(Fall)	STAT330	Survey Methods		Statistics Core	(Spring)	STAT470	Introduction to Statistical Computing		Statistics Core
	(i alij	GBUS250	Digital Economy	3	Business Core	(Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15						
		GBUS460	Internship	12	Learning in Action	0	STAT482	Capstone in Analytics for Business	3	Concentration
4	/	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action	8	Elective	Student choice		Major Elective
œ							Elective	Student choice	3	Major Elective
ž	(Fall)		· ·		· · · · · · · · · · · · · · · · · · ·		Elective	Student choice		Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
1	(i aii)					(Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
1				15					15	

## Bachelor of Science in Statistics and Data Analytics Model Study Plan (2022-2023 Cohort onwards)

**Concentration: Analytics for Business** 

#### For Students Admitted to the University from the Spring Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	Course type
		Math140	Linear Algebra I	3	Statistics Core	_	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
=	1	STAT102	Business Statistics I	3	Research Learning Line	2	STAT 202	Business Statistics II	3	Research Learning Line
<u>-</u>		Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)	_	Math110	Calculus II	3	Statistics Core
.e. /c	nringl	BANAZ00	Managing with Analytics	3	Business Core	(Fall)	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
, (2	pring)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(raii)	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
				15					15	
	2	CSBP123	Introduction to Programming	4	Statistics Core		ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
$\sim$	3	GBUS201	Personal Development: Leadership and Team Competencies	3	Learning in Action	4	STAT230	Principles of Probability	3	Statistics Core
ro.		BANA250	Business Intelligence		Business Analytics Core		STAT240	Data Exploration and Analysis		Statistics Core
8 / (	nringl	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)	(Fall)	GBUS250	Digital Economy	3	Business Core
. (~	pring)	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(i aii)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
1				16						
	_	GBT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)	_	BANA380	Business Analytics	3	Concentration
m,	5	STAT300	Introduction to Statistical Inference		Statistics Core	6	STAT380	Statistical Machine Learning		Statistics Core
œ.		STAT360	Applied Regression		Statistics Core		STAT400	Applied Multivariate Analysis		Statistics Core
<i>ا</i> ا	nring	STAT470	Introduction to Statistical Computing		Statistics Core	(Fall)	STAT330	Survey Methods		Statistics Core
(~	pring)	BANA310	Data Management and Organization		Business Analytics Core	(i ali)	Elective	Student choice		Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15					15	
	_	BANA400	Business Analytics Applications	3	Concentration	•	GBUS460	Internship	12	Learning in Action
4	/	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)	8	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
æ		Elective	Student choice	3	Major Elective	_				
S / €	nringl	Elective	Student choice		Major Elective	(Fall)				
(3	hiiig)	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action	(i ali)				
				15					15	

# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2022-2023 Cohort onwards)

Concentration: Statistics

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	Course type
	4	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)	_	CSBP123	Introduction to Programming	4	Statistics Core
7	1		Business Statistics I		Research Learning Line		STAT 202	Business Statistics II		Research Learning Line
œ.		Math105	Calculus I		Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)		MATH110	Calculus II		Statistics Core
×	(Fall)	HSS105	Emirates Studies .		Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(Spring)	GESU121	Sustainability		Gen Ed Course (Cluster 3: Area 2: Sustainability)
	(i aii)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Spring)	BANA200	Managing with Analytics	3	Business Core
				15						
	1		Personal Development: Leadership and Team Competencies				GEIT112	Fourth Industrial Revolution		Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
$\sim$	3	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)	4	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
æ		MATH140	Linear Algebra I	3	Statistics Core		STAT300	Introduction to Statistical Inference	3	Statistics Core
ş	(Fall)		Principles of Probability		Statistics Core	(Spring)	STAT360	Applied Regression		Statistics Core
	(i aii)	STAT240	Data Exploration and Analysis	3	Statistics Core	(Shiiilg)	BANA250	Business Intelligence	3	Business Analytics Core
				15					15	
	_	STAT460	Bayesian Statistics	3	Concentration	_	STAT430	Categorical Data Analysis	3	Concentration
'n	5	STAT380	Statistical Machine Learning	3	Statistics Core	6	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
æ			Applied Multivariate Analysis		Statistics Core		BANA310	Data Management and Organization		Business Analytics Core
ş	(Fall)	STAT330	Survey Methods		Statistics Core	(Spring)	STAT470	Introduction to Statistical Computing		Statistics Core
	(i aii)	GBUS250	Digital Economy		Business Core	(Spring)	GBUS300	Research Methods in Business and Economics		Research Learning Line
				15						
		GBUS460	Internship	12	Learning in Action	0	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
4	/	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action	8	Elective	Student choice		Major Elective
퓮						_	Elective	Student choice	3	Major Elective
×	(Fall)					(Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	(i aii)					(Shiiilg)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15					15	

### Bachelor of Science in Statistics and Data Analytics Model Study Plan (2022-2023 Cohort onwards)

**Concentration: Statistics** 

#### For Students Admitted to the University from the Spring Semester Total Degree Credit hours: 121

8 (Fall)

1 | Monit 40 | MEET | Mark Section Colors | MEET | Meet Scalabor Colors | Meet Scalabor Colors

(Spring)





# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2024 -2025 Cohort onwards)

**Concentration: Analytics for Business** 

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type	Semester	Course Code	Course Title	СН	Course type
	4	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)	2	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
4	1	STAT102	Business Statistics I		Research Learning Line	2	BANA200	Managing with Analytics		Business Core
₩.		CSBP121	Programming lab 1	1	Statistics Core		Math110	Calculus II	3	Statistics Core
ş	(Fall)	GEEM105	Emirates Studies		Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(Spring)	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	(i aii)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Spring)	STAT 202	Business Statistics II	3	Research Learning Line
1				13						
		MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action		GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
~	2	GBS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)	Λ	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
ē	3	MATH140	Linear Algebra I	3	Statistics Core	-	STAT300	Introduction to Statistical Inference	3	Statistics Core
e,	/= II)	STAT230	Principles of Probability	3	Statistics Core	/c · \	STAT360	Applied Regression	3	Statistics Core
1	(Fall)	STAT240	Data Exploration and Analysis	3	Statistics Core	(Spring)	BANA220	Foundation of Business Information Management	3	Business Core
	,	BANA250	Business Intelligence	3	Business Analytics Core	(-1- 0)				
1				18					15	
	-	BANA380	Business Analytics	3	Concentration	•	BANA310	Data Management and Organization	3	Business Analytics Core
ç	5	STAT380	Statistical Machine Learning	3	Statistics Core	6	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
ē		STAT400	Applied Multivariate Analysis	3	Statistics Core	-	BANA400	Business Analytics Applications	3	Concentration
ş	(Fall)	STAT330	Survey Methods	3	Statistics Core	(Spring)	STAT470	Introduction to Statistical Computing	3	Statistics Core
	(i aii)	STAT430	Categorical Data Analysis	3	Statistics Core	(Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
1				15						
		GBUS460	Internship	12	Learning in Action	•	STAT482	Capstone in Analytics for Business	3	Concentration
4	/	MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action	8	Elective	Student choice	3	Major Elective
ro.						_	Elective	Student choice	3	Major Elective
ě	(Fall)					(Spring)	Elective	Student choice		Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	(i ali)				· · · · · · · · · · · · · · · · · · ·	(Shiiilg)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15						

# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2024-2025 Cohort onwards)

**Concentration: Analytics for Business** 

#### For Students Admitted to the University from the Spring Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	Course type
		Math140	Linear Algebra I	3	Statistics Core		CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
7	1	STAT102	Business Statistics I	3	Research Learning Line	2	STAT 202	Business Statistics II	3	Research Learning Line
æ	-	MATH105	Calculus I		Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)	_	Math110	Calculus II		Statistics Core
° (c.	\		Managing with Analytics		Business Core	/E - II)	GESU121	Sustainability		Gen Ed Course (Cluster 3: Area 2: Sustainability)
(5)	pring)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Fall)	ECON105	Principles of Microeconomics		Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
` '	0,					` ,	CSBP121	Programming lab 1	1	Statistics Core
				15					16	
	1	STAT430	Categorical Data Analysis		Statistics Core		GEIS101	Biography of the Prophet "Sira"		Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
~	3	MGMT201	Fundamentals of Management and Organizational Behavior		Learning in Action	4	STAT230	Principles of Probability		Statistics Core
œ		BANA250	Business Intelligence		Business Analytics Core		STAT240	Data Exploration and Analysis		Statistics Core
	pring)	Elective	Student choice		Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)	(Fall)	BANA220	Foundation of Business Information Management		Business Core
(2)	pring,	GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(i aii)	GBUS300	Research Methods in Business and Economics		Research Learning Line
				15					15	
		GEIT112	Fourth Industrial Revolution		Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)	_	BANA380	Business Analytics		Concentration
**		STAT300	Introduction to Statistical Inference		Statistics Core	6	STAT380	Statistical Machine Learning		Statistics Core
· ·		STAT360	Applied Regression		Statistics Core		STAT400	Applied Multivariate Analysis		Statistics Core
		STAT470	Introduction to Statistical Computing		Statistics Core	(Fall)	STAT330	Survey Methods		Statistics Core
(2)	Pillig/	BANA310	Data Management and Organization	3	Business Analytics Core	(i aii)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15					15	
	7	BANA400	Business Analytics Applications		Concentration	0	GBUS460	Internship	12	Learning in Action
4	/	GEIE222	Fundamentals of Innovation and Entrepreneurship		Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)	8	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
œ.		Elective	Student choice		Major Elective					
(S₁	nring)	Elective	Student choice		Major Elective	(Fall)			_	
(2)	P11116/	MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action	(i ali)			_	

# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2024-2025 Cohort onwards)

**Concentration: Statistics** 

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	
	- 4	CSBP119	Algorithms and Problem Solving		Gen Ed Course (Cluster 1: Area 4: Critical Thinking)	-	MATH105	Calculus I		Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
7	1	STAT102	Business Statistics I	3	Research Learning Line	2	STAT 202	Business Statistics II	3	Research Learning Line
æ		CSBP121	Programming lab 1	3	Statistics Core		MATH110	Calculus II	3	Statistics Core
ş	(Fall)	GEEM105	Emirates Studies		Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(Spring)	GESU121	Sustainability		Gen Ed Course (Cluster 3: Area 2: Sustainability)
	(i aii)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Shiiilg)	BANA200	Managing with Analytics	3	Business Core
100				15					15	
		MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action		GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
~	2	GBS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)	Λ	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
æ	,	MATH140	Linear Algebra I		Statistics Core	_	STAT300	Introduction to Statistical Inference		Statistics Core
×.	/E - II)	STAT230	Principles of Probability		Statistics Core	10	STAT360	Applied Regression		Statistics Core
	(Fall)	STAT240	Data Exploration and Analysis	3	Statistics Core	(Spring)	BANA250	Business Intelligence		Business Analytics Core
	,					(-1-0)	STAT430	Categorical Data Analysis	3	Statistics Core
100				15					18	
	_		Bayesian Statistics		Concentration	_		Applied Time Series		Concentration
Ų,	5	STAT380	Statistical Machine Learning	3	Statistics Core	6	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
æ		STAT400	Applied Multivariate Analysis	3	Statistics Core	-	BANA310	Data Management and Organization	3	Business Analytics Core
ş.	(Fall)	STAT330	Survey Methods		Statistics Core	(Spring)	STAT470	Introduction to Statistical Computing		Statistics Core
	(i aii)	BANA220	Foundation of Business Information Management	3	Business Core	(Shiiilg)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15					15	
	-	GBUS460	Internship	3	Learning in Action	0	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
4	/	MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action	8	Elective	Student choice	3	Major Elective
æ				3			Elective	Student choice		Major Elective
×.	(Fall)			3		(Spring)	Elective	Student choice		Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	(i aii)			3		(Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15					15	

# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2024-2025 Cohort onwards)

# Concentration: Statistics For Students Admitted to the University from the Spring Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	СН	
		Math140	Linear Algebra I		Statistics Core		CSBP119	Algorithms and Problem Solving		Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
2	1		Business Statistics I		Research Learning Line	2	STAT 202	Business Statistics II		Research Learning Line
œ	-		Calculus I		Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)	_	MATH110	Calculus II		Statistics Core
× 10	\		Managing with Analytics		Business Core	/ E - III	GESU121	Sustainability		Gen Ed Course (Cluster 3: Area 2: Sustainability)
(5	pring)	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)	(Fall)	ECON105	Principles of Microeconomics		Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
,	Ο,					, ,	CSBP121	Programming lab 1	3	Statistics Core
				15					18	
	1	STAT430	Categorical Data Analysis	3	Statistics Core		GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
$\sim$	3	MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action	4	STAT230	Principles of Probability	3	Statistics Core
<u>~</u>	-	BANA250	Business Intelligence	3	Business Analytics Core		STAT240	Data Exploration and Analysis	3	Statistics Core
9° /S	nring\	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)	(Fall)	GBUS250	Digital Economy	3	Business Core
(3	pring)	GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)	(i aii)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15					15	
	-	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)	•	STAT460	Bayesian Statistics	3	Concentration
ú	5	STAT300	Introduction to Statistical Inference	3	Statistics Core	6	STAT380	Statistical Machine Learning	3	Statistics Core
æ	-	STAT360	Applied Regression	3	Statistics Core	_	STAT400	Applied Multivariate Analysis	3	Statistics Core
<b>₽</b> /c	nring)	STAT470	Introduction to Statistical Computing	3	Statistics Core	(Fall)	STAT330	Survey Methods	3	Statistics Core
(3	pring)	BANA310	Data Management and Organization	3	Business Analytics Core	(raii)	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15					15	
	_	STAT480	Capstone in Statistics and Data Analytics	3	Concentration	0	GBUS460	Internship	3	Learning in Action
4	/	STAT420	Applied Time Series	3	Concentration	8	MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action
ō		GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)					
@ /c	nring)	Elective	Student choice	3	Major Elective	(Fall)				
~ (3	prilig	Elective	Student choice	3	Major Elective	(raii)				
				15					- 6	



### Bachelor of Science in Statistics and Data Analytics Model Study Plan (2025 -2026 Cohort onwards)

**Concentration: Analytics for Business** 

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

Semester	Course Code	Course Title	£		Semester	Course Code	Course Title	СН	
1	MATH105	Calculus I			2	STAT202	Business Statistics II		Research Learning Line
1	STAT102	Business Statistics I	3	Research Learning Line	2	MATH110	Calculus II	3	Specialization
	BANA200	Managing with Analytics	3	College Requirement		BANA250	Business Intelligence	3	Specialization
(Fall)	MGMT201	Fundamentals of Management and Organizational Behavior			(Spring)	BANA220			Support Course
(1 411)	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency	(Spring)	MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
			15					15	
	STAT230	Principles of Probability	3	Specialization		STAT300	Introduction to Statistical Inference	3	Specialization
2	STAT240	Data Exploration and Analysis			1	STAT360	Applied Regression		Specialization
9	CSBP119	Algorithms and Problem Solving	3	Support Course	_	BANA310	Data Management and Organization	3	Specialization
/ <del>-</del> 111	CSBP121	Programming lab 1	3	Specialization	10 · \	ECON105	Principles of Microeconomics	3	Support Course
(Fall)	MATH140	Linear Algebra I			(Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
,	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity	(-1-0)				
			18					15	
	STAT330	Survey Methods	3	Specialization		STAT400	Applied Multivariate Analysis	3	Specialization
5	STAT380	Statistical Machine Learning	3	Specialization	6	STAT470	Introduction to Statistical Computing	3	Specialization
,	BANA380	Business Analytics	3	Concentration	U	BANA400	Business Analytics Applications	3	Concentration
/E - II\	Elective	Student choice			10	Elective	Student choice		Concentration Elective
(Fall)					(Spring)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
` '	Elective	Student Choice		Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	,				
			18					15	
_			3	Specialization	0	GBUS460	Internship	3	Internship
/	STAT482	Capstone in Analytics for Business			8				
	Elective	Student choice					· ·		
(Fall)	GEBS220				(Spring)		· ·		
(1 a11 <i>)</i>	Elective	Student choice	3	Free Elective	(Shiiig)				
	1 (Fall) 3 (Fall) 5 (Fall) 7 (Fall)	1	1 (ASATH35) Caclaular I (ASATH35) Caclaular	1	1 MANTES Cardward   1 Support Course   1 Support Co	MANUSC   Carcious     3   Biogenic Core	MANTESS	1 MAN-155 Conclus 1 Suprem Course 1 Suprem Cou	MANTESS   Services   3   Support Course   3   Sup

## Bachelor of Science in Statistics and Data Analytics Model Study Plan (2025-2026 Cohort onwards)

Concentration: Anayltics for Business

# For Students Admitted to the University from the Spring Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	СН	Course type	Semester	Course Code	Course Title	CH	Course type
		MATH105	Calculus I		Suppror Course		STAT202	Business Statistics II		Research Learning Line
7	1	STAT102	Business Statistics I		Research Learning Line	2	MATH110	Calculus II		Specialization
æ	_	BANA200	Managing with Analytics	3	College Requirement	_	BANA250	Business Intelligence	3	Specialization
	· · ·	MGMT201	Fundamentals of Management and Organizational Behavior		College Requirement	/= II\	CSBP119	Algorithms and Problem Solving		Support Course
(	Spring)	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency	(Fall)	CSBP121	Programming lab 1		Specialization
ш,	- 1					( ' '	MKTG205	Introduction to Marketing in the Digital Economy	1	College Requirement
				15					16	
	2	STAT230	Principles of Probability	3	Specialization		STAT300	Introduction to Statistical Inference	3	Specialization
~	3	STAT240	Data Exploration and Analysis	3	Specialization	4	STAT360	Applied Regression	3	Specialization
ĕ		BANA220	Foundation of Business Information Management	3	Suppror Course		STAT330	Survey Methods	3	Specialization
e 1	Springl	BANA310	Data Management and Organization	3	Specialization	(Fall)	ECON105	Principles of Microeconomics	3	Support Course
1	Spring)	MATH140	Linear Algebra I	3	Suppror Course	(i aii)	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
				15					15	
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line		BANA380	Business Analytics	3	Concentration
'n	5	STAT400	Applied Multivariate Analysis	3	Specialization	6	STAT430	Categorical Data Analysis	3	Specialization
ĕ	,	STAT470	Introduction to Statistical Computing	3	Specialization	U	BANA430	Applied Optimization	3	Concentration Elective
	· · ·	GBT113			Gen. Ed. Theme 3: Innovation	/= II\	STAT380	Statistical Machine Learning		Specialization
(	Spring)	Elective			Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	(Fall)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
-	- 1	Elective	Student Choice	3	Free Elective	( ' '				
1				411					15	
	7	BANA400	Business Analytics Applications	3	Concentration	0	GBUS460	Internship	12	Internship
4	/	STAT482	Capstone in Analytics for Business	3	Specialization	8				
ē		Elective	Student choice		Concentration Elective					
S /	Spring)	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	(Fall)				
1	Shiiig)	GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability	(i aii)				
				15					12	

#### Bachelor of Science in Statistics and Data Analytics Model Study Plan (2025-2026 Cohort onwards)

**Concentration: Statistics** 

#### For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH		Semester	Course Code	Course Title	СН	
		MATH105	Calculus I	3	Support Course	•	STAT202	Business Statistics II	3	Research Learning Line
7	1	STAT102	Business Statistics I	3	Research Learning Line	2	MATH110	Calculus II	3	Specialization
Yea		BANA200	Managing with Analytics	3	College Requirement		BANA250	Business Intelligence	3	Specialization
œ.	(Fall)	MGMT201	Fundamentals of Management and Organizational Behavior		College Requirement	(Spring)	BANA220	Foundation of Business Information Management		Support Course
	(i aii)	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency	(Shiiilg)	MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
				15						
		STAT230	Principles of Probability	3	Specialization		STAT300	Introduction to Statistical Inference	3	Specialization
~	2	STAT240	Data Exploration and Analysis	3	Specialization	1	STAT360	Applied Regression	3	Specialization
æ	3	CSBP119	Algorithms and Problem Solving	3	Support Course	4	BANA310	Data Management and Organization	3	Specialization
Year	/= III	CSBP121	Programming lab 1	1	Specialization	(C · )	ECON105	Principles of Microeconomics	3	Support Course
1	(Fall)	MATH140	Linear Algebra I	3	Specialization	(Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
	,	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity	(-1-0)				
				16					15	
		STAT330	Survey Methods	3	Specialization		STAT400	Applied Multivariate Analysis	3	Specialization
m	5	STAT380	Statistical Machine Learning	3	Specialization	6	STAT470	Introduction to Statistical Computing	3	Specialization
Year	,	STAT460	Bayesian Statistics	3	Concentraion	U	STAT420	Applied Time Series	3	Concentration
ę	/= III	STAT250	Statistical Graphics	3	Concentraion Elective	(C · )	STAT410	Design of Experiments	3	Concentraion Elective
1	(Fall)	GEIT113	Introduction to Artificial Intelligence		Gen. Ed. Theme 3: Innovation	(Spring)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
	,	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	(-1-0)				
				18					15	
		STAT430	Categorical Data Analysis	3	Specialization	•	GBUS460	Internship	12	Intrenship
7	/	STAT480	Capstone in Statistics and Data Analytics	3	Concentraion	8				
ē		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10					
Year 4	(Eall)	Elective	Student choice	3	Free Elective	(Caring)				
1	(Fall)	GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability	(Spring)				

# Bachelor of Science in Statistics and Data Analytics Model Study Plan (2025-2026 Cohort onwards)

**Concentration: Statistics** 

#### For Students Admitted to the University from the Spring Semester **Total Degree Credit hours: 121**

	Semester	Course Code	Course Title	CH	Course type	Semester	Course Code	Course Title	СН	Course type
		MATH105	Calculus I	3	Support Course		STAT202	Business Statistics II	3	Research Learning Line
=	1	STAT102	Business Statistics I	3	Research Learning Line	2	MATH110	Calculus II	3	Specialization
ਰ	_	BANA200	Managing with Analytics	3	College Requirement		BANA250	Business Intelligence	3	Specialization
e ,,		MGMT201	Fundamentals of Management and Organizational Behavior	3	College Requirement	/= II)	CSBP119	Algorithms and Problem Solving	3	Support Course
( )	pring)	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency	(Fall)	CSBP121	Programming lab 1	1	Specialization
•	1 07					( - /	MKTG205	Introduction to Marketing in the Digital Economy		College Requirement
				15					16	
	1		Principles of Probability		Specialization		STAT300	Introduction to Statistical Inference		Specialization
~	3	STAT240	Data Exploration and Analysis		Specialization	4	STAT360	Applied Regression		Specialization
φ.		BANA220	Foundation of Business Information Management		Support Course		STAT330	Survey Methods		Specialization
S (9	pring)	BANA310	Data Management and Organization		Specialization	(Fall)	ECON105	Principles of Microeconomics		Support Course
(-	pring	MATH140	Linear Algebra I		Support Course	(i aii)	GEEM110	Contemporary Emirati Studies		Gen. Ed. Theme 1: UAE National Identity
				15					15	
		GBUS300	Research Methods in Business and Economics		Research Learning Line		STAT460	Bayesian Statistics		Concentration
W.	5	STAT400	Applied Multivariate Analysis		Specialization	6	Elective	Student choice		Concentration Elective
œ		STAT470	Introduction to Statistical Computing		Specialization	•	STAT430	Categorical Data Analysis		Specialization
S //	·	GEIT113	Introduction to Artificial Intelligence		Gen. Ed. Theme 3: Innovation	/E - II)	STAT380	Statistical Machine Learning		Specialization
( )	pring)	Elective	Student choice		Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	(Fall)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
		Elective	Student choice		Free Elective					
				18					15	
	7		Student choice		Concentration Elective	0	GBUS460	Internship	12	Intrenship
.7	/	STAT480	Capstone in Statistics and Data Analytics		Concentration	8				
· 0		STAT420	Applied Time Series		Concentration					
E (9	pring)	Elective	Student choice		Gen. Ed. Theme 6 or 7 or 8 or 9 or 10	(Fall)				
1.	'P'''''8/	GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability	(i dii)				
				15						