UAEU كلية الإدارة والاقتصاد College of Business and Economics

جامعة الإمارات العربية المتحدة United Arab Emirates University

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	CH	Course type
Year 1 1 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	STAT102	Business Statistics I	3	Research Learning Line
	Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			15	
Year 2 3 (Fall)	GBUS201	Personal Development: Leadership and Team Competencies	3	Learning in Action
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	MATH140	Linear Algebra I	3	Statistics Core
	STAT230	Principles of Probability	3	Statistics Core
	STAT240	Data Exploration and Analysis	3	Statistics Core
			15	
Year 3 5 (Fall)	BANA380	Business Analytics	3	Concentration
	STAT380	Statistical Machine Learning	3	Statistics Core
	STAT400	Applied Multivariate Analysis	3	Statistics Core
	STAT330	Survey Methods	3	Statistics Core
	GBUS250	Digital Economy	3	Business Core
			15	
Year 4 7 (Fall)	GBUS460	Internship	12	Learning in Action
	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action
			15	

Semester	Course Code	Course Title	CH	Course type
2 (Spring)	CSBP123	Introduction to Programming	4	Statistics Core
	BANA200	Managing with Analytics	3	Business Core
	Math110	Calculus II	3	Statistics Core
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	STAT 202	Business Statistics II	3	Research Learning Line
			16	
4 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	STAT300	Introduction to Statistical Inference	3	Statistics Core
	STAT360	Applied Regression	3	Statistics Core
	BANA250	Business Intelligence	3	Business Analytics Core
			15	
6 (Spring)	BANA310	Data Management and Organization	3	Business Analytics Core
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	BANA400	Business Analytics Applications	3	Concentration
	STAT470	Introduction to Statistical Computing	3	Statistics Core
	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
			15	
8 (Spring)	STAT482	Capstone in Analytics for Business	3	Concentration
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	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 (2022-2023 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	CH	Course type
Year 1 1 (Spring)	Math140	Linear Algebra I	3	Statistics Core
	STAT102	Business Statistics I	3	Research Learning Line
	Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	BANA200	Managing with Analytics	3	Business Core
	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			15	
Year 2 3 (Spring)	CSBP123	Introduction to Programming	4	Statistics Core
	GBUS201	Personal Development: Leadership and Team Competencies	3	Learning in Action
	BANA250	Business Intelligence	3	Business Analytics Core
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
			16	
Year 3 5 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	STAT300	Introduction to Statistical Inference	3	Statistics Core
	STAT360	Applied Regression	3	Statistics Core
	STAT470	Introduction to Statistical Computing	3	Statistics Core
	BANA310	Data Management and Organization	3	Business Analytics Core
			15	
Year 4 7 (Spring)	BANA400	Business Analytics Applications	3	Concentration
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action
			15	

Semester	Course Code	Course Title	CH	Course type
2 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	STAT 202	Business Statistics II	3	Research Learning Line
	Math110	Calculus II	3	Statistics Core
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			15	
4 (Fall)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	STAT230	Principles of Probability	3	Statistics Core
	STAT240	Data Exploration and Analysis	3	Statistics Core
	GBUS250	Digital Economy	3	Business Core
	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
			15	
6 (Fall)	BANA380	Business Analytics	3	Concentration
	STAT380	Statistical Machine Learning	3	Statistics Core
	STAT400	Applied Multivariate Analysis	3	Statistics Core
	STAT330	Survey Methods	3	Statistics Core
	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
			15	
8 (Fall)	GBUS460	Internship	12	Learning in Action
	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
			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	CH	Course type
Year 1 1 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	STAT102	Business Statistics I	3	Research Learning Line
	Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			15	
Year 2 3 (Fall)	GBUS201	Personal Development: Leadership and Team Competencies	3	Learning in Action
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	MATH140	Linear Algebra I	3	Statistics Core
	STAT230	Principles of Probability	3	Statistics Core
	STAT240	Data Exploration and Analysis	3	Statistics Core
			15	
Year 3 5 (Fall)	STAT460	Bayesian Statistics	3	Concentration
	STAT380	Statistical Machine Learning	3	Statistics Core
	STAT400	Applied Multivariate Analysis	3	Statistics Core
	STAT330	Survey Methods	3	Statistics Core
	GBUS250	Digital Economy	3	Business Core
			15	
Year 4 7 (Fall)	GBUS460	Internship	12	Learning in Action
	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action
			15	

Semester	Course Code	Course Title	CH	Course type
2 (Spring)	CSBP123	Introduction to Programming	4	Statistics Core
	STAT 202	Business Statistics II	3	Research Learning Line
	MATH110	Calculus II	3	Statistics Core
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	BANA200	Managing with Analytics	3	Business Core
			16	
4 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	STAT300	Introduction to Statistical Inference	3	Statistics Core
	STAT360	Applied Regression	3	Statistics Core
	BANA250	Business Intelligence	3	Business Analytics Core
			15	
6 (Spring)	STAT430	Categorical Data Analysis	3	Concentration
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	BANA310	Data Management and Organization	3	Business Analytics Core
	STAT470	Introduction to Statistical Computing	3	Statistics Core
	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
			15	
8 (Spring)	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	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 (2022-2023 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
Year 1 1 (Spring)	Math140	Linear Algebra I	3	Statistics Core
	STAT102	Business Statistics I	3	Research Learning Line
	Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
	BANA200	Managing with Analytics	3	Business Core
	ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
			15	
Year 2 3 (Spring)	CSBP123	Introduction to Programming	4	Statistics Core
	GBUS201	Personal Development: Leadership and Team Competencies	3	Learning in Action
	BANA250	Business Intelligence	3	Business Analytics Core
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
			16	
Year 3 5 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
	STAT300	Introduction to Statistical Inference	3	Statistics Core
	STAT360	Applied Regression	3	Statistics Core
	STAT470	Introduction to Statistical Computing	3	Statistics Core
	BANA310	Data Management and Organization	3	Business Analytics Core
			15	
Year 4 7 (Spring)	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
	STAT430	Categorical Data Analysis	3	Concentration
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
			15	

Semester	Course Code	Course Title	CH	Course type
2 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
	STAT 202	Business Statistics II	3	Research Learning Line
	MATH110	Calculus II	3	Statistics Core
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
	ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
			15	
4 (Fall)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	STAT230	Principles of Probability	3	Statistics Core
	STAT240	Data Exploration and Analysis	3	Statistics Core
	GBUS250	Digital Economy	3	Business Core
	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
			15	
6 (Fall)	STAT460	Bayesian Statistics	3	Concentration
	STAT380	Statistical Machine Learning	3	Statistics Core
	STAT400	Applied Multivariate Analysis	3	Statistics Core
	STAT330	Survey Methods	3	Statistics Core
	Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
			15	
8 (Fall)	GBUS460	Internship	12	Learning in Action
	GBUS301	Personal Development: Career Preparation and Orientation	3	Learning in Action
			15	

كلية الإدارة والاقتصاد
College of Business and Economics

جامعة الإمارات العربية المتحدة
United Arab Emirates University

Bachelor of Science in Statistics and Data Analytics Model Study Plan (2024 -2025 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	CH	Course type
Year 1	1 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
		STAT102	Business Statistics I	3	Research Learning Line
		CSBP121	Programming lab 1	1	Statistics Core
		GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
		ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
				13	
Year 2	3 (Fall)	MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action
		GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
		MATH140	Linear Algebra I	3	Statistics Core
		STAT230	Principles of Probability	3	Statistics Core
		STAT240	Data Exploration and Analysis	3	Statistics Core
		BANA250	Business Intelligence	3	Business Analytics Core
				18	
Year 3	5 (Fall)	BANA380	Business Analytics	3	Concentration
		STAT380	Statistical Machine Learning	3	Statistics Core
		STAT400	Applied Multivariate Analysis	3	Statistics Core
		STAT330	Survey Methods	3	Statistics Core
		STAT430	Categorical Data Analysis	3	Statistics Core
				15	
Year 4	7 (Fall)	GBUS460	Internship	12	Learning in Action
		MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action
				15	

	Semester	Course Code	Course Title	CH	Course type
	2 (Spring)	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
		BANA200	Managing with Analytics	3	Business Core
		Math110	Calculus II	3	Statistics Core
		GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
		STAT 202	Business Statistics II	3	Research Learning Line
				15	
	4 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
		ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
		STAT300	Introduction to Statistical Inference	3	Statistics Core
		STAT360	Applied Regression	3	Statistics Core
		BANA220	Foundation of Business Information Management	3	Business Core
				15	
	6 (Spring)	BANA310	Data Management and Organization	3	Business Analytics Core
		GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
		BANA400	Business Analytics Applications	3	Concentration
		STAT470	Introduction to Statistical Computing	3	Statistics Core
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
	8 (Spring)	STAT482	Capstone in Analytics for Business	3	Concentration
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
		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: Anayltics for Business

For Students Admitted to the University from the Spring Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type
Year 1	1 (Spring)	Math140	Linear Algebra I	3	Statistics Core
		STAT102	Business Statistics I	3	Research Learning Line
		MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
		BANA200	Managing with Analytics	3	Business Core
		ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
				15	
Year 2	3 (Spring)	STAT430	Categorical Data Analysis	3	Statistics Core
		MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action
		BANA250	Business Intelligence	3	Business Analytics Core
		Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
		GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
				15	
Year 3	5 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
		STAT300	Introduction to Statistical Inference	3	Statistics Core
		STAT360	Applied Regression	3	Statistics Core
		STAT470	Introduction to Statistical Computing	3	Statistics Core
		BANA310	Data Management and Organization	3	Business Analytics Core
				15	
Year 4	7 (Spring)	BANA400	Business Analytics Applications	3	Concentration
		GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Major Elective
		MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action
				15	

	Semester	Course Code	Course Title	CH	Course type
	2 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
		STAT 202	Business Statistics II	3	Research Learning Line
		Math110	Calculus II	3	Statistics Core
		GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
		ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
		CSBP121	Programming lab 1	1	Statistics Core
				16	
	4 (Fall)	GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
		STAT230	Principles of Probability	3	Statistics Core
		STAT240	Data Exploration and Analysis	3	Statistics Core
		BANA220	Foundation of Business Information Management	3	Business Core
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
	6 (Fall)	BANA380	Business Analytics	3	Concentration
		STAT380	Statistical Machine Learning	3	Statistics Core
		STAT400	Applied Multivariate Analysis	3	Statistics Core
		STAT330	Survey Methods	3	Statistics Core
		Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15	
	8 (Fall)	GBUS460	Internship	12	Learning in Action
		STAT480	Capstone in Statistics and Data Analytics	3	Concentration
				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 Fall Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type
Year 1	1 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
		STAT102	Business Statistics I	3	Research Learning Line
		CSBP121	Programming lab 1	1	Statistics Core
		GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
		ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
				13	
Year 2	3 (Fall)	MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action
		GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
		MATH140	Linear Algebra I	3	Statistics Core
		STAT230	Principles of Probability	3	Statistics Core
		STAT240	Data Exploration and Analysis	3	Statistics Core
				15	
Year 3	5 (Fall)	STAT460	Bayesian Statistics	3	Concentration
		STAT380	Statistical Machine Learning	3	Statistics Core
		STAT400	Applied Multivariate Analysis	3	Statistics Core
		STAT330	Survey Methods	3	Statistics Core
		BANA220	Foundation of Business Information Management	3	Business Core
				15	
Year 4	7 (Fall)	GBUS460	Internship	12	Learning in Action
		MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action
				15	

	Semester	Course Code	Course Title	CH	Course type
	2 (Spring)	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
		STAT 202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Statistics Core
		GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
		BANA200	Managing with Analytics	3	Business Core
				15	
	4 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
		ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
		STAT300	Introduction to Statistical Inference	3	Statistics Core
		STAT360	Applied Regression	3	Statistics Core
		BANA250	Business Intelligence	3	Business Analytics Core
		STAT430	Categorical Data Analysis	3	Statistics Core
				15	
	6 (Spring)	STAT420	Applied Time Series	3	Concentration
		GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
		BANA310	Data Management and Organization	3	Business Analytics Core
		STAT470	Introduction to Statistical Computing	3	Statistics Core
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
	8 (Spring)	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
		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: Statistics

For Students Admitted to the University from the Spring Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type
Year 1	1 (Spring)	Math140	Linear Algebra I	3	Statistics Core
		STAT102	Business Statistics I	3	Research Learning Line
		Math105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
		BANA200	Managing with Analytics	3	Business Core
		ESPU104	Introduction to Academic English For Business	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
				15	
Year 2	3 (Spring)	STAT430	Categorical Data Analysis	3	Statistics Core
		MGMT201	Fundamentals of Management and Organizational Behavior	3	Learning in Action
		BANA250	Business Intelligence	3	Business Analytics Core
		Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
		GEEM105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
				15	
Year 3	5 (Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
		STAT300	Introduction to Statistical Inference	3	Statistics Core
		STAT360	Applied Regression	3	Statistics Core
		STAT470	Introduction to Statistical Computing	3	Statistics Core
		BANA310	Data Management and Organization	3	Business Analytics Core
				15	
Year 4	7 (Spring)	STAT480	Capstone in Statistics and Data Analytics	3	Concentration
		STAT420	Applied Time Series	3	Concentration
		GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
		Elective	Student choice	3	Major Elective
		Elective	Student choice	3	Major Elective
				15	

	Semester	Course Code	Course Title	CH	Course type
	2 (Fall)	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
		STAT 202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Statistics Core
		GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
		ECON105	Principles of Microeconomics	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
		CSBP121	Programming lab 1	1	Statistics Core
				16	
	4 (Fall)	GEIS101	Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
		STAT230	Principles of Probability	3	Statistics Core
		STAT240	Data Exploration and Analysis	3	Statistics Core
		GBUS250	Digital Economy	3	Business Core
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
	6 (Fall)	STAT460	Bayesian Statistics	3	Concentration
		STAT380	Statistical Machine Learning	3	Statistics Core
		STAT400	Applied Multivariate Analysis	3	Statistics Core
		STAT330	Survey Methods	3	Statistics Core
		Elective	Student choice	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
				15	
	8 (Fall)	GBUS460	Internship	12	Learning in Action
		MKTG205	Introduction to Marketing in the Digital Economy	3	Learning in Action
				15	

UAEU كلية الإدارة والاقتصاد College of Business and Economics

جامعة الإمارات العربية المتحدة United Arab Emirates University

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 Fall Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type
Year 1	1 (Fall)	MATH105	Calculus I	3	Support Course
		STAT102	Business Statistics I	3	Research Learning Line
		BANA200	Managing with Analytics	3	College Requirement
		MGMT201	Fundamentals of Management and Organizational Behavior	3	College Requirement
		GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
				15	
	2 (Spring)	STAT202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Specialization
		BANA250	Business Intelligence	3	Specialization
		BANA220	Foundation of Business Information Management	3	Support Course
		MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
				15	
Year 2	3 (Fall)	STAT230	Principles of Probability	3	Specialization
		STAT240	Data Exploration and Analysis	3	Specialization
		CSBP119	Algorithms and Problem Solving	3	Support Course
		CSBP121	Programming lab 1	1	Specialization
		MATH140	Linear Algebra I	3	Specialization
		GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
				16	
	4 (Spring)	STAT300	Introduction to Statistical Inference	3	Specialization
		STAT360	Applied Regression	3	Specialization
		BANA310	Data Management and Organization	3	Specialization
		ECON105	Principles of Microeconomics	3	Support Course
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
Year 3	5 (Fall)	STAT330	Survey Methods	3	Specialization
		STAT380	Statistical Machine Learning	3	Specialization
		BANA380	Business Analytics	3	Concentration
		Elective	Student choice	3	Concentration Elective
		GBT1113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
		Elective	Student Choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
				18	
	6 (Spring)	STAT400	Applied Multivariate Analysis	3	Specialization
		STAT470	Introduction to Statistical Computing	3	Specialization
		BANA400	Business Analytics Applications	3	Concentration
		Elective	Student choice	3	Concentration Elective
		GEE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
				15	
Year 4	7 (Fall)	STAT430	Categorical Data Analysis	3	Specialization
		STAT482	Capstone in Analytics for Business	3	Concentration
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability
		Elective	Student choice	3	Free Elective
				15	
	8 (Spring)	GBUS460	Internship	12	Internship
				12	

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	CH	Course type
Year 1	1 (Spring)	MATH105	Calculus I	3	Suppror Course
		STAT102	Business Statistics I	3	Research Learning Line
		BANA200	Managing with Analytics	3	College Requirement
		MGMT201	Fundamentals of Management and Organizational Behavior	3	College Requirement
		GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
				15	
	2 (Fall)	STAT202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Specialization
		BANA250	Business Intelligence	3	Specialization
		CSBP119	Algorithms and Problem Solving	3	Support Course
		CSBP121	Programming lab 1	1	Specialization
		MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
				16	
Year 2	3 (Spring)	STAT230	Principles of Probability	3	Specialization
		STAT240	Data Exploration and Analysis	3	Specialization
		BANA220	Foundation of Business Information Management	3	Suppror Course
		BANA310	Data Management and Organization	3	Specialization
		MATH140	Linear Algebra I	3	Suppror Course
				15	
	4 (Fall)	STAT300	Introduction to Statistical Inference	3	Specialization
		STAT360	Applied Regression	3	Specialization
		STAT330	Survey Methods	3	Specialization
		ECON105	Principles of Microeconomics	3	Support Course
		GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
				15	
Year 3	5 (Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
		STAT400	Applied Multivariate Analysis	3	Specialization
		STAT470	Introduction to Statistical Computing	3	Specialization
		GBT1113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
		Elective	Student Choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		Elective	Student Choice	3	Free Elective
				18	
	6 (Fall)	BANA380	Business Analytics	3	Concentration
		STAT430	Categorical Data Analysis	3	Specialization
		BANA430	Applied Optimization	3	Concentration Elective
		STAT380	Statistical Machine Learning	3	Specialization
		GEE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
				15	
Year 4	7 (Spring)	BANA400	Business Analytics Applications	3	Concentration
		STAT482	Capstone in Analytics for Business	3	Specialization
		Elective	Student choice	3	Concentration Elective
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability
				15	
	8 (Fall)	GBUS460	Internship	12	Internship
				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	Course type
Year 1	1 (Fall)	MATH105	Calculus I	3	Support Course
		STAT102	Business Statistics I	3	Research Learning Line
		BANA200	Managing with Analytics	3	College Requirement
		MGMT201	Fundamentals of Management and Organizational Behavior	3	College Requirement
		GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
				15	
	2 (Spring)	STAT202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Specialization
		BANA250	Business Intelligence	3	Specialization
		BANA220	Foundation of Business Information Management	3	Support Course
		MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
				15	
Year 2	3 (Fall)	STAT230	Principles of Probability	3	Specialization
		STAT240	Data Exploration and Analysis	3	Specialization
		CSBP119	Algorithms and Problem Solving	3	Support Course
		CSBP121	Programming lab 1	1	Specialization
		MATH140	Linear Algebra I	3	Specialization
		GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
				16	
	4 (Spring)	STAT300	Introduction to Statistical Inference	3	Specialization
		STAT360	Applied Regression	3	Specialization
		BANA310	Data Management and Organization	3	Specialization
		ECON105	Principles of Microeconomics	3	Support Course
		GBUS300	Research Methods in Business and Economics	3	Research Learning Line
				15	
Year 3	5 (Fall)	STAT330	Survey Methods	3	Specialization
		STAT380	Statistical Machine Learning	3	Specialization
		STAT460	Bayesian Statistics	3	Concentraion
		STAT350	Statistical Graphics	3	Concentraion Elective
		GBT1113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
				18	
	6 (Spring)	STAT400	Applied Multivariate Analysis	3	Specialization
		STAT470	Introduction to Statistical Computing	3	Specialization
		STAT420	Applied Time Series	3	Concentraion
		STAT410	Design of Experiments	3	Concentraion Elective
		GEE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
				15	
Year 4	7 (Fall)	STAT430	Categorical Data Analysis	3	Specialization
		STAT480	Capstone in Statistics and Data Analytics	3	Concentraion
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		Elective	Student choice	3	Free Elective
		GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability
				15	
	8 (Spring)	GBUS460	Internship	12	Intrenship
				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 Spring Semester

Total Degree Credit hours: 121

	Semester	Course Code	Course Title	CH	Course type
Year 1	1 (Spring)	MATH105	Calculus I	3	Support Course
		STAT102	Business Statistics I	3	Research Learning Line
		BANA200	Managing with Analytics	3	College Requirement
		MGMT201	Fundamentals of Management and Organizational Behavior	3	College Requirement
		GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
				15	
	2 (Fall)	STAT202	Business Statistics II	3	Research Learning Line
		MATH110	Calculus II	3	Specialization
		BANA250	Business Intelligence	3	Specialization
		CSBP119	Algorithms and Problem Solving	3	Support Course
		CSBP121	Programming lab 1	1	Specialization
		MKTG205	Introduction to Marketing in the Digital Economy	3	College Requirement
				16	
Year 2	3 (Spring)	STAT230	Principles of Probability	3	Specialization
		STAT240	Data Exploration and Analysis	3	Specialization
		BANA220	Foundation of Business Information Management	3	Support Course
		BANA310	Data Management and Organization	3	Specialization
		MATH140	Linear Algebra I	3	Support Course
				15	
	4 (Fall)	STAT300	Introduction to Statistical Inference	3	Specialization
		STAT360	Applied Regression	3	Specialization
		STAT330	Survey Methods	3	Specialization
		ECON105	Principles of Microeconomics	3	Support Course
		GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
				15	
Year 3	5 (Spring)	GBUS300	Research Methods in Business and Economics	3	Research Learning Line
		STAT400	Applied Multivariate Analysis	3	Specialization
		STAT470	Introduction to Statistical Computing	3	Specialization
		GBT1113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		Elective	Student choice	3	Free Elective
				18	
	6 (Fall)	STAT460	Bayesian Statistics	3	Concentration
		Elective	Student choice	3	Concentration Elective
		STAT430	Categorical Data Analysis	3	Specialization
		STAT380	Statistical Machine Learning	3	Specialization
		GEE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
				15	
Year 4	7 (Spring)	Elective	Student choice	3	Concentration Elective
		STAT480	Capstone in Statistics and Data Analytics	3	Concentration
		STAT420	Applied Time Series	3	Concentration
		Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10
		GEBS220	Sustainability, Social Responsibility and Business Ethics	3	Gen. Ed. Theme 5: Sustainability
				15	
	8 (Fall)	GBUS460	Internship	12	Intrenship
				12	