American University of Beirut

Program Sheet | **Catalogue: 2025-2026**

Faculty of Arts and Sciences (FAS)

Program: Statistics (BA)**

Minimum credits for graduation: 120

ID#	**Name:**	**Advisor:**	
Tel#	**Nationality:**	**Email:**	
Basis for Admission:			
Admission Conditions:			

Course		Title		Cr	Prerequisite/s	Term	Grade
I- FRESHMAN CLASS or EQUIVALENT[a] - 30 CREDITS				**30**			
II- MAJOR REQUIREMENTS* - 39 CREDITS							
Ten required courses:							
MATH	201	Calculus and Analytic Geometry III		3	Math 102		
MATH	210	Introduction to Analysis		3	Math 201		
MATH	218 or 219	Elementary Linear Algebra with Applications or Linear Algebra I		3	MATH 219: MATH 102 or consent of the instructor		
MATH	251	Numerical Computing		3	CMPS 201 or 203 or EECE 230 or EECE 231, and MATH 201. Prerequisite or Co-requisite: MATH 218 or MATH 219		
STAT	231	Introductory Statistical Computing		3			
STAT	233	Advanced Probability and Random Variables		3	Math 201		
STAT	234	Statistical Inference I - Parametric Methods		3	STAT 233, or STAT 230 with consent of instructor		
STAT	235	Applied Regression Analysis		3	MATH 218 or MATH 219; STAT 234, or STAT 230 with the consent of the instructor		
STAT	237 or 238	Statistical Inference II – Nonparametric Methods or Applied Probability Models		3	STAT 237: STAT 234 or consent of instructor STAT 238: MATH 218 or MATH 219; and STAT 233, or STAT 230 with consent of instructor		
STAT	239	Statistical Learning		3	MATH 218 or MATH 219; and STAT 234, or STAT 230 with consent of the instructoR		
Three required elective courses:							
ELECT. 1			These NINE credits must be taken with courses from the following list: STAT: 236, 237 or STAT 238, 333, 338, 348 MATH: 211, 281, 351 CMPS: 262	3			
ELECT. 2				3			
ELECT. 3				3			
Total credits in Major				**39**			
III- REQUIRED CMPS COURSE - 3 CREDITS							
CMPS	244	Database Systems		3			
Total Credits				**3**			
IV- ELECTIVES (200 or above) - 12 CREDITS							
ELECT. 1			Among these TWELVE credits, NINE must be taken from the following list: Computer Science: CMPS 202, 261, 364, 365 Engineering: INDE 301, 302, EECE 330, 490, 641, 693 Business: BUSS 200, MNGT 222, DCSN 200, 216, 220 Mathematics: 211, 220, 223, 224, 225, 227, 241, 261, 281, 306, 351 Actuarial Science: 272, 273, 274	3			
ELECT. 2				3			
ELECT. 3				3			
ELECT. 4				3			
Total Credits				**12**			
V- GENERAL FACULTY OF ARTS AND SCIENCES REQUIREMENTS - 36 CREDITS							
UNDERSTANDING COMMUNICATION - ARAB[b,c]	***	GE ARABIC Communication Skills		3			
UNDERSTANDING COMMUNICATION - ENGL	203	Academic English	Based on RUSE, students who take ENGL 203 at the freshman level must take an additional elective at level 200 or above to complete the 120 credits required for graduation.	3			

UNDERSTANDING COMMUNICATION - ENGL	204	Advanced Academic English		3			
COMMUNITY-ENGAGED LEARNING[c]				3			
HUMAN VALUES[c,d,e,f]				3			
CULTURES AND HISTORIES[c,d,e,f]				3			
CULTURES AND HISTORIES[c,d,e]				3			
CULTURES AND HISTORIES[c,d,e]				3			
UNDERSTANDING THE WORLD[c,e]				3			
QUANTITATIVE REASONING[c,e]	CMPS 201 or 203			3			
QUANTITATIVE REASONING[c,e]			Met through MATH 201	0			
SOCIETIES AND INDIVIDUALS[c,e]				3			
SOCIETIES AND INDIVIDUALS[c,e]				3			
Total GE Credits				**36**			
TOTAL CREDITS NEEDED FOR GRADUATION				**120**			

[a] Students who hold the LEBANESE or FRENCH BACCALAUREATE (LITERATURE and HUMANITIES or SOCIOLOGY and ECONOMICS) or a government secondary certificate, or a certificate or diploma considered by the University to be equivalent to the LEBANESE BACCALAUREATE,may be required to take additional freshman level courses in mathematics and sciences pertaining to their majors in the Faculty of Arts and Sciences (namely sciences and economics).

[b] All students **MUST TAKE** an Arabic course chosen from the list of Understanding Communication - Arabic courses. Students who are eligible to undergo the CAMES Arabic placement exam must take **ONE** of the following courses as per their determined level: ARAB 203, 204, 205, 206, 207, 209 or 201.

[c] Must be chosen from the updated list of the requirements found on the registrar's website.

[d] Students who elect CHLA 205 **MAY NOT** enroll in CHLA 201 or 202 or vice versa. Students who elect CHLA 206 **MAY NOT** enroll in CHLA 203 or 204 or vice versa.

[e] At least one of the GE courses (except Understanding Communication) should be defined as a Social Inequalities course.

[f] At least one of the courses from Cultures and Histories or Human Values should be a CHLA course.

*** A major GPA of 2.3 or above is required for graduation**

An overall GPA of 2.3 or above is required for graduation

A total of 50 cr with a grade of C+ and above is also required for graduation

** To view the courses related to the above program, kindly follow this link: https://www.aub.edu.lb/Registrar/catalogue2025-26/ug/Documents/ug-fas.pdf