



**PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE DEGREE IN APPLIED MATHEMATICS  
(AUB UNDERGRADUATE CATALOGUE 2021-22)**

<b>NAME:</b>			<b>ID #:</b>	
<b>P.O. Box:</b>	<b>Tel #:</b>	<b>Email:</b> @aub.edu.lb		
<b>FRESHMAN CLASS or EQUIVALENT <sup>a</sup>:</b>			<b>CR. 30</b> <b>DIPLOMA TYPE :</b> <b>ENTRY LEVEL: FR SO JR SR</b>	
<b>COURSE</b>	<b>or</b>	<b>or</b>	<b>CR. COMMENTS</b>	
MATH 201 <sup>c</sup>			3 Also counted as a General Education course in quantitative thought	
MATH 202 <sup>c</sup>			3	
MATH 210 <sup>c</sup>			3	
MATH 212 <sup>c</sup>			3	
MATH 218 <sup>c</sup>	MATH 219 <sup>c</sup>		3	
MATH 223 <sup>c</sup>			3	
MATH 224 <sup>c</sup>	MATH 227 <sup>c</sup>		3	
MATH 251 <sup>c</sup>			3	
MATH 281 <sup>c</sup>			3	
STAT 233 <sup>c</sup>			3	
<b>REQUIRED MATH ELECTIVES: NINE credits from MATHEMATICS COURSES NUMBERED 211 and above<sup>e</sup></b>			<b>A minimum cumulative average of 2.2 (or 70) is required in all courses taken in the major department.</b>  <b>These NINE credits must include at least two of the following three areas:</b> <ul style="list-style-type: none"> <li>• Analysis and Geometry: MATH 213, 214, 215, 225, 224, 227</li> <li>• Discrete Math and Algebra: MATH 211, 220, 241, 242, 261</li> <li>• Probability and Statistics: STAT 231, 234 or higher</li> </ul>	
MATH ELECT. 1				3
MATH ELECT. 2				3
MATH ELECT. 3				3
<b>Total Credits in Major:</b>				<b>39</b>
<b>REQUIRED ELECTIVES: NINE CREDITS in ONE APPLIED DISCIPLINE or TRACK from the following LIST: 1 - COMPUTER SCIENCE: CMPS 212, 255, 256, 257, 258, 287, 2 - ECONOMICS/ECONOMETRICS: ECON 212, 214, 215, 217, 218, 239, 243, 3 - NATURAL SCIENCES: PHYS 210, 211, 212, 217, 235, 236; CHEM 201, 217, 218, 4 - ENGINEERING and HEALTH SCIENCES: EPHD 203, 203A, 227, 213 or Stat 236, 5- STATISTICS 231, 234, 235, 236, 237, 238.</b>				
ELECT. 1			3	
ELECT. 2			3	
ELECT. 3			3	
<b>Total Credits:</b>			<b>9</b>	
<b>ELECTIVES (200 or above)</b>				
ELECT. 4			3	
ELECT. 5			3	
<b>Total Credits:</b>			<b>6</b>	
<b>FACULTY of ARTS and SCIENCES GENERAL REQUIREMENTS</b>				
GE ARABIC Communication Skills <sup>b,c</sup>			3	
ENGL 203			3	
ENGL 204			3	
			Based on the RUSE, students who take ENGL 203 or ENGL 204 at the freshman level must take an additional elective(s) to complete the 120 credits required for graduation.	
SEQUENCE I: CVSP 201 or 202 or 205 or <u>any</u> 207 (A, B, C . . .)			3	
SEQUENCE II: CVSP 203 or 204 or 206 or <u>any</u> 208 (A, B, C . . .)			3	
			<b>Any one course from Sequence I is a prerequisite for Sequence II.</b>	
SOCIAL SCIENCE LIST I <sup>f</sup> : ECON 211			3	
SOCIAL SCIENCE LIST I or II <sup>c</sup>			3	
NATURAL SCIENCE <sup>c</sup>			3	
NATURAL SCIENCE <sup>c</sup>			3	
QUANTITATIVE THOUGHT: CMPS 200			3	
HUMANITIES LIST I OR II <sup>c,d</sup>			3	
HUMANITIES LIST I OR II <sup>c,d</sup>			3	
<b>Total Credits:</b>			<b>36</b>	
<b>TOTAL CREDITS NEEDED for GRADUATION</b>			<b>120</b>	

<sup>a</sup>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).

<sup>b</sup> If exempted from the Arabic Language requirement, students **MUST TAKE** any 3-credit course in Humanities or any language course including Arabic as a foreign language.

<sup>c</sup>Must be chosen from the updated list of the General Education requirements found on the registrar's website

<sup>d</sup>Students who elect CVSP 205 **MAY NOT** enroll in CVSP 201 or 202. Students who elect CVSP 206 **MAY NOT** enroll in CVSP 203 or 204 or vice versa.

<sup>e</sup>For prerequisites or corequisites, check the AUB Undergraduate Catalogue.