PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE DEGREE IN PHYSICS
(AUB UNDERGRADUATE CATALOGUE 2013-14)

<table>
<thead>
<tr>
<th>NAME:</th>
<th>ID #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box:</td>
<td>Tel #:</td>
</tr>
</tbody>
</table>

### FRESHMAN CLASS or EQUIVALENT*

<table>
<thead>
<tr>
<th>CR.</th>
<th>DIPLOMA TYPE :</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>ENTRY LEVEL:</td>
</tr>
<tr>
<td></td>
<td>FR SO JR SR</td>
</tr>
</tbody>
</table>

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>COURSE or</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 210</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 210L</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHYS 212</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 216</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 217E</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 220</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 221L</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>PHYS 222</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 226</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 235</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 236</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 257L</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**TWO ELECTIVES (MINIMUM 6 credits) from PHYS 223, 228/228L, 231, 232, 248, 249**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS</td>
<td>3</td>
<td>PHYS 228 cannot be counted without 228L.</td>
</tr>
</tbody>
</table>

**Total Credits in Major:** 39

### REQUIREMENTS from OUTSIDE the DEPARTMENT

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 201E</td>
<td>3</td>
<td>A minimum cumulative average of 70 is required.</td>
</tr>
<tr>
<td>MATH 202E</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits:** 6

### ELECTIVES (200 OR ABOVE)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECT. 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELECT. 2</td>
<td>3</td>
<td>From outside the department</td>
</tr>
<tr>
<td>ELECT. 3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELECT. 4</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits:** 12

### FACULTY of ARTS and SCIENCES GENERAL REQUIREMENTS

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARABIC 201A b,c,g</td>
<td>3</td>
<td>GE ARABIC Communication Skills b,c</td>
</tr>
<tr>
<td>ENGL 203d</td>
<td>3</td>
<td>ENGL 204</td>
</tr>
<tr>
<td>ENGL 204d</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SEQUENCE I: CVSP 201 or 202 or 205 or any 207 (A, B, C . . .)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SEQUENCE II: CVSP 203 or 204 or 206 or any 208 (A, B, C . . .)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCIAL SCIENCE LIST I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCIAL SCIENCE LIST I or II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NATURAL SCIENCE</td>
<td>3</td>
<td>One natural science course must be an approved General Education course from outside the major, while the remaining 3 credits are covered by PHYS 210.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR.</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUANTITATIVE THOUGHT; E CMPS 200 or EECE 230</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HUMANITIES LIST I or II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HUMANITIES LIST I or II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits:** 33

**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 addition freshman level courses in mathematics and sciences pertaining to their majors in the Faculty of Arts and Sciences, (namely sciences and economics).

*b 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.

**c** Must be chosen from the updated list of the General Education requirements found on the registrar’s website

**d** If exempted from ENGL 203, students **MUST TAKE** ENGL 204. Such students do not have to take any other elective course in English, but **MUST COMPLETE** the 120 credits required for graduation.

**e** For prerequisites or corequisites, check the AUB Undergraduate Catalogue.

**f** 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.

**g** Students who cannot fulfill the Arabic Communication Skills requirement will be asked to sit for an Arabic Placement Test. According to the results, they may take ARAB 201A to replace the Arabic Communication Skills requirement.

---

**A minimum cumulative average of 70 is required. PHYS 210 is also counted as a General Education natural science course.**