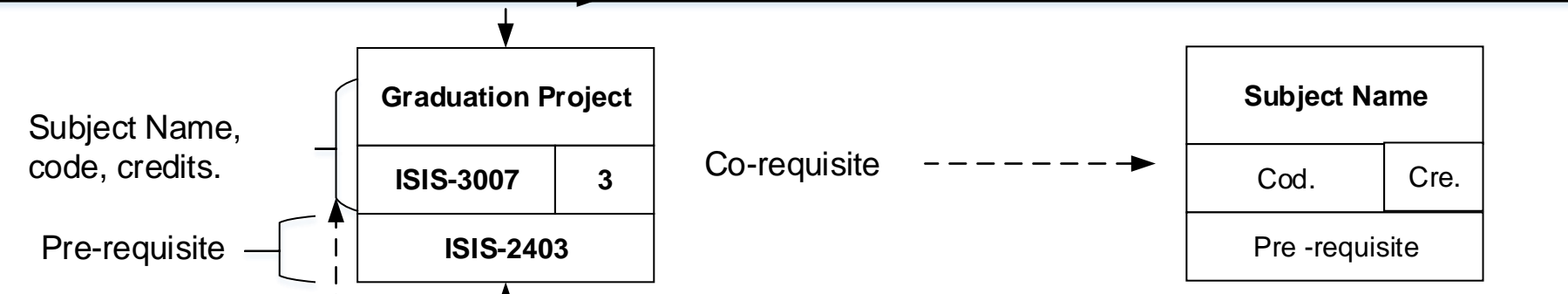


|                                                                       |  |                                                                       |  |                                                                                              |  |                                                                                                                   |  |                                                                             |  | SEM - CRED.                                                               |  |                                                                           |  |                                                                 |  |                                                                              |  |           |
|-----------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|------------------------------------------------------------------------------|--|-----------|
|                                                                       |  | Differential Calculus<br>MATE-1203   3                                |  | Algorithmics and Object Oriented Programming I<br>ISIS-1204 / ISIS-1207   3                  |  | Spanish: Writing of Academic Texts<br>LENG-1501 / LITE-1611   3                                                   |  | Constitution and Democracy<br>DERE-1300   3                                 |  | Uniandes' Basic Cycle<br>CBU   3                                          |  | Introduction to SCE<br>ISIS-1001   3<br>Co: ISIS-1002                     |  | SCE Mentoring<br>ISIS-1002   0<br>Co: ISIS-1001                 |  | I - 18                                                                       |  |           |
| Physics I<br>FISI-1018   3                                            |  | Experimental Physics I<br>FISI-1019   1                               |  | Integral Calculus and Differential Equations<br>MATE-1214   3<br>MATE-1203                   |  | Algorithmics and Object Oriented Programming II<br>Code: ISIS-1205 / ISIS-1209   3<br>Pre: ISIS-1204 or ISIS-1207 |  | Discrete Mathematics and Logic<br>ISIS-1104   3                             |  | Uniandes' Basic Cycle<br>CBU   3                                          |  |                                                                           |  |                                                                 |  | II - 16                                                                      |  |           |
| Physics II<br>FISI-1028   3<br>FISI-1018, MATE-1203                   |  | Experimental Physics II<br>FISI-1029   1<br>FISI-1019                 |  | Linear Algebra I<br>MATE-1105   3<br>MATE-1203                                               |  | Data Structures<br>ISIS-1206   3<br>Pre: ISIS-1205 or ISIS-1209                                                   |  | Algorithms Design and Analysis<br>ISIS-1105   3<br>ISIS-1104, Co: ISIS-1005 |  | Foundations of Technological Infrastructure<br>ISIS-1304   3<br>ISIS-1205 |  | Foreign Language Requirement<br>LENG-2999   0                             |  |                                                                 |  | III - 16                                                                     |  |           |
| Cell Biology/Chemistry<br>MBIO QUIM   3                               |  | Vector Calculus<br>MATE-1207   3<br>MATE-1105<br>MATE-1214            |  | IT in Organizations<br>ISIS-1404   3<br>ISIS-1204                                            |  | Languages and Machines<br>ISIS-1106   3<br>ISIS-1104                                                              |  | Team Software Development<br>ISIS-2603   3<br>ISIS-1206, Co: ISIS-2304      |  | Transactional Systems<br>ISIS-2304   3<br>ISIS-1206                       |  |                                                                           |  |                                                                 |  | IV - 18                                                                      |  |           |
| Investment Decision Analysis<br>IIND-2401   3<br>MATE-1105, ISIS-1001 |  | Probability and Statistics I<br>IIND-2106   3<br>MATE-1105, MATE-1214 |  | Enterprise Architecture<br>ISIS-2403   3<br>ISIS-1404                                        |  |                                                                                                                   |  | Computing Infrastructure<br>ISIS-2203   3<br>ISIS-1304                      |  | Software Architecture and Design<br>ISIS-2503   3<br>ISIS-2603            |  | Product Design and IT Innovation<br>ISIS-2007   3<br>ISIS-2603, ISIS-2008 |  | SCE Vision<br>ISIS-2008   0<br>ISIS-1005, Co: ISIS-2007         |  | V - 18                                                                       |  |           |
|                                                                       |  | Fundamental of Engineering Elective<br>ELEC ING   3                   |  | Modeling, Simulation and Optimization<br>ISIS-3302   3<br>ISIS-1206, ISIS-1106 and IIND-2106 |  | Enterprise Systems<br>ISIS-3425   3<br>ISIS-2403                                                                  |  | Communications Infrastructure<br>ISIS-3204   3<br>ISIS-1304, ISIS-2403      |  | Business Intelligence<br>ISIS-3301   3<br>ISIS-2304, ISIS-2403            |  | Uniandes' Basic Cycle<br>CBU   3                                          |  |                                                                 |  | VI - 18                                                                      |  |           |
|                                                                       |  |                                                                       |  | Programming with Web Technologies<br>ISIS-3710   3<br>ISIS-2503                              |  |                                                                                                                   |  |                                                                             |  |                                                                           |  |                                                                           |  |                                                                 |  |                                                                              |  |           |
|                                                                       |  | Math or Science Elective<br>ELEC QBMF   3                             |  | Mobile Applications Development<br>ISIS-3510   3<br>ISIS-2503, ISIS-3204                     |  | SCE Elective<br>ISIS-3XXX   3                                                                                     |  | SCE Elective<br>ISIS-3XXX   3                                               |  | Free Elective Course<br>CLE   3                                           |  | Uniandes' Basic Cycle<br>CBU   3                                          |  |                                                                 |  | VII - 18                                                                     |  |           |
|                                                                       |  |                                                                       |  | SCE Elective<br>ISIS-3XXX   3                                                                |  | Free Elective Course<br>CLE   3                                                                                   |  | Uniandes' Basic Cycle<br>CBU   3                                            |  | Uniandes' Basic Cycle<br>CBU   3                                          |  | Foreign Language Requirement<br>LENG-3999   0                             |  | Graduation Project<br>ISIS-3007   3<br>ISIS-2403, Co: ISIS-3990 |  | Undergraduate Degree Enrollment<br>ISIS-3990   0<br>ISIS-2008, Co: ISIS-3007 |  | VIII - 15 |

In order to take any level 3 course (ISIS – 3XXX), students must approve every level 1 mandatory course.  
 In order to take the any 6th, 7th or 8th semester course, students must approve both English lecture requisite  
 And Spanish requisite.  
 In order to take either Graduation Project or level 4 courses, students must approve all level 2 mandatory courses.

\*The students must select one course between ISIS-3425 and ISIS-3710. If a student takes and approves both courses, one course will be considered as a free election course.

|                    |                         |                   |       |            |
|--------------------|-------------------------|-------------------|-------|------------|
| Engineering Topics | Math and Basic Sciences | General Education | Other | Counseling |
|--------------------|-------------------------|-------------------|-------|------------|



Writing course 1: \_\_\_\_\_  
 Writing course 2: \_\_\_\_\_  
 Assistance to High Level \_\_\_\_\_  
 Education Quality Exam: \_\_\_\_\_  
 Publication of Graduation Document \_\_\_\_\_  
 in the Library System: \_\_\_\_\_  
 Is Candidate for graduation? \_\_\_\_\_