BOGOTÁ CAMPUS | SCHOOL OF ENGINEERING | ACUERDO 02 DE 2013



## CONVENTIONS

foundation componentDISCIPLINARY OR PROFESSIONAL EDUCATION COMPONENT

* The list of optional subjects is presented on the following page, according to the grouping which they belong.

bogotá campus | SChool of engineering | ACUERDO 02 DE 2013

| MATHEMATICS, PROBABILITY AND STATISTICS |  |  |
| :---: | :---: | :---: |
| CODE | NAME OF THE SUBJECT | CRED. |
| 1000004 | Differential Calculus | 4 |
| 1000005 | Integral Calculus | 4 |
| 1000006 | Calculus of Several Variables | 4 |
| 1000007 | Differential Equations | 4 |
| 1000013 | Fundamentals of Probability and Statistics | 3 |
| 1000003 | Linear Algebra | 4 |
| CREDITS: REQUIRED: 23 \| COMPULSORY: 23 | ELECTIVE: 0 |  |  |
| CHEMISTRY AND BIOLOGY |  |  |
| CODE | NAME OF THE SUBJECT | CRED. |
| 1000025 | Laboratory of Basic Techniques in Chemistry | 3 |
| 1000024 | Principles of Chemistry | 3 |
| 1000026 | Principles of Chemical Analysis | 3 |
| 1000027 | Laboratory of Principles of Chemical Analysis | 3 |
| 1000028 | Principles of Inorganic Chemistry | 3 |
| 1000030 | Principles of Organic Chemistry | 3 |
| 1000010 | Laboratory of Principles of Organic Chemistry | 2 |
| 1000025 | Molecular and Cellular Biology | 3 |
| CREDITS: REQUIRED: 23 \| COMPULSORY: 23 | ELECTIVE: 0 |  |  |
| PHYSICS |  |  |
| CODE | NAME OF THE SUBJECT | CRED. |
| 1000019 | Fundamentals of Mechanics | 4 |
| 1000017 | Fundamentals of Electricity and Magnetism | 4 |
| CREDITS: REQUIRED: 8 \| COMPULSORY: 8 | ELECTIVE:0 |  |  |


| ECONOMIC AND Administrative sciences |  |  |
| :---: | :---: | :---: |
| CODE | NAME OF THE SUBJECT | Cred. |
| 2015703 | Engineering Economics | 3 |
| 2015702 | Project Management and Administration | 3 |
| 2015698 | Business Administration | 3 |
| 2016609 | Industrial Safety | 3 |
| 2016741 | Financial Management | 3 |
| 2016610 | Costing Systems | 4 |
| 2015699 | Market Administration | 3 |
| 2016592 | General Economics | 3 |
| 2015695 | Project Design, Management and Evaluation | 3 |
| 2015705 | Markets I | 4 |
| 2016056 | Decision Theory | 4 |
| 2015700 | Fundamentals of Financial Accounting | 3 |
| 2015704 | International Marketing | 3 |
| 2015694 | Labour Law | 3 |
| CREDITS: REQUIRED: 9 \| COMPULSORY: 6 | ELECTIVE: 3 |  |  |
| ENGINEERING TOOLS |  |  |
| CODE | NAME OF THE SUBJECT | CRED. |
| 2015734 | Computer Programming | 3 |
| 2015709 | Oral and Written Communication | 3 |
| 2015711 | Basic Drawing | 3 |
| 2015970 | Numerical Methods | 3 |
| CREDITS: REQUIRED: 6 \| COMPULSORY: 3 | ELECTIVE: 3 |  |  |
| deepening |  |  |
| The subjects of this grouping and their information are presented in Table 19 of the of the Program Educational Project (PEP). It is suggested to take them as part of the Free Choice component. In the technical electives subjects there is the option of doing Student Practice. |  |  |
| 108 credits approved of the total credits of the curriculum |  |  |

## CONVENTIONS

FOUNDATION COMPONENTfree choice component

