**Fifth: Summary of Learning Types in the Study Plan**

| Learning Type | Online | Blended | Face-to-Face |
|---|---|---|---|
| No. of credit hours | 24 | 45 | 63 |
| Percentage | 18% | 34% | 48% |

**Guidance Plan for Undergraduate Students Specializing in Physics.**

| First Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| First Semester | | | | Second Semester | | | |
| Course No. | Course Title | Credits | Learning Type | Course No. | Course Title | Credits | Learning Type |
| - | University Req. | 3 | Online/ Blended | - | University Req. | 3 | Online/ Blended |
| - | University Req. | 3 | Online/ Blended | - | University Req. | 3 | Online/ Blended |
| 0401101 | Calculus (1) | 3 | Blended | 0401102 | Calculus (2) | 3 | Blended |
| 0402101 | General Physics (1) | 3 | Blended | 0402102 | General Physics (2) | 3 | Face-to-face |
| 0402103 | General Physics Lab (1) | 1 | Face-to-face | 0403101 | General Chemistry (1) | 3 | Blended |
| - | - | - | - | 0404101 | General Biology (1) | 3 | Blended |
| Total | | 13 | | Total | | 18 | |

| Second Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| First Semester | | | | Second Semester | | | |
| Course No. | Course Title | Credits | Learning Type | Course No. | Course Title | Credits | Learning Type |
| - | University Req. | 3 | Online/ Blended | - | University Req. | 3 | Online/ Blended |
| 0401203 | Ordinary Differential Equations | 3 | Face-to-face | 0401233 | Statistical Methods | 3 | Blended |
| 0402104 | General Physics Lab (2) | 1 | Face-to-face | 0402221 | Modern Physics | 3 | Face-to-face |
| 0402201 | General Physics (3) | 3 | Face-to-face | 0402222 | Waves and Vibrations | 3 | Face-to-face |
| 0402211 | Intermediate Physics Lab. | 1 | Face-to-face | 0402381 | Mathematical Physics (2) | 3 | Face-to-face |
| 0402221 | Optics | 3 | Face-to-face | 0901131 | Computer Science (2) for Scientific Specialties | 3 | Blended |
| 0402281 | Mathematical Physics (1) | 3 | Face-to-face | - | - | - | - |
| Total | | 17 | | Total | | 18 | |

| Third Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| First Semester | | | | Second Semester | | | |
| Course No. | Course Title | Credits | Learning Type | Course No. | Course Title | Credits | Learning Type |
| - | University Req. | 3 | Online/ Blended | - | University Req. | 3 | Online/ Blended |
| - | Dep. Elective | 3 | Blended | - | Dep. Elective | 3 | Blended |
| 0402312 | Advanced Physics Lab. | 3 | Face-to-face | - | Dep. Elective | 3 | Blended |
| 0402331 | Electronics | 3 | Face-to-face | 0402251 | Applications of Computers in Physics | 3 | Blended |
| 0402332 | Electronics Lab. | 3 | Face-to-face | 0402342 | Thermodynamics | 3 | Face-to-face |
| 0402333 | Electricity and Magnetism (1) | 3 | Face-to-face | 0402461 | Quantum Mechanics (1) | 3 | Face-to-face |
| 0402340 | Classical Mechanics (1) | 3 | Face-to-face | - | - | - | - |
| Total | | | 18 | Total | | 18 | |

| Fourth Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| First Semester | | | | Second Semester | | | |
| Course No. | Course Title | Credits | Learning Type | Course No. | Course Title | Credits | Learning Type |
| - | University Req. | 3 | Blended | - | Dep. Elective | 3 | Blended |
| - | Dep. Elective | 3 | Blended | 0402443 | Statistical Mechanics | 3 | Face-to-face |
| 0402440 | Classical Mechanics (2) | 3 | Face-to-face | 0402463 | Nuclear Physics | 3 | Face-to-face |
| 0402433 | Electricity and Magnetism (2) | 3 | Face-to-face | 0402471 | Solid State Physics | 3 | Face-to-face |
| 0402468 | Quantum Mechanics (2) | 3 | Face-to-face | 0402499 | Seminar and research project | 3 | Blended |
| Total | | 15 | | Total | | 15 | |