The Department of SPASE offers a Minor Degree if an undergraduate student satisfactorily completes the following requirements.

**CREDIT REQUIREMENTS:** A student has to do 36 credits to fulfill minor requirements which includes one compulsory and three elective courses of the SPASE department.

<table>
<thead>
<tr>
<th>Course type</th>
<th>Course List</th>
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<tbody>
<tr>
<td>Compulsory Course</td>
<td>SPA201: Introduction to Astronomy &amp; Astrophysics</td>
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</table>
| Any three Elective courses (9 credits each) offered by SPASE department. [Except SPA602 (Mathematic Methods in Space Science) and SPA604 (Numerical Methods in Space Sciences & Engineering)] | SPA401: Galaxies & Observational Cosmology  
SPA613: Observational techniques & telescopes  
SPA661: Stars & Stellar evolution  
SPA601: Introduction to space & astronomical instrumentation  
SPA603: Solar system processes and space missions  
SPA610: Radio Astronomy  
SPA612: Radio Astronomy Laboratory  
SPA620: Solar system mechanics  
SPA621: Planetary surface processes  
SPA622: Planetary Geomorphology - Processes and products  
SPA625: Space data acquisition and analysis  
SPA660: High Energy Astrophysics of Binary star systems |

**Total Credits**  
36

Remarks: All future courses from the department, except the ones entirely related to mathematical methods or numerical techniques will be available as elective courses to complete minor.