# Astronomy, Bachelor of Science

Offered by Department of Physics and Astronomy ([link](http://catalog.unk.edu/undergraduate/departments-programs/physics-astronomy))

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

## General Studies

**Foundational Core (Written, Math, Oral, Democracy)**

Foundational Core courses ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses))

Including:

- MATH 115 Calculus I with Analytic Geometry

**Portal**

Select one course numbered 188 ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course))

**Distribution**

- Aesthetics ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics)) 3
- Humanities ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities)) 6
- Social Sciences ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences)) 6
- Natural Sciences ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences)) 8

Including:

- PHYS 275 & 275L General Physics I (Calculus) and General Physics I (Calculus) Laboratory

**Analytical and Quantitative Thought** ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought))

**Wellness** ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness))

**Needed to reach 27 credit hour minimum in Distribution**

**Capstone**

Select one course numbered 388 ([link](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course))

## BS Science-related course requirements

- MATH 202 Calculus II with Analytic Geometry 5
- MATH 305 Differential Equations 3

## Major Option

- Complete all required courses 35

## Minor or 2nd Major

- Complete all required courses 24

## Unrestricted electives

- Needed to reach 120 credit hour minimum 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

## Astronomy Requirements

- PHYS 123 Freshman Physics Seminar 3
- PHYS 210 Astronomy 3
- PHYS 276 & 276L General Physics II (Calculus) and General Physics II (Calculus) Laboratory 5
- PHYS 346 Modern Physics I 4
- PHYS 350 Astrophysics I 3
- PHYS 351 Astrophysics II 3
- PHYS 360 Astronomy Methods I 3
- PHYS 361 Astronomy Methods II 3
- PHYS 410 Mathematical Techniques in Physics I 3

## Astronomy Math Requirements

- MATH 260 Calculus III 5

Total Credit Hours 35

1. Students without sufficient preparation will also need to take the following courses, increasing the total credit hours needed:
   - MATH 102
   - MATH 103

2. A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.