**Required Courses (11 – 12 credits)**

- PH1600 Introductory Astronomy (2)
- PH2200 University Physics II - Electricity & Magnetism (3) or
- PH2260 Honors Physics III (4)
- PH4610 Stellar Astrophysics (3)
- PH4620 Galactic Astrophysics (3)

**Elective Courses**

Select five additional credits* from the following:

- EE4256 Fourier Optics (3)
- EE4257 Digital Image Processing (3)
- GE4250 Fundamentals of Remote Sensing (3) or
- FW4540 Remote Sensing of the Environment (3)
- MA2720 Statistical Methods (4) or
- MA3710 Engineering Statistics (3)
- PH4640 Introduction to Atmospheric Physics (3)
- PH5610 High Energy Astrophysics (2)

*Seven for Applied Physics Majors

The following courses listed in this minor have prerequisites (shown in parenthesis) that are not included above:

- MA3710 (MA2150 or MA2160), MA2720 (MA1020 or MA1032 or MA1155), EE4256 (EE3190), EE4257 (EE3160 and EE3190), PH4640 ((PH2200 or PH2260) and (PH1360 or PH2300) and (MA3150 or MA3160) and (MA3520 or MA3521 or MA3530 or MA3560)), PH4620 (PH1600 and (PH1360 or PH2300) and (MA3520 or MA3521 or MA3530 or MA3560)), PH4610 (PH1600 and (PH1360 or PH2300) and (MA3520 or MA3521 or MA3530 or MA3560)), PH2260 (PH1160 or PH2100) and (PH1200 C or PH2261) C and (MA2150 or MA2160)), PH2200 ((PH1200 C or PH2261) C and (PH2100 or PH1160) and (MA2150 or MA2160)), GE4250 (PH2200 and (MA2150 or MA2160))

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**Credits Required = 16 - 17**

**Total Credits ______**