

MINOR IN ASTRONOMY

The Minor in Astronomy, offered jointly by the Department of Earth, Atmospheric, and Planetary Sciences (<https://catalog.mit.edu/schools/science/earth-atmospheric-planetary-sciences>) and the Department of Physics (<https://catalog.mit.edu/schools/science/physics>), covers the observational and theoretical foundations of astronomy. The minor requires seven subjects as follows:

| Astronomy, Mathematics, and Physics | | |
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| 8.03 | Physics III | 12 |
| 8.282[[| Introduction to Astronomy | 9 |
| 18.03 | Differential Equations ¹ | 12 |
| Astrophysics | | |
| 8.284 | Modern Astrophysics | 12 |
| or 8.286 | The Early Universe | |
| Planetary Astronomy | | |
| <i>Select one of the following:</i> | | 12 |
| 12.400 | Our Space Odyssey | |
| 12.420 | Essentials of Planetary Science | |
| 12.425[[| Extrasolar Planets: Physics and Detection Techniques | |
| Instrumentation and Observations | | |
| <i>Select one of the following:</i> | | 12-18 |
| 12.410[[| Observational Techniques of Optical Astronomy | |
| 12.43[[| Space Systems Engineering | |
| 12.431[[| Space Systems Development | |
| Independent Project in Astronomy | | |
| <i>Select one of the following:</i> | | 9-12 |
| 8.UR | Undergraduate Research | |
| or 12.UR | Undergraduate Research | |
| 8.THU | Undergraduate Physics Thesis | |
| or 12.THU | Undergraduate Thesis | |
| 12.411 | Astronomy Field Camp | |
| Total Units | | 78-87 |

¹ 18.032 *Differential Equations* is also an acceptable alternative.

A maximum of three subjects can count toward the astronomy minor, and a major or another minor. Further information on the minor can be obtained from Professor Michael A. McDonald (mcdonald@space.mit.edu), 37-664B, 617-324-1075.