

# ASTRONOMY (ATY)

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ATY 100 Astronomy and ATY 101 Elementary Astronomy fulfill the physical sciences requirement for the Associate in Arts, Associate in Science, and Associate in Fine Arts degrees.

ATY 100 Astronomy and ATY 101 Elementary Astronomy may also be used to fulfill the science requirement for the Associate in Liberal Studies degree.

All ATY courses numbered 100 and above may be used to fulfill the science/math requirement for the Associate of Applied Science degree.

All ATY courses numbered 100 and above may also be applied to the major field and elective requirement for the AA and AS degrees.

## **ATY 100 Astronomy (3.5) 3,1**

Introductory course related to the fundamentals of astronomy. Topics include the night sky, constellations, telescopes, planetary motion, terrestrial planets, Jovian planets, smaller bodies in the solar system, the Sun, formation of the solar system and extra-solar planetary systems, stellar evolution, supernovae, black holes, the Milky Way galaxy, galaxy classifications, dark matter, dark energy, Big Bang cosmology and the search for extraterrestrial life. Course includes outdoor telescopic observations weather permitting. (1.1) Fulfills the ECC/IAI General Education/Physical Sciences requirement. IAI Course Number P1 906 Proficiency Credit Available (2 LT) Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$498 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Reading: Grade of C or better in RDG 091 or LTC 099, or satisfaction of other placement criteria. Math: Grade of C or better in MTH 095 or satisfaction of other placement criteria.

**Semester(s) Offered:** Fall, Spring and Summer

## **ATY 101 Elementary Astronomy (3) 3,0**

Introductory course related to the fundamentals of astronomy. Topics include the night sky, constellations, telescopes, planetary motion, terrestrial planets, Jovian planets, smaller bodies in the solar system, the Sun, formation of the solar system and extra-solar planetary systems, stellar evolution, supernovae, black holes, the Milky Way galaxy, galaxy classifications, dark matter, dark energy, Big Bang cosmology and the search for extraterrestrial life. (1.1) IAI General Education: P1 906 Proficiency Credit Available (2 LT) Pass/No Credit Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Reading: Grade of C or better in RDG 091 or LTC 099, or satisfaction of other placement criteria. Math: Grade of C or better in MTH 095 or satisfaction of other placement criteria.

**Semester(s) Offered:** Fall, Spring and Summer