

# ASTRONOMY ASSOCIATE IN ARTS DEGREE

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**PROGRAM CODE:** 2A08436

The **Astronomy Associate in Arts Degree** prepares students for further study in astronomy. This degree requires 21-22 units of which 17 units are in required courses. An additional 4-5 units must be chosen from the restricted electives listed below.

Code	Title	Units
<b>Required Courses (17 units):</b>		
ESC 116 F	Astronomy	3
or ESC 116HF	Honors Astronomy	
ESC 116LF	Astronomy Lab	2
PHYS 221 F	General Physics I	4
PHYS 222 F	General Physics II	4
PHYS 223 F	General Physics III	4
<b>Select 4-5 units from the following:</b>		<b>4-5</b>
CHEM 111AF	General Chemistry I	5
CHEM 111BF	General Chemistry II	5
MATH 151 F	Calculus I (formerly MATH 150AF)	4
or MATH 151HF	Honors Calculus I (formerly MATH 150HF)	
MATH 152 F	Calculus II (formerly MATH 150BF)	4
MATH 251 F	Multivariable Calculus (formerly MATH 250AF)	4
MATH 252 F	Linear Algebra and Differential Equations (formerly MATH 250BF)	4
<b>Total Units</b>		<b>21-22</b>

**Outcome 1:** Demonstrate an understanding of how the scientific method is used to explore topics in astronomy.

**Outcome 2:** Explain the motion, formation, and evolution of celestial objects in the solar system and beyond.

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