

**Astronomy BA/Minor\***  
**2019-2020 Student Learning Outcomes**

<b>Outcome</b>	<b>Assessment Methods</b>
1 <i>Students will demonstrate basic conceptual understanding of celestial coordinates, Kepler's laws, and stellar properties.</i>	<i>Midterm exam Final exam</i>
2 <i>Students will apply their numerical and computational skills to solve astronomy problems involving, for example, gravity, Kepler's laws, astronomical measurements, and stellar evolution towards compact objects</i>	<i>Homework assignment/project Final exam</i>
3 <i>Students will perform an advanced experimental project and data analysis, including distinguishing statistical and systematic errors, propagating errors, and representing data graphically.</i>	<i>Project Oral presentation of project</i>

\*Preliminary Outcomes