

Minor in Astronautics

The Minor in Astronautics provides students with a foundational introduction to aerospace engineering, with an emphasis on astronautics and space-related systems. The program covers fundamental concepts such as orbital mechanics, spacecraft dynamics, space propulsion, and the design and operation of space systems. Students develop analytical and problem-solving skills applicable to the challenges of space exploration and satellite technologies, with opportunities to explore advanced topics in areas such as attitude control, mission design, and space environments. This minor is designed to complement a range of majors and prepares students for careers or further study in the rapidly evolving space sector and related high-technology fields.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Prescott Minor Requirements

AERO 313	Space Mechanics	3
AERO 324	Experimental Space Systems Engineering	2
AERO 324L	Experimental Space Systems Engineering Laboratory	1
AERO 414	Space Propulsion	3
AERO 426	Spacecraft Attitude Dynamics	3
ENGP 312	Space Systems Engineering	3
Choose One of the Following:		3
AERO 428	Advanced Space Mechanics	
AERO 437	Advanced Space Propulsion	
MATH 433	Review of Optimization Techniques	
WEAX 322	Space Weather	
Total Credits		18