

Certificate in Space Science

Admission

Applicants for admission to the space science graduate program for a graduate certificate in space science should have a bachelor's degree in natural science or engineering with a GPA of 3.000/4.000 or higher. The student is expected to write a one paragraph letter of why they want a graduate certificate in space science.

Program Requirements

A graduate certificate in space science can be obtained with 18 credit hours of the following classes. Students need to take 12 credit hours or more at or above the 700 level in classes. In addition to these requirements, students must meet the Graduate School's requirements (<http://catalog.wichita.edu/graduate/academic-information/types-programs-courses/certificate-residency-badge-programs/>) in order to earn this certificate.

Course	Title	Hours
Required Courses		
PHYS 845	Space Science Foundations	3
PHYS 851 or PHYS 855	Plasma Physics ¹ Radiation Physics	3
AE 715 or AE 718	Intermediate Space Dynamics ¹ Nano-Satellite Engineering	3
PHYS 795	Earth and Space Physics	3
PHIL 530	Ethics of Space Exploration	3
Elective		
Select one elective class such as		3
BIOL 660K	Astrobiology	
EEPS 721	Current Issues in Global Environmental Science	
PHYS 761	Environmental Physics	
Or as arranged with the space science graduate advisor		
Total Credit Hours		18

¹ Course not taken for requirement may be used as elective option.