

# Pre-Engineering



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Studies in the Pre-Engineering Associate of Technical Studies degree focus upon building a strong background in Mathematics, Physics and Chemistry in preparation for entry into a bachelor's degree engineering program. The Pre-Engineering curriculum meets the minimum and additional general education requirements of the Ohio Transfer Module. The Pre-Engineering degree is a cost effective solution for students who wish to expand their background knowledge before entry into a bachelor's degree engineering program. Students should consult with any school they might be considering transferring to regarding the ultimate transferability of courses completed at Rio Grande.

The Pre-Engineering associate degree is also a direct pathway into a Bachelor of Industrial Technology or Bachelor of Technical Studies at the University of Rio Grande.

Graduation requires the student to achieve a 2.00 overall grade point average.

## ATS in Pre-Engineering

### Fall 1st Year

MTH 21404 Intro to Statistics  
ENG 11103 Comp I  
CS 20104 Programming I  
LA 10001 Gateway  
HIS13103 or 13203 or 12203 3 hours

**15 hours**

### Fall 2nd Year

PHY 17505 Gen Physics I  
CHM 15005 Gen Chemistry I MTH 15105  
Calculus I

**15 hours**

**62 hours total for degree.**

### Spring 1st Year

MTH 14505 Pre-Calculus  
ENG 11203 Comp II  
PSY 11103 Gen Psychology  
COM 11103 Speech  
NSC 22304 Environmental Science

**18 hours**

### Spring 2nd Year

PHY 18505 Gen Physics II  
CHM 15505 Gen Chemistry II  
MTH 15204 Calculus II

**14 hours**



## Contacts:

Keith Saunders, Chair  
School of Engineering Technologies  
150D Davis Career Center  
saunders@rio.edu  
740.245.7315

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