

# Prerequisite Coursework for Admission to the MAT Program: PHYSICS Endorsement

## General Admission Requirements for ALL Single Subject Areas

### Letters of Recommendation

Two letters documenting two separate, successful experiences working with groups of children or adolescents. Experiences in public schools are preferred, and experiences working with students at the middle and high school ages are recommended.

### Bachelor's Degree

Program participants must have a Bachelor's degree from a regionally accredited college or university in a field appropriate to the specialty endorsement.

### Grade Point Average

Applicants should have a cumulative GPA of 3.0 in the most recent 90 quarter or 60 semester hours of undergraduate work and a 3.0 for courses completed in the selected endorsement area. Applicants who have a GPA lower than 3.0 may apply for post-baccalaureate admission.

## Requirements Specific to the Physics Endorsement

### Degree Major

Applicants to the MAT program in Physics must hold a baccalaureate degree with a major in Physics (or coursework equivalent to a major in Physics).

### Required Coursework in Physics

The ideal candidate will have satisfied the following requirements:

- PH 221 General Physics
- PH 224 General Physics Lab
- PH 222 General Physics
- PH 225 General Physics Lab
- PH 223 General Physics
- PH 226 General Physics Lab
- PH 341 Modern Physics
- PH 344 Modern Physics Lab
- PH 361 Digital Electronics
- PH 362 Analog Electronics
- PH 371 Mathematical Methods for the Physical Sciences
- PH 416 Quantum Physics **OR** PH 424 Analytical Mechanics **OR** PH 431 Electricity and Magnetism

## Testing

Admission to the MAT Single Subject Program requires a passing score on a basic skills test. Score reports from the basic skills test must be submitted at the time of application. If the test has not been passed by that time, the score report must still be submitted. The test may be re-taken and passing scores must be submitted prior to the program start date. The basic skills test is waived for those who already hold a master's or doctoral degree.

Applicants may choose from one of the following options:

1. Essential Academic Skills (EAS) Test (Reading, Writing, and Mathematics subtests). Information at [ORELA website](#)
2. Praxis Core Academic Skills for Educators (CASE) Test (Reading, Writing, and Mathematics subtests). Information at [Praxis website](#)
3. California Basic Educational Skills Test (CBEST) (Reading, Writing, and Mathematics subtests). Information at [CBEST website](#). NOTE: CBEST no longer offers the option of direct reporting to Oregon universities. Students who choose this option must deliver their official score report directly to the School of Education.

## Contacts

### General MAT Program Requirements

Anita Caster  
SOU School of Education  
1250 Siskiyou Blvd.  
Ashland, OR 97520  
541-552-6996  
[caster@sou.edu](mailto:caster@sou.edu)

### Physics Endorsement Questions

Stewart Janes  
SOU STEM Division  
1250 Siskiyou Blvd.  
Ashland, OR 97520  
541-552-6797  
[janes@sou.edu](mailto:janes@sou.edu)