

# Physics with Emphasis in Physics Teaching MA

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This emphasis is designed for physics educators who may not have an undergraduate degree in physics but that wish to earn an MA degree in physics. This degree program is usually chosen by those students preparing to teach physics at the community college level, including dual credit courses. The suggested minimum undergraduate courses include a year of calculus-based physics, modern physics, and mathematics through differential equations.

## Research (3 semester hours)

PHYS 595	Research Literature and Techniques	3
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## Required Courses (21 Semester Hours)

PHYS 526	Quantum Mechanics: Analysis and Applications	3
PHYS 530	Mathematical Methods: Analysis and Applications	3
PHYS 531	Classical Mechanics: Analysis and Applications	3
PHYS 532	Electromagnetism: Analysis and Applications	3
PHYS 535	Thermodynamics: Analysis and Applications	3
PHYS 536	Computational Physics: Analysis and Applications	3
PHYS 561	Astronomy & Astrophysics: Analysis and Applications	3

## Teaching Field courses (12 semester hours)

Plus (12 semester hours) that support the major teaching field, on approval of the graduate advisor.		12
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<b>Total Hours</b>		<b>36</b>
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**Note:** Successful completion of the Comprehensive Exam is required of all students.