

Abstract Submitted
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**Physics Teacher Education Pathways at
Arizona State University**¹ ROBERT CULBERTSON, KELLI GAMEZ WAR-
BLE, Department of Physics, Arizona State University, EUGENE JUDSON, Mary
Lou Fulton Teachers College, Arizona State University — Several undergraduate
and graduate pathways to certification in secondary education (physics) have been
designed at Arizona State University to meet teacher training needs in science with
a robust content in physics. The traditional pathway involves a Bachelor of Arts in
Education (BAE) with a concentration in physics. Alternatively, a Bachelor of Sci-
ence in Physics with a concentration in secondary education was recently developed.
Furthermore, a Certificate in Secondary Education can also be combined to one of
the physics majors (B.S. Physics, B.S. Biophysics, or B.A. Physics). On the gradu-
ate side, three masters degree programs in education lead to certification in physics
for students with substantial undergraduate physics training. A fourth masters pro-
gram presumes certification and focuses on content and professional development.
Features of these programs, pros and cons, and enrollment/graduation data will be
discussed.

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