

Physics Second Endorsement

Degree Type

Endorsement

Physics Second Endorsement

Must select a first endorsement. See chart on [Department of Education](#) page.

Required courses: 34 credits, including 18 credits in physics, 14 credits in math, and two credits in secondary methods.

Item #	Title	Credits
PHYS2110	Physics for Science and Engineering I	3
PHYS2110L	Physics for Science and Engineering I Laboratory	1
PHYS2120	Physics for Science and Engineering II	3
PHYS2120L	Physics for Science and Engineering II Laboratory	1
PHYS3130	Modern Physics	3
PHYS3130L	Modern Physics Laboratory	1
EDUC3640	Teaching Science in Secondary Schools	2

Two courses selected from:

Item #	Title	Credits
PHYS3410	Analytic Mechanics	3
PHYS4610	Electromagnetics	3
PHYS4720	Solid State Physics	3
PHYS4810	Fundamentals of Quantum Mechanics	3

[PHYS3410](#) and [PHYS4610](#) represent the areas typically taught in secondary schools.

The following math courses are required as they are pre/co-requisites to all the above physics courses:

Item #	Title	Credits
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3530	Calculus III	4
MATH3540	Differential Equations	4
Total Credits		36