

SECONDARY SCIENCE - PHYSICS, POST- BACCALAUREATE CERTIFICATE

This program leads to Colorado Teacher licensure in Secondary Science. It is for individuals who have completed a bachelor's degree from a regionally-accredited institution. It can be completed in conjunction with our M.Ed. program.

Student Learning Outcomes

1. To prepare individuals for Colorado Teacher licensure in Secondary Science.

Specific Program Requirements

Students pursuing this certificate must meet all requirements of the Teacher Education Program.

Course	Title	Credits
BIOL 100	Principles of Biology (GT-SC2)	3
BIOL 100L	Principles of Biology Lab (GT-SC1)	1
BIOL 121	Environmental Conservation (GT-SC2)	3
BIOL 121L	Environmental Conservation Lab (GT-SC1)	1
CHEM 121	General Chemistry I (GT-SC2)	4
CHEM 121L	General Chemistry Lab I (GT-SC1)	1
CHEM 122	General Chemistry II (GT-SC2)	4
CHEM 122L	General Chemistry Lab II (GT-SC1)	1
GEOL 101	Earth Science (GT-SC2)	3
GEOL 101L	Earth Science Lab (GT-SC1)	1
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
MATH 224	Calculus and Analytic Geometry II	5
PHYS 110	Astronomy (GT-SC2)	3
PHYS 140	Light, Energy, & the Atom (GT-SC2)	3
PHYS 140L	Light, Energy and the Atom Lab (GT-SC1)	1
PHYS 221	General Physics I	4
PHYS 221L	General Physics I Lab (GT-SC1)	1
PHYS 222	General Physics II	4
PHYS 222L	General Physics II Lab (GT-SC1)	1
PHYS 323	General Physics III	4
PHYS 323L	General Physics III Lab	1
PHYS 321	Thermodynamics	3
PHYS 322	Advanced Laboratory - Thermo	1
PHYS 341	Optics	3
PHYS 342	Advanced Laboratory-Optics	1
PHYS 480	Practicum in Laboratory Instruction	1
ENG 101	Rhetoric & Writing I (GT-CO1)	3
ENG 102	Rhetoric & Writing II (GT-CO2)	3
CID 103	Speaking & Listening	3
PSYC 151 or PSYC 251	Human Development (GT-SS3) Childhood and Adolescence	3
ED 202	Foundations of Education	3

ED 520	Educational Media and Technology	3
ED 560	Advanced Classroom Management	3
ED 512	Teaching Diverse Learners	3
ED 544	Teaching Secondary Science	3
RDG 535	Advanced Disciplinary Literacy	3
ED 485	Capstone Seminar in Education	1
ED 488	Student Teaching Secondary	12

Total Credits **106**