

Physics Teaching Area
University of Victoria Secondary Post Degree Professional Program

Required courses for all applicants with a Physics teaching area

| Subject Content | Course | Units | Grade |
|---|---------------|--------------|--------------|
| Mathematics | | 3.0 | |
| Biology | | 3.0 | |
| Chemistry | | 3.0 | |
| Physics | | 3.0 | |
| Astronomy, Earth Science, Earth & Ocean Science or geology | | 1.5 | |
| Optics or wave theory | | 1.5 | |
| Quantum mechanics or general relativity | | 1.5 | |
| History or philosophy of: science, medicine or technology. (Approved UVic courses include Anth 393, Biol 400, Hist 260, 251, 382A, 396, Phil 220, 331, 333, 420, 431, 434, E S 314, Engr 297.) | | 1.5 | |
| Upper level electromagnetic theory: electrostatics, electricity, electronics, circuitry, magnetism or microwaves | | 1.5 | |
| Upper level mechanics: energy conversions, time series, fluid mechanics, machine dynamics, solids, gravitational theory or general/special relativity | | 1.5 | |
| Upper level applications of physics: aerodynamics, astronomy, astrophysics, cosmology, cryogenics, energy conservation, fiber optics, fuel cells, geophysics, medical physics, nuclear physics, optics, robotics, solid state physics, tectonics, waves | | 1.5 | |
| 4.5 units of upper level physics: | | | |
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| 6 more units of upper level physics for one teaching area: | | | |
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