

Bachelor of Science - Physics Minor 2011/2012 academic year

Total credits required for minor = 18 senior-level credits (non-duplicative coursework)

Prerequisite Junior Courses (12 credits):

6 credits:

- MATH 113 or 114: Elementary Calculus I
- MATH 115: Elementary Calculus II

6 credits from the following:

- PHYS 108: University Physics I
- PHYS 109: University Physics II
- PHYS 124: Particles and Waves
- PHYS 126: Fluids, Fields, and Radiation
- PHYS 144: Newtonian Mechanics and Relativity
- PHYS 146: Fluids and Waves

Note: These courses may be used to satisfy part of the Science Degree junior core requirements. Additional prerequisites may be required for other courses in this minor. Please consult the course descriptions in the MacEwan calendar.

Senior-level Courses Satisfying Minor Requirement (18 credits)

Required Senior Courses (6 credits):

6 credits from the following :

- PHYS 208: Quantum Aspects of Modern Physics
- PHYS 224: Thermal Physics
- PHYS 244: Mechanics
- PHYS 281: Electricity and Magnetism

General Requirements (12 credits):

12 credits from the following (non-duplicative):

Note: A minimum of 6 credits must be completed at the 300 or 400 level.

- PHYS 200: Relativistic Aspects of Physics
- PHYS 208: Quantum Aspects of Physics
- PHYS 212: Revolutions in Physics
- PHYS 224: Thermal Physics
- PHYS 244: Mechanics
- PHYS 261: Physics of Energy
- PHYS 281: Electricity and Magnetism
- PHYS 301: Nuclear Physics
- PHYS 308: Condensed Matter Physics
- PHYS 320: Astrophysics of Stars
- PHYS 322: Astrophysics of Galaxies
- PHYS 390: Advanced Physics Laboratory I
- PHYS 391: Advanced Physics Laboratory II
- PHYS 472: Quantum Mechanics
- PHYS 495: Special Topics in Physics and Astrophysics I

Note: Not all courses listed are offered each year.