MacEwan UNIVERSITY

FACULTY OF ARTS AND SCIENCE

PHYSICS MINOR

2017/18 Academic Year

Overall Minor Requirements

☐ 18 senior-level, non-duplicative physics credits
☐ A minimum of 6 credits at the 300- or 400-level
☐ A maximum of 3 credits in PHSC courses may be used

Required Courses for the Physics Minor

The courses listed below are not part of the physics minor, but are prerequisites for required minor courses.

☐ PHYS 124 Physics for Life Sciences I ***and*** PHYS 126 Physics for Life Sciences II ***OR***
☐ PHYS 144 Mechanics and Waves ***and*** PHYS 146 Electromagnetism and Radiation

Minor Requirements | 18 Credits

Choose 6 credits:

☐ PHYS 200 Introduction to Relativity
☐ PHYS 208 Quantum Aspects of Physics
☐ PHYS 224 Fluid and Heat
☐ PHYS 244 Mechanics

Choose 12 credits:

☐ PHYS_____
☐ PHYS_____
☐ PHYS _____
☐ PHYS _____

Important Planning Notes

1. Courses required for the minor may be used to satisfy the breadth requirements in a Bachelor of Arts or Science degree. Please refer to the applicable degree planner for details.
2. Students are required to consult the MacEwan University academic calendar to ensure they meet prerequisites for all courses they enrol in.
3. Students who have credit in ENPH 131 cannot take PHYS 108, PHYS 124, or PHYS 144 for credit as they are equivalent courses.
4. Students who have credit in PHYS 130 cannot take PHYS 109, PHYS 126 or PHYS 146 for credit as they are equivalent courses.
5. See the reverse side of this sheet for a listing of Physics courses offered at MacEwan University. Please keep in mind that course offerings will vary from academic year to academic year.

Physics Minor (18 credits) **Total Credits: _____**

Physics Course Offerings

- ☐ PHYS 200 Introduction to Relativity
- ☐ PHYS 208 Quantum Aspects of Physics
- ☐ PHYS 212 Revolutions in Physics: The Structure of the Universe
- ☐ PHYS 224 Fluids and Heat
- ☐ PHYS 226 Optics and Sound Waves
- ☐ PHYS 244 Mechanics
- ☐ PHYS 250 Introduction to Biophysics
- ☐ PHYS 252 Physics of the Earth
- ☐ PHYS 261 Physics of Energy

- ☐ PHYS 301 Nuclear Physics
- ☐ PHYS 302 Particle Physics
- ☐ PHYS 308 And Introduction to Semiconductors and Superconductors
- ☐ PHYS 320 Origin of the Elements
- ☐ PHYS 324 Origins of Planetary Systems
- ☐ PHYS 332 Computational Physics
- ☐ PHYS 372 Quantum Mechanics
- ☐ PHYS 390 Advanced Physics Laboratory

- ☐ PHYS 495 Special Topics in Physics and Astrophysics
- ☐ PHYS 498 Independent Research

- ☐ PHSC 200 Physical Science Field Skills