MACEWAN

BACHELOR OF SCIENCE

PHYSICS MINOR

2013/14 Academic Year

REQUIRED JUNIOR LEVEL COURSES[1] — 6 CREDITS

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

GENERAL SENIOR LEVEL COURSES[2] — 18 CREDITS

A minimum of six credits must be completed at the 300- or 400-level.

PHYSICS COURSES

☐ **PHYS 200: Relative Aspects of Physics** [FALL]
☐ **PHYS 208: Quantum Aspects of Physics** [FALL]
☐ **PHYS 212: Revolutions in Physics** [WINTER]
☐ **PHYS 224: Thermal Physics** [WINTER]
☐ **PHYS 244: Mechanics** [WINTER]
☐ **PHYS 250: Introduction to Biophysics** [NOT OFFERED 2013/14]
☐ **PHYS 261: Physics of Energy** [WINTER]
☐ **PHYS 281: Electricity and Magnetism** [FALL]
☐ **PHYS 301: Nuclear Physics** [WINTER]
☐ **PHYS 308: Condensed Matter Physics** [FALL]
☐ **PHYS 320: Origins of Elements** [FALL]
☐ **PHYS 324: Origins of Planetary Systems** [WINTER]
☐ **PHYS 390: Advanced Physics Laboratory I** [FALL]
☐ **PHYS 391: Advanced Physics Laboratory II** [FALL]
☐ **PHYS 495: Special Topics in Physics and Astrophysics**[3] [NOT OFFERED 2013/14]
☐ **PHYS 498: Independent Research**[3] [FALL/WINTER]

IMPORTANT PLANNING NOTES

1. The six credits students choose to fulfill their junior level prerequisite requirements a Bachelor of Science or Bachelor of Arts degree's core requirements.
2. Arts students who choose a Physics minor must comply with Bachelor of Science minor residency requirements. Science minors must complete a minimum of nine senior level MacEwan credits, including a minimum of three credits at the 300- or 400-level.
3. Students may take both **PHYS 495** and **PHYS 498** for credit a maximum of two times, as long as the course topic is different each time they take either course.

*This planning sheet should be used only as a **guide** for course planning and it should be used in conjunction with the Bachelor of Science Degree Planner. Remember: not all courses listed are offered each year and course offerings are subject to change. In the event of a discrepancy between the information presented on this sheet and that available on myStudentSystem, the information on myStudentSystem will be considered accurate.*