



THE UNIVERSITY OF WINNIPEG

FACULTY OF SCIENCE

# COMPUTATIONAL PHYSICS

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From the transistor to the internet to the quantum computer, physicists have always played a leading role in the development of new technologies. At the University of Winnipeg, the Faculty of Science combines computer science, physics, artificial intelligence, data science, and applied

Mathematical Physics I and II provide you with all the mathematical tools you need to succeed in your upper-level physics courses. They also provide the mathematical basis for understanding many computer algorithms and numerical methods.

Physical Computing : Interacting With the Real World introduces computing systems that interact with the physical world via software and hardware development. Students are introduced to software development