



THE UNIVERSITY OF WINNIPEG

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## SAMPLE CAREERS

About half of our students continue their research activities in some of the top graduate schools in North America, such as Cornell, the University of British Columbia, McGill, Waterloo, McMaster, and the University of Toronto. Many graduates are hired by places such as: JCA Technologies, Farmers Edge, Pluto Ventures, Ubisoft, Nvidia, Blue Origin, Boeing, 3M, Price Industries, and Cubresa Inc, in roles ranging from computational fluid dynamics (CFD) analyst, to aerospace engineer, to data scientist.

## SAMPLE COURSES

**Astronomy** is a non-mathematical course that gives students a general introduction to the ideas and processes of science as well as the formation and evolution of the universe.

**Scientific Computing with Python** is a second -year course where students learn how to create Python data analysis programs with data visualization and publication quality figures.

Quantum Mechanics is a third-year course on the wave properties of matter, the Schrodinger equation, and