WHAT CAN I DO WITH A DEGREE IN MATH?

SKILLS YOU DEVELOPED WITH YOUR DEGREE?

COMMUNICATION SKILLS
The ability to communicate ideas clearly and efficiently in a variety of mediums (written, oral, visually and electronically).

PROBLEM SOLVING
Use critical thinking skills to evaluate and solve problems

Demonstrate the ability to be creative and innovative in Identifying solutions.

PERSONAL MANAGEMENT SKILLS
Able to work effectively and independently under deadlines.

Plan, design, and carry out projects from start to finish with well defined objectives and outcomes.

INFORMATION MANAGEMENT
Locate, gather, and organize information using technology and information systems.

Use research skills to access, analyze, and apply knowledge.

TEAMWORK SKILLS
Able to work effectively within a team.

Demonstrate the ability to lead or support a team while monitoring the success of project and identifying ways to improve it.

ETHICS AND VALUES
The ability to take into consideration the costs, benefits, and impact of projects on the individuals involved and society in general

WHAT CAN YOU DO WITH YOUR DEGREE?

Mathematicians, statisticians and actuaries are employed by universities, government, bank and trust companies, insurance companies, pension benefit consulting firms or science and engineering consulting firms. In the last ten years more and more mathematicians have been employed by computer software companies. (For further information, please see the UNBC Mathmatics website for a sample of 90 real-life people with mathematics degrees and the types of jobs they secured, as well as other career-related information.)

WORK IN FIRMS OR CORPORATIONS
With a Mathematics degree some of our students have obtained jobs in corporations such as: McDonald Detweiller (in Vancouver), a software company in Silicon Valley (California), Scotia Bank, a gaming company, Syreon Corporation (Vancouver), and others. There are many companies that hire mathematicians, such as Hewlett-Packard, Rockwell International Corporation and various aerospace companies.

DOCTORAL DEGREE
With a B.Sc. major in Mathematics students can pursue a Doctoral degree in Mathematics or Statistics. Example: some of our alumni went to study their PhDs in: University of Rochester (New York), University of Oregon (Eugene), University of Victoria, University of British Columbia; another studied for the M.A. in Statistics at SFU.

TEACHER
Teach in a local school or community college. (For example, UNBC has had alumni securing instructorship positions at Selkirk College, Okanagan College, as well as in local schools in Prince George.)

ACTUARY
Life Insurance companies (and re-insurance companies) hire people with mathematical and statistical skills to study and model risk and analyze related data.

CRYPTOGRAPHER
Cryptography is the art of writing or solving ciphers. The process of encrypting and decrypting is governed by mathematical algorithms. Cryptographers analyze and decipher encryption systems designed to transmit military, political, and law enforcement information.

MARKET ANALYST OR RESEARCHER
Study and predict the sales of products and services. This job involves gathering information, analyzing information, and writing reports stating predictions and conclusions. Collect, analyze, and interpret information on consumer preferences and public attitudes towards issues. Information is used to determine to whom and how to market products or services, where to open a new location or the overall feeling of the public towards political issues.

LAW SCHOOL
A few Mathematics majors pursued the study of law in a Law School (for example, one of UNBC alumni went to the Law School at Georgetown University).