What competencies do mathematical and statistics students gain?

Mathematics and Statistics
Program-specific competencies

Competencies are the skills, knowledge and attributes gained through every work, educational, volunteer and life experience. UVic students in Mathematics and Statistics develop the following program-specific competencies.

Situational problem solving
Solves situational problems related to mathematics and statistics

- Decodes a situational problem
- Shares information related to the solution
- Models a situational problem
- Validates the solution
- Applies different strategies to work out a solution

Mathematical and statistical reasoning
Reasons using mathematical and statistical concepts and processes

- Defines the elements of mathematical/statistical situations
- Justifies actions or statements by referring to mathematical/statistical concepts and processes
- Mobilizes mathematical/statistical concepts and processes appropriate to the given situation
- Applies mathematical/statistical processes appropriate to the given situation

Mathematical and statistical communication
Communicates by using mathematical and statistical language

- Is familiar with the mathematical/statistical vocabulary
- Interprets or produces mathematical/statistical language
- Makes connections between mathematical/statistical language and everyday language

UVic Co-op and Career worked with the Department of Mathematics and Statistics to develop this competency document.

Discover career resources and support at www.uvic.ca/coopandcareer
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