

PROGRAM-SPECIFIC COMPETENCIES - RESTORATION OF NATURAL SYSTEMS PROGRAM

Competencies are the skills, knowledge and attributes gained through every work, educational, volunteer and life experience.

UVic students in the [Restoration of Natural Systems](#) program develop the following program-specific competencies.

KNOWLEDGE

- + Understands how to design restoration projects that consider knowledge areas outside of the student's professional area of expertise and include consideration of human factors
- + Understands scientifically rigorous approaches to restoration projects
- + Familiar with practices of dispute resolution, conducting consultative processes and consensus building
- + Understands how to solve problems encountered in implementing restoration projects
- + Understands national and international issues with ecological restoration

SKILLS

- + Able to construct a restoration plan that includes a biophysical inventory, restoration goals, implementation plans, monitoring and adaptive management
- + Evaluates projects on an ongoing basis and makes adjustments
- + Able to read and analyze technical reports and scientific publications
- + Recognizes personal values that affect an individual's decision
- + Presents ideas clearly in oral, electronic and written formats
- + Works in partnership with other professionals and stakeholders
- + Uses current mapping and sampling technologies; familiar with the types of equipment and procedures used to sample the natural environment

VALUES

- + Values and respects the complexity inherent in cultural-ecological interactions
- + Recognizes and respects the diversity of perspectives and values inherent in environmental issues
- + Appreciates the value of interdisciplinary research, as well as research across a range of disciplines
- + Committed to collaborative research and practice, including community engagement, and respects a range of knowledge-holders and perspectives
- + Respects scholarly integrity in all aspects of research and practice
- + Appreciates the tensions and differences between research, advocacy and activism
- + Understands the limitations of environmental knowledge and skills and the inherent uncertainties in environmental research
- + Engages the world as an ecological citizen and recognizes a responsibility to others, future generations, equity and environmental justice