Forestry, Bachelor of Science

Forestry is an environmental science - it is the art and science of managing forests for the benefit of all living things, for the future, as well as the present. Regardless if your interest is in biology, working with people, physics, business or computers, you will find a place in Forestry. The focus is primarily on forest management, the protection, manipulation and use of the forest resource while ensuring that sustainability and other social and cultural needs are met. The field of forestry embraces topics as diverse as economics, ecology, engineering and conservation.

What you can be with your Forestry, Bachelor of Science Degree:

<table>
<thead>
<tr>
<th>Forest Technician #2223</th>
<th>Forest Technologist #2223</th>
<th>Forester #2122</th>
<th>Tree Care Specialist #2122</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Scientist #2122</td>
<td>Timber Scaler #2223</td>
<td>Environmental Technician #2223</td>
<td>Arborist #2225.1</td>
</tr>
<tr>
<td>Biological Technician #2221.2</td>
<td>Community and Park Planner #2153</td>
<td>Conservation Officer #2224</td>
<td>Environmental Auditor #2263</td>
</tr>
<tr>
<td>Landscape Gardener #2225.5</td>
<td>Interpretive Naturalist #2121.1</td>
<td>Technical Writer #5121.2</td>
<td>Environmental Education Specialist #4131</td>
</tr>
</tbody>
</table>

With additional education I could be a:

<table>
<thead>
<tr>
<th>Entomologist #2121.1</th>
<th>Fish and Wildlife Officer #2224</th>
<th>Microbiologist #2121.2</th>
<th>Soil Scientist #2115.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicologist #2121.2</td>
<td>Pollution Control Technologist #2211.1</td>
<td>Ecologist #2121.1</td>
<td>Research Scientist #2121.1</td>
</tr>
<tr>
<td>Economist #4162</td>
<td>Environmental Economist #4162</td>
<td>Geomatics Engineer #2131</td>
<td>Geomatics Technologist #2131</td>
</tr>
<tr>
<td>Logging/Forestry Equipment Operator #8241.1</td>
<td>Woodland Manager #2122</td>
<td>College Instructor #4131</td>
<td>Regional Planner #2153</td>
</tr>
<tr>
<td>Remediation and Reclamation Specialist #2263</td>
<td>Water Quality Specialist #2132</td>
<td>Environmental Engineer #2131</td>
<td>Waste Management Engineer #2131</td>
</tr>
<tr>
<td>Solid Waste Management Engineer #2131</td>
<td>Geotechnical Engineer #2144</td>
<td>Heavy Equipment Operator #7421</td>
<td>Land Surveyor #2153</td>
</tr>
<tr>
<td>Landscape Architectural Technologist #2225.4</td>
<td>Park Warden #2224</td>
<td>University Professor #4121</td>
<td></td>
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</tbody>
</table>

This career/job listing is only a sample of the possible career options; these are certainly not the only career/job options accessible with this degree/diploma. Some of the careers listed require further education.

For career information, enter the four digit number listed below in the Alberta Learning Information Services Website (www.alis.alberta.ca) or the National Occupational Classification Website (http://www5.hrsdc.gc.ca/NOC/).
RDC Career Services can help you explore your interests, identify your goals, discuss your career options and job search strategies and discover how to make the most of your education. Email or give us a call to connect with a career counsellor.

RDC Department Information: Forestry, Bachelor of Science [rdc.ab.ca/programs/sciences](http://rdc.ab.ca/programs/sciences)

**Potential employers:**

<table>
<thead>
<tr>
<th>Forest Products Corporation</th>
<th>University/College</th>
<th>Landowners</th>
<th>Non-governmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-profit</td>
<td>Non-timber industrial or corporate</td>
<td>Research units, firms, or institutes</td>
<td>Utility Companies</td>
</tr>
<tr>
<td>International Organizations</td>
<td>Golf Courses</td>
<td>Federal Agencies</td>
<td>Municipal</td>
</tr>
</tbody>
</table>

**Major Skills Obtained from Forestry, Bachelor of Science Degree Program**

- Able to pay close attention to details when taking measurements and updating computer databases
- Good spatial and form perception for mapping and inspecting
- Good motor co-ordination and manual dexterity for adjusting instruments and activities such as tree planting
- Good communication and interpersonal skills
- Ability to work effectively alone and in a team environment
- Having clear rules and organized methods for their work
- Problem solving
- Interest in all aspects of nature and a serious concern for the environment
- Ability to multitask.
- Ability to learn quickly, think logically and persist in a search for answers to complex questions
- Physical stamina
- Synthesizing information to develop innovative approaches to problems

**Professional Associations and Sites of Interest**

- Association forestière des Cantons de l’Est - [www.afce.qc.ca](http://www.afce.qc.ca)
- Eastern Ontario Model Forest – [www.eomf.on.ca](http://www.eomf.on.ca)
- Foothills Model Forest - [www.fmf.ab.ca](http://www.fmf.ab.ca)
- FORED BC Society - [www.landscapesmag.com](http://www.landscapesmag.com)
- Fundy Model Forest - [www.FundyModelForest.net](http://www.FundyModelForest.net)
- Inside Education (formerly FEESA) - [www.insideeducation.ca](http://www.insideeducation.ca)

- Lake Abitibi Model Forest - [www.lamf.net](http://www.lamf.net)
- LEAF – [www.leafToronto.org](http://www.leafToronto.org)
- McGregor Model Forest – [www.mcgregor.bc.ca](http://www.mcgregor.bc.ca)
- Manitoba Forestry Association – [www.mbforestryassoc.ca](http://www.mbforestryassoc.ca)
- Nova Scotia Forestry Association – [www.nsfa.ca](http://www.nsfa.ca)
- Prince Albert Model Forest – [www.pamodelforest.sk.ca](http://www.pamodelforest.sk.ca)
- Western Newfoundland Model Forest – [www.wnmf.com](http://www.wnmf.com)

Information adapted from [http://www.cfr.msstate.edu/forestry/careers.asp](http://www.cfr.msstate.edu/forestry/careers.asp)