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| **Career Life Education – Career Investigation Chart #2** | |
|  |  |
| **Name: Sarthak Nadkarni** |  |
| **Block: B** |  |

# REFER TO your completed WorkBC activities and select TWO different careers to research:

|  |  |
| --- | --- |
| A. Technical Operation in Geomatics and Meteorology | B. Land Survey Technologists and Technicians |

Refer to workbc.ca & educationplanner.ca

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Job Description of Career Choice A | | Job Description of Career Choice B | | |
| * The workers gather, analyze, and interpret for applications in natural resources. * They observe what the weather conditions are like and what it will be like in the future. * - They work for all levels of government: media, utilities, consulting firms, and more. | | * They carry out in surveys to find the exact location. * They also find relative positions and natural features like the earth’s surface, underground, and underwater. * They work for all levels of the government like architectural and engineering films and they survey establishments | | |
|  | **Career A** | | **Career B** |
| **DUTIES:** | * Cartographic Technologists and Technicians plan map content, compile required data, and survey notes, records, and reports from other maps. * Photogrammetric Technologists and Technicians examine to make related charts, topographic maps, and aerial photograph mosaics * Aerial Survey Technologists and Technicians operate airborne remote sensing equipment (laser or radar sensors) that produce images of the earth. * Geographic Information Systems (GIS) Technologists and Technicians operate computer hardware geospatial data to display | | * Land Survey Technologists help Civil Engineers for carrying out field surveys * They prepare detailed drawings, charts, reports, plans, and survey notes. * Land Survey Technicians participate in field surveys in which they operate survey equipment. * During field surveys, they help in the calculation and analysis of the measurements to keep it obtained. * Land Survey Technologists oversee field survey activities * Land Survey Technologists prepare detailed drawings, charts, plans and more other things. |
| **EARNINGS:** | Salary: $74,477 per year  Salary Range: From $20 per hour to $62.50 per hour | | Salary: $62,380 per year  Salary Range: From $17 per hour to $46 per hour |
| **EDUCATION:**  Education, training, and qualifications | * Secondary School needs to be completed. * Geomatic Technicians need two to three years of geomatics, cartography, or photogrammetry. * Meteorological Technicians need a one-year Meteorological Technician Program provided from the Meteorological Service of Canada. | | * Secondary School needs to be completed. * Two to three college programs in geomatics or Land Survey Technology is usually required (for Land Survey Technologists) * One to two college programs in geomatics and Land Survey Technology is usually required (for Land Survey Technicians) |
| **EDUCATION:**  Skills required | * Reading Comprehension * Critical Thinking * Active Listening * Writing * Speaking * Monitoring | | * Active Listening * Critical Thinking * Reading Comprehension * Speaking * Judgement and Decision Making * Complex Problem Solving |
| **EMPLOYMENT OUTLOOK:**  Give expected annual growth:  Give number of Job openings: | Annual Growth: 1.3% rate trend  Job Openings: 2019: 60 openings 2024: 40 openings 2029: 60 openings | | Annual Growth: 1.7% rate trend  Job openings: 2019, 2024, and 2029: 20 openings each year |
| **RELATED CAREERS:** | * Meteorologists and Climatologists * Civil Engineers * Geological and Mineral Technologists and Technicians | | * Land Surveyors * Drafting Technologists and Technicians * Civil Engineering Technologists and Technicians |

Go back to the main information page on the selected Careers. Find the link at the bottom of the page for EducationPlannerBC and view program options. For each Career, pick 2 BC institutions offering training and complete the chart below.

CAREER A

|  |  |  |
| --- | --- | --- |
| Name of Program | Geomatics: Bachelor of Science | Geomatics in the Workplace Advanced Certificate |
| Credential | Bachelor’s Degree | Advanced Certificate |
| Length of Program | Two Years | 6 months |
| Cost per year | Tuition: N/A Books: $750 - $800 | Tuition: $1900 Books: $1500 |

CAREER B

|  |  |  |
| --- | --- | --- |
| Name of Program | Geographic Information Science: Bachelor of Science Degree – Major or Honors | Geographic Information Systems Advanced Diploma |
| Credential | Bachelor’s Degree | Advanced Diploma |
| Length of Program | Four years | One Year |
| Cost per year | Tuition: $7,400 per year Books: $2,520 per year | Tuition: $6,600 Books: $1500 |