

WKEXP 902 WORK TERM REPORT



Engineering Co-op Program
University of Alberta

PURPOSE

To develop a profile of an industry or industrial sector of particular interest to you. The focus of the profile is twofold; to provide a basis for you to target that sector for future employment, and to give you sufficient background to conduct yourself successfully in an interview.

FORMAT

Your report must include a formal introduction, a body of analysis as described in **Assignment** below, and a conclusion.

Length: 4-5 pages, typed & double spaced. Number all pages, not including the cover page. *Cover and reference pages do not count toward the report length.*

Font: 12pt; Calibri, Arial or Times New Roman

Margins: 1"

Cover Page, clearly indicating:

- Student name
- ID number
- Work term
- Discipline
- The name of the coordinator who conducted your onsite evaluation.

Reference Page: For reference formatting guidelines, visit <http://guides.library.ualberta.ca/citing>.

ASSIGNMENT

Select a specific industry from one of the categories from the attached table. It may be effective to narrow your industry even further. For example, "Oil & Gas" is very broad, so focusing on "Oilsands" is a good strategy.

For your selected industry, provide information on at least six of the topics listed below. Be sure to specify in your paper which topics you have selected to discuss. Your reports must also include an analysis of your personal interest in this industry for a career, and an assessment of the opportunities available to you upon graduation.

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| • History of the industry | • Advancement opportunities |
| • Projected economic status of the industry | • Political factors influencing the industry |
| • Geographic locations of industry concentration | • Government involvement/control (if applicable) |
| • Opportunities for engineers/which disciplines | • Current economic status of the industry |
| • Major employers in the industry | • Recent technological advances |
| • Union involvement (if applicable) | • Current hiring trends and long term prospects |
| • Economic factors influencing the industry | • Environmental issues |

Acceptable resources include financial/trade/news publications, interviews with people in the industry, your own experience, and library material. **Wikipedia is not an acceptable resource.** At least one current media reference to the sector you have chosen to study must also be included. Make certain the information you provide is accurate and up-to-date.

DEADLINES

Your paper is due one month prior to the end of your work term:

Work Term	Due Date
Winter	March 31
Summer	July 31
Fall	November 30

SUBMISSION

Reports may be submitted by email or in person, to the Coordinator that conducts your on-site visit or to the Engineering Co-op Office.

Late assignments will not be accepted and may result in a grade of FAIL.

EVALUATION

Your coordinator will grade your paper and send the evaluation to you via email.

REMINDER: PERFORMANCE EVALUATIONS

Please remind your supervisor to complete and return your performance evaluation to us in order for you to be granted credit for the work term.

Evaluation forms are available on the co-op website at:

<https://www.ualberta.ca/engineering/study-with-us/co-op/students/evaluation-forms>

Natural Resources	Construction	Manufacturing	Transportation/ Communication/ Utilities	Services
Mining	Building, General Contracting	Forest Products Pulp/Paper	Telecommunications	Research & Development
Oil & Gas	Heavy Construction (road/bridge)	Chemical/Petrochemical/ Refinery	Electrical/Power	Computer Programming/Software
Forestry		Metal/Metal Products/ Machinery	Oil/Gas/Transmission/ Distribution	Computer Related Services/Hardware
Agriculture		Transport Equipment (Auto/Aero)	Instrumentation/Control	Management/Consulting
		Electrical/Electronic Machinery/Equipment	Water Supply/ Sewer Systems	Government Departments
		Food	Railway/Airlines	Air/Water Waste Management