

## TEJ3M - Computer Engineering Careers Assignment

### 1. Post Secondary Education

Use the Internet to research **one** of the following post secondary educational paths:

- computer engineer
- systems engineer
- computer network operations
- computer systems technician
- systems design engineer
- computer automation & control
- computer engineering technology
- electronics engineering technician
- electronics engineering technology
- telecommunications systems
- **other (discuss with teacher)**

Use one of the following school's web sites:

- University of Waterloo
- University of Guelph
- McMaster University
- University of Toronto
- University of Western Ontario
- other
- Sheridan College
- Humber College
- Centennial College
- Seneca College
- Mohawk College
- other

Gather the following facts **[10 marks]**:

- School, description of the program/discipline, number of years to graduation, tuition cost **[4 marks]**
- List of courses of the program **[1 mark]** - **all of the courses required to graduate (University would be 3-4 years in total for example)**
- Entrance requirements (high school courses and average) **[2 marks]**
- Areas of specialization and possible job types and description after graduation **[3 marks]**

## 2. The Job Market

Research one job listing and its educational requirements.

Use [www.monster.ca](http://www.monster.ca), [www.workopolis.ca](http://www.workopolis.ca) or other job sites to find a job listing for a person from your program. **[5 marks]**:

- Job responsibilities, Salary **[2 marks]**
- Technical and soft skills required (e.g. leadership, teamwork, problem solving, etc.) **[3 marks]**

Create a document (PowerPoint, Word, other) to gather the above information and submit the file electronically with your name on the file on your course site.

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### Evaluation

Category/Criteria	Level 1	Level 2	Level 3	Level 4
<b>Knowledge/Understanding, Thinking/Inquiry (15 marks)</b>				
Discuss the post secondary educational requirements including <b>[10 marks]</b> : <ul style="list-style-type: none"><li>▪ program description and school</li><li>▪ possible job types</li><li>▪ admission requirements</li><li>▪ courses taken and # year to graduate</li><li>▪ cost</li></ul>	limited discussion	some discussion	considerable discussion	thorough discussion

*Technological Studies*

Identify job listing, including <b>[5 marks]</b> : <ul style="list-style-type: none"><li>▪ employer</li><li>▪ responsibilities</li><li>▪ technical skills required</li><li>▪ soft skills required</li></ul>	limited discussion of job listing	some discussion of job listing	considerable discussion of job listing	thorough discussion of job listing
<b>Communication (10 marks)</b>				
Effective presentation and communication style, including: <ul style="list-style-type: none"><li>▪ Document (proper font size, key points presented clearly, concisely and effectively, effective use of graphics and visuals)</li><li>▪ Grammar and spelling</li></ul>	limited effectiveness	some effectiveness	considerable effectiveness	thorough effectiveness