



# Second Career Program Research Document

T173

Mechanical Technician - CNC and  
Precision Machining



Community  
Partnerships Office

## PROGRAM LOCATION

Section	Description	Information
1.1	Program Location	Centre for Construction & Engineering Technologies/ School of Mechanical and Engineering Technologies Casa Loma Campus, 160 Kendall Ave., Toronto, ON
1.2	For map and TTC information please use this link	<a href="http://www.georgebrown.ca/maps_and_directions.aspx#CasaLoma">http://www.georgebrown.ca/maps_and_directions.aspx#CasaLoma</a>

## 2 TRAINING PROGRAM

Section	Description	Information
2.1	Program website	<a href="http://www.georgebrown.ca/t173-2019-2020/">http://www.georgebrown.ca/t173-2019-2020/</a> Here you will find the following information on the T173 program: <ol style="list-style-type: none"> <li>1. Starting dates and duration of the program</li> <li>2. Program description</li> <li>3. Program standards and outcomes</li> <li>4. Program outline and required courses</li> <li>5. Careers and Post-Graduate Study Opportunities</li> <li>6. Tuition and Fees</li> <li>7. Admission Requirements</li> <li>8. Health Policy and allergy information</li> <li>9. Program contact information</li> <li>10. Link to download the program information pdf guide</li> </ol>
2.2	Course Outline	Detailed course outlines can be found at: <a href="http://www.georgebrown.ca/CO/gbc/programs/T173.html">http://www.georgebrown.ca/CO/gbc/programs/T173.html</a>
2.3	Is a cooperative placement part of the program and if so, how long is the placement?	No.

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2.4	Describe any other hands-on experiences included in this program	Many of the courses in the program are by their very nature “hands-on.” Students have the opportunity to assist with demonstrations and interactive tours at George Brown’s annual Technology in The City open house.
2.5	Is the curriculum fixed, or is it possible to develop an individual plan?	The program curriculum is generally fixed.
2.6	How long has the school been offering this program?	Contact the program coordinator.

### 3 EMPLOYMENT OUTLOOK

Section	Description	Information
3.1	National Occupational Classification (NOC) occupational group	<ol style="list-style-type: none"> <li>1. Mechanical Engineering Technologists and Technicians</li> <li>2. Industrial Engineering and Manufacturing Technologists</li> </ol>
3.2	NOC Code	<ol style="list-style-type: none"> <li>1. 2232</li> <li>2. 2233</li> </ol>
3.3	NOC Skill Level	B
3.4	What are the labour market conditions for this occupation?	Please check the GBC Career Coach website for job/labour market information for this program/career. Career Coach offers current, local information about all jobs in the GTA, including an overview of each profession and a list of currently available positions in a given field. The data are not limited to industries supported by programs offered at George Brown College; however where we do offer relevant programs, students are presented with options for consideration that lead them into our own program pages.

		<a href="http://cc.georgebrown.ca/">http://cc.georgebrown.ca/</a>
3.5	Are other licenses or certifications required for this occupation?	No.
3.6	Within the last 3 years, what percentage of students completed this program?	Please contact the program coordinator.
3.7	What percentage of students who completed this program are employed in jobs related to the program? Are the jobs full-time, part-time or contract?	Data shows that 100 percent of graduates are employed, 83 percent of employed graduates are employed in a related field, 100 percent in full time positions. (Graduate Employment Report, 2017-2018 of students who graduated in 2016-2017)
3.8	Who hires graduates of this program? Who are the employers? (provide examples.)	Our many graduates have secured employment in aerospace industries, transit industries, mold-making and die-casting industries, sheet-metal stamping industries, machinery building companies, computer numerical control programming environments, research and development prototype environments, construction and building industries, as well as electrical and electronics.
3.9	What is the program's/institutions reputation with employers in the industry/sector?	In a word, excellent, among employers and the community at large. Many employers look specifically for a George Brown diploma. And practitioners already employed in the field are often expected to return to school to acquire the diploma.  With regard to the College in general, in a 2006 Environics poll on post-secondary institutions in Ontario, Greater Toronto Area residents (who themselves or whose family members are in college or are college-bound) name George Brown the province's "best college." Most respondents, when asked which college they would attend, make George Brown their top pick. (The next most popular college trails George Brown by almost 10 points.)

3.10	Can I contact current students or graduates of the program?	<p>The college cannot give out contact information for current students or graduates.</p> <p>Student testimonials are available on the School of Mechanical and Engineering Technologies webpage:  <a href="http://www.georgebrown.ca/engineeringtechnologies/">http://www.georgebrown.ca/engineeringtechnologies/</a></p>
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#### 4 ADMISSION/ENTRANCE REQUIREMENTS

Section	Description	Information
4.1	Admission/Entrance Requirements	<p>Please see the T173 program webpage for more information on admission requirements for this program.  <a href="http://www.georgebrown.ca/t173-2019-2020/">http://www.georgebrown.ca/t173-2019-2020/</a></p> <p>Please visit George Brown College Admissions webpage for more information on:</p> <ol style="list-style-type: none"> <li>1. How to apply</li> <li>2. Admission and Placement Assessments</li> <li>3. Admissions Policies and FAQs</li> <li>4. Entry Advising Services</li> </ol> <p><a href="http://www.georgebrown.ca/admissions/">http://www.georgebrown.ca/admissions/</a></p>

#### 5 COSTS

Section	Description	Information
5.1	What is the tuition cost?	<p>Semesters 1 &amp; 2 = \$4,281.00            Semesters 3 &amp; 4 = \$3,966.00            Total = \$8,110.00 (2018-19)</p>
5.2	Must additional supplies be purchased through the training institution?	No.
5.3	What is the cost of books?	<p>Year 1 = \$500.00            Year 2 = \$300.00</p>

Section	Description	Information
5.4	Is there an application fee or registration fee?	<p>Yes.</p> <p>Ontario College Application Service (OCAS): \$95.00</p> <p>International document assessment (if necessary) for document return \$60.00 plus \$10</p> <p>George Brown College fee deferral: \$500.00</p>