

## JEWELLERY AND METALS

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### Program Outline

<b>Major:</b>	JMET
<b>Length:</b>	2 Years
<b>Delivery:</b>	4 Semesters
<b>Credential:</b>	Ontario College Diploma
<b>Effective:</b>	2016-2017
<b>Location:</b>	Barrie
<b>Start:</b>	Fall (Barrie)

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### Description

This two-year program will give students a comprehensive education in the design theory and technical and aesthetic skills required by the jewellery and metals industry for entry level positions. The emphasis in Semesters 1 and 2 is on basic information and techniques as related to jewellery. Advanced jewellery techniques will be learned as well as hollowware and flatware in Semester 3 and 4. Note: Graduates of this program are eligible to apply for the post-graduate diploma program of GLDS Goldsmithing and Silversmithing.

### Career Opportunities

This program will provide students with the skills needed to produce and repair jewellery, flatware and hollowware. Students will also be introduced to accounting and business practices suitable for small business. Graduates will be able to find employment in jewellery manufacturing, jewellery retailing and custom studios.

### Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

- apply their skill to the production aspects of the industry;
- seek employment with an existing manufacturer;
- work in design, production and/or retailing within the industry;

- create functional and aesthetic jewellery and metalwork;
- produce chains, hinges and clasps;
- make bowls and cylinders;
- apply casting techniques, including centrifugal and vacuum;
- perform basic jewellery repairs, including ring sizing, chain repair and prong replacements;
- use bezel and claw settings for faceted and cabochon stones and jewel clusters;
- be familiar with the basic tools, materials and techniques of illustration and rendering;
- visualize and draw three-dimensional objects;
- use written and oral communication skills to present their work;
- apply basic accounting, business, and entrepreneurial procedures suitable for an owner operated small business;
- be familiar with styles in jewellery and metals from ancient to contemporary times;
- employ environmentally sustainable practices within the profession;
- be familiar with commonly used gem materials and the instruments used for gem identification.

### **The Program Progression:**

Fall Intake - Barrie

Sem 1	Sem 2	Sem 3	Sem 4
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Fall 2016	Winter 2017	Fall 2017	Winter 2018

### **Articulation:**

A number of articulation agreements have been negotiated with universities and other institutions across Canada, North America and internationally. These agreements are assessed, revised and updated on a regular basis. Please contact the program co-ordinator for specific details if you are interested in pursuing such an option. Additional information can be found on our website at

<http://www.georgiancollege.ca/admissions/credit-transfer/>

### **Admission Requirements:**

OSSD or equivalent with

- Grade 12 English (C or U)

Mature students, non-secondary school applicants (19 years or older), and home school applicants may also be considered for admission. Eligibility may be met by applicants who have taken equivalent courses, upgrading, completed their GED, and equivalency testing. For complete details refer to: [www.georgiancollege.ca/admissions/policies-procedures/](http://www.georgiancollege.ca/admissions/policies-procedures/)

Applicants who have taken courses from a recognized and accredited post-secondary institution and/or have relevant life/learning experience may also be considered for admission; refer to the Credit Transfer Centre website for details: [www.georgiancollege.ca/admissions/credit-transfer/](http://www.georgiancollege.ca/admissions/credit-transfer/)

**Additional Information:**

Applicants are encouraged to attend an information session conducted by the Jewellery and Metals faculty.

**Graduation Requirements:**

- 19 Mandatory Courses
- 2 Communications Courses
- 3 General Education Courses

**Graduation Eligibility:**

To graduate from this program, the passing weighted average for promotion through each semester, from year to year, and to graduate is 60%. Additionally, a student must attain a minimum of 50% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester unless otherwise stated on the course outline.

**Mandatory Courses**

- HSTY2000 History of Metal Art
- JEWL1000 Chain Making
- JEWL1001 Jewellery Fabrication
- JEWL1002 Jewellery Studio
- JEWL1003 Jewellery Repairs
- JEWL1004 Lost Wax Casting
- JEWL1005 Primitive Casting
- JEWL1006 Jewellery Drawing
- JEWL1007 Jewellery Design
- JEWL1008 Professional Practice for Jewellers and Metalsmiths

JEWL2000 Jewellery Drawing and Rendering  
JEWL2001 Metalsmithing 1  
JEWL2002 Production Casting 1  
JEWL2003 Introduction to Gemmology  
JEWL2004 Basic Stone Setting  
JEWL2005 Metalsmithing 2  
JEWL2006 Production Casting 2  
JEWL2007 Silversmithing Studio  
JEWL2010 Jewellery Drawing and Design

#### Communications Courses

To be selected at time of registration from the College list, as determined by testing.

#### General Education Courses

To be selected from College list

#### **Course Descriptions:**

HSTY2000 History of Metal Art 42.0 Hours

This course is an overview of historical styles of non-jewellery precious metals. The focus is on Western European silver and gold holloware, secular and ecclesiastical from ancient times to World War II. Social, religious and technological implications will be explored so that students will gain a greater appreciation of how the past connects with the present.

JEWL1000 Chain Making 42.0 Hours

Working mainly with wire, this course investigates chain making by producing various samples, leading to finished chains. Other linking systems such as rivets, hinges and clasps will be explored.

JEWL1001 Jewellery Fabrication 42.0 Hours

This course is an introduction to basic jewellery fabrication techniques by working with sheet metal and wire. Emphasis will be on technical skills in the fabrication of single pieces of jewellery.

JEWL1002 Jewellery Studio 42.0 Hours

This course is an introduction to the making of basic jewellery. Emphasis will be on completing single pieces of jewellery and the technical skills necessary in their production. The content of this course can be applied to other related studies where fine motor skills and creative expression are encouraged.

JEWL1003 Jewellery Repairs 42.0 Hours

This course is an introductory study of various aspects of jewellery repair, such as: ring sizing, retipping, chain soldering and replacement of claws, settings and findings.

**JEWL1004 Lost Wax Casting 42.0 Hours**

This course will cover the investigation of lost wax casting techniques, incorporating wax carving, investment burnout and casting finished pieces of jewellery and/or sculpture.

P- JEWL1001 Jewellery Fabrication or P- JEWL1002 Jewellery Studio

**JEWL1005 Primitive Casting 42.0 Hours**

This course will cover various basic direct casting methods such as cuttlefish bone, charcoal and steam, as well as investment burnout and centrifugal casting finished pieces of jewellery or sculpture.

P- JEWL1001 Jewellery Fabrication or P- JEWL1002 Jewellery Studio

**JEWL1006 Jewellery Drawing 42.0 Hours**

This course develops students' drawing and rendering skills through a variety of techniques and media as related to jewellery and metals.

**JEWL1007 Jewellery Design 42.0 Hours**

This course will introduce students to two-dimensional and three- dimensional exercises which will develop the students' ability to think visually. Emphasis will be on metal related studies.

**JEWL1008 Professional Practice for Jewellers and Metalsmiths 42.0 Hours**

This course is structured to assist students in developing an understanding of the basic professional practises and business procedures within the jewellery and fine metals industry with a focus on small business and self-employed individuals.

**JEWL2000 Jewellery Drawing and Rendering 42.0 Hours**

This course develops students' drawing and rendering skills through an intensive study of various rendering techniques and perspective.

**JEWL2001 Metalsmithing 1 42.0 Hours**

This course is an introduction to the techniques, materials and methods of cold forging non-ferrous metals, particularly copper, brass and sterling silver; as well as the hot forging of tool steel.

**JEWL2002 Production Casting 1 42.0 Hours**

This course is a comprehensive investigation of the materials and methods of production casting. Emphasis will be on accurate model making and the production of multiple items of jewellery suitable for manufacture.

P- JEWL1004 Lost Wax Casting or P- JEL3124 Lost Wax Casting or P- JEWL1005 Primitive Casting or P- JEL3125 Primitive Casting

**JEWL2003 Introduction to Gemmology 42.0 Hours**

This course deals with the elements of gemological knowledge that are important in jewellery design, metalsmithing, gem-setting and jewellery repair, and with practices of instrumental gem identification that are necessary for persons in the jewellery trade.

**JEWL2004 Basic Stone Setting 42.0 Hours**

This course is a study of the various gem setting skills necessary for bezel and claw settings for both faceted and cabochon stones. The setting of jewel clusters is covered. Various metals are used for setting purposes.

**JEWL2005 Metalsmithing 2 42.0 Hours**

This course introduces additional techniques, materials and methods of sheet metal forming of non-ferrous metals like copper, brass and sterling silver. Emphasis is placed on the fabrication of hollow forms such as bowls, tubes, cylinders and cones, as well as chasing.

**JEWL2006 Production Casting 2 42.0 Hours**

This course is a comprehensive investigation of mould making. Emphasis is placed on model making and vulcanized rubber moulds, as well as RTV and alternative material moulds. Packing, vulcanizing, cutting, wax injection and sprue logic for tree casting is examined.

**P- JEWL2002 Production Casting 1**

**JEWL2007 Silversmithing Studio 42.0 Hours**

This course is an introduction to silversmithing skills, tools and methods through the making of basic bowls and cylinders.

**JEWL2010 Jewellery Drawing and Design 42.0 Hours**

This course develops the students' aesthetic sense, their ability to think visually, and their computer drawing and design skills. Emphasis is on drawing and rendering skills used to design jewellery and metals.

**Course Description Legend**

P = Prerequisite; C = Concurrent prerequisite; CO= Corequisite

*Information contained in College documents respecting programs is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs. The college reserves the right to add or delete programs, options, courses, timetables or campus locations subject to sufficient enrolment, and the availability of courses.*