

SUSTAINABLE FASHION PRODUCTION (POSTGRADUATE CERTIFICATE) PROGRAM (F415)

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| PROGRAM NAME | Sustainable Fashion Production |
| COURSE CODE | F415 |
| SCHOOL | School of Fashion and Jewellery |
| CENTRE | Arts, Design and Information Technology |
| LOCATION | Casa Loma Campus |
| DURATION | 1 year (3 semesters) |
| EXPERIENTIAL LEARNING | Students complete a Field Education preparation course in semester 2 and will be required to connect with an industry employer where they must complete 160 hours of field education in semester three. |
| STARTING MONTH | September |
| CREDENTIAL | Ontario College Graduate Certificate |
| YEAR OF STUDY | 2020-2021 |
| METHOD OF STUDY | FT |
| APPLY TO | Ontario Colleges ¹ |

TUITION

\$6,254.00 * +

ADDITIONAL COST

* Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of programs starting in Fall **2019**. Fees are subject to change for programs starting in Fall 2020 and at later dates.

+ Books and additional supplies are not included in tuition fees and must be purchased by the student separately.

International students: Visit the International Fees and Related Costs² page for more information.

FINANCIAL ASSISTANCE

This program is approved for OSAP funding, provided the applicant meets OSAP eligibility criteria.



Students will learn to conduct an analysis of environmental impact and ethical treatment of production workers to discern optimum sustainable product development and manufacturing decisions. Students will use industry technology, such as product lifecycle management tools, to track apparel products through product development and manufacturing stages. While the context of this program is apparel, the processes, management tools and knowledge could be applied to product design in other fields.

PART TIME STUDY OPTIONS

Continuing Education courses and certificates are offered by George Brown College Continuing Education. These courses are not equivalent to full-time post-secondary study. Visit coned.georgebrown.ca for details.

EXPERIENTIAL LEARNING

Students complete a Field Education preparation course in semester 2 and will be required to connect with an industry employer where they must complete 160 hours of field education in semester three.

YOUR FIELD STUDY OPTIONS

Students complete a Field Education preparation course in semester 2 and will be required to connect with an industry employer where they must complete 160 hours of field education in semester three.

This **Sustainable Fashion Production** graduate certificate program prepares graduates to manage the manufacturing process of small batch apparel products. Pre-production analysis, selection of appropriate techniques and technology, flow and efficiency, human resource ethics, environmental concerns, and quality and costing are assessed and applied for the sustainable production of small batch apparel products.

Students will examine manufacturing methods including lean, machinery, material requirements and production flow, and observe first hand the development and manufacture of apparel products. Management of production will be experienced through the development of costing, capacity, process mapping, work measurement, value stream mapping and other planning tools.

THE INDUSTRY

The apparel industry is experiencing disruption from many directions. Concern over the environmental impact of textile and apparel production, waste, water pollution and the carbon footprint of products contributes to sourcing more eco-friendly fibres, reduction of transportation in the supply chain, reduction of harmful chemicals, and other strategies for improving sustainability measures. Concern over working conditions, living wages and questionable treatment of workers in third world countries has led to greater interest in reshoring production or more carefully selecting international partners. New technologies are also disruptive, and can lead to greater efficiency, less waste and fewer errors, yet are expensive to implement and need to be properly utilized to provide intended return on investment.

Many of these disruptions are contributing to the expansion of apparel production in the Canadian market. Canadian companies have started to reshore production to produce their products locally to retain control over quality and lead time, and to ensure they are meeting consumer sustainability criteria.

Sustainable Production Managers will be trained to work with companies who produce goods in local apparel production plants. They can also work with companies who outsource production overseas, as greater scrutiny of the process is needed to ensure environmental, social and other compliance requirements are met.



PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Select appropriate apparel production techniques and technology (e.g. machines, cutting room) to optimize manufacturing results.
2. Manage the manufacture of garments using lean manufacturing and small batch production principles.
3. Implement pre-production processes, including textile sourcing and equipment analysis, to ensure sustainable production.
4. Manage the steps of the manufacturing process using product lifecycle management tools and software.
5. Assess apparel manufacturing processes for evidence of social, environmental and economic sustainability.
6. Perform costing, time, and plant layout to determine production flow and efficient use of resources.
7. Analyze cost and quality of materials to inform product development and manufacturing decisions.

REQUIRED COURSES

SEMESTER 1

| Course Code | Course Name |
|-------------|-------------------------------------------------|
| FAMP1001 | Apparel Manufacturing |
| FAMP1015 | Apparel Preproduction Management |
| FAMP1004 | Issues in Sustainability |
| FAMP1006 | Operations Management in Apparel Production |
| FAMP1008 | Financial Sustainability for Apparel Production |
| FAMP1025 | Design and Product Development Technology |

SEMESTER 2

| Course Code | Course Name |
|-------------|------------------------------------------------------|
| FAMP2014 | Environmental Sustainability for Product Development |
| FAMP2010 | Production Management Studio |
| FAMP2034 | Lean Apparel Production |
| FAMP2044 | Apparel Production Floor |
| FAMP2020 | Quality and Costing |
| FAMP2025 | Field Education Preparation |

SEMESTER 3

| Course Code | Course Name |
|-------------|--------------------------------------------------|
| FAMP2024 | Human Resources Management in Apparel Production |
| FAMP2026 | Field Education Experience |

CAREER OPTIONS

Depending on previous academic and work experience, graduates may pursue career opportunities in the industry such as:

- Production Manager
- Production Planner
- Pre-Production Coordinator
- Sourcing Manager
- Apparel Production Supervisor
- Quality Control Inspector
- Sustainability Auditor
- Technical Development Director

YOUR CAREER

Sustainable Fashion Production graduates will be able to apply their skills to a growing number of positions requiring expertise in apparel production process and quality control.



ADMISSION REQUIREMENTS

- Bachelor's Degree or Diploma in the fields of Fashion, Business or Engineering **with a minimum program GPA of 2.7**

OR

- Applicants with degrees or diplomas from other fields, **with a minimum program GPA of 2.7**, may apply with a resume and will be considered with at least 2 years' previous work experience in the apparel field (resume required)

Please note: Applicants without a fashion background will be required to FASH 1082 (World of Fashion) in Semester 1. If this is a requirement, you will be advised of this in your offer of admission.

ENGLISH LANGUAGE PROFICIENCY

Applicants with international transcripts where English language proficiency results are not supplied must test at the College level in the George Brown College English assessment to be considered.

Please visit georgebrown.ca/englishproficiency for more details.

COURSE EXEMPTIONS

College or university credits may qualify you for course exemptions. Please visit georgebrown.ca/transferguide for more information.

INTERNATIONAL (VISA) STUDENTS

Visit the International Admissions³ page for more information.

APPLY TO

Domestic students should apply through Ontario Colleges⁴

CONTACT US

School of Fashion and Jewellery⁵

Phone: 416-415-5000, ext. 4840

Email: fashionandjewellery@georgebrown.ca

For more information about George Brown College, you may also call the Contact Centre at 416-415-2000 (TTY 1-877-515-5559) or long distance 1-800-265-2002.

VISIT OUR CAMPUS

This program is offered through our School of Fashion and Jewellery⁶ and classes take place at our Casa Loma Campus⁷, located at 160 Kendal Ave.⁸, Toronto, ON, Canada. Some classes may take place at our Fashion Exchange (FX)⁹, located at 63 Regent Park Blvd¹⁰. FX is more than a learning lab; it's also a production facility readily accessible to local designers and fashion producers where you will be immersed in day-to-day apparel manufacturing operations and have the opportunity to network with industry members.

On-campus information sessions are held on a regular basis. Come and have your questions answered. Learn about the program content and career options, meet your friendly professors and staff, and experience what it is like to be in a George Brown College classroom. Sign up¹¹ for an upcoming session.

Campus tours are offered on a regular basis. Sign up¹² today! You can also check out our virtual tour¹³.

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=F415&lang=en>

²<https://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<https://www.georgebrown.ca/international/futurestudents/howtoapply/>

⁴<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=F415&lang=en>

⁵<https://www.georgebrown.ca/fashion-jewellery/>

⁶<https://www.georgebrown.ca/fashion-jewellery/>

⁷<https://www.georgebrown.ca/campuses/casa-loma/>

⁸<https://www.google.com/maps/place/160+Kendal+Ave,+Toronto,+ON+M5R+1M3,+Canada/@43.6760363,-79.4130424,17z/data=!3m1!4b1!4m5!3m4!1s0x882b349c702f728d:0xbdd377adae546b30!8m2!3d43.6760363!4d-79.4108537>

⁹<https://www.georgebrown.ca/fashion-exchange/>

¹⁰https://www.google.ca/maps/place/Fashion+Exchange+-+George+Brown+College/@43.6596552,-79.3615177,15z/data=!4m2!3m1!1s0x0:0xd308a807110b4138?sa=X&ved=0ahUKEwjHuruF7a3bAhVSxVkkHSGwCKgQ_Bll0QEwCg

¹¹<https://www.georgebrown.ca/infosessions/arts-design-information-technology/>

¹²<https://www.eventbrite.ca/e/casa-loma-campus-tour-registration-36232101190>

¹³<https://vt.georgebrown.ca/>

George Brown College is continually striving to improve its programs and their delivery. The information contained in this calendar is subject to change without notice. It should not be viewed as a representation, offer or warranty. Students are responsible for verifying George Brown College admission, graduation, and fee requirements as well as any requirements of outside institutions, industry associations, or other bodies that may award additional designations concurrently with, or after completion of, a George Brown College program.