The Honours Bachelor of Digital Experience Design Degree is a four-year program that produces designers who can solve problems using human-centered, socially conscious, and economically viable digital solutions.

Digital experience design includes related fields such as service design, user experience design, and interaction design. It involves understanding human behaviour and human computer interaction, conducting research and usability studies, managing projects and working in teams, applying business skills, working with existing and emerging digital technologies, prototyping new ideas, and anticipating future trends.

In this program, students will develop the ability to critically analyze and adapt to ever-changing conditions of technology and culture. Foundational courses build students’ analytical, technical and business skills. In upper-year courses and capstone projects, students collaborate on digital interfaces and applications, as well as interactive environments and objects.

This design degree curriculum focuses on three areas of learning based on the digital experience design process:

- **Think:** design thinking, theory, culture and research
- **Make:** designing, building and testing digital experiences
- **Ship:** entrepreneurship and the commercialization of digital products

Interactive Digital Media is a growing industry that is quickly changing, driven by shifts in consumer behaviour and technology. Graduates of this program will be able to contribute to and eventually lead interdisciplinary teams to solve problems across a variety of fields such as security, transportation, education and manufacturing. The degree also prepares students to pursue graduate studies in a wide range of academic disciplines.

Why study Digital Experience Design at George Brown College?

The School of Design at George Brown has an established reputation for design education that focuses imagination, hones critical thinking skills, and engages with the latest technologies. Our faculty bring a combination of professional experience and advanced education to offer course content that is always evolving and reflective of trends in industry and academia.

The School of Design resides in a new 103,000-square-foot facility in the Daniels Waterfront – City of the Arts development. This state-of-the-art building supports academic programs and industry projects with features such as:

- Virtual and augmented reality lab
- Usability and testing lab
- Future Ways of Living lab
- Peer tutor lab
- Digital Sandbox
- Incubators
- Prototyping and workshop spaces
- Design and innovation showcase spaces

Our facilities and computer labs include the latest hardware and software and are complemented by the Digital Media and Gaming Incubator, and Digifest, an annual festival that brings together industry, academics and the public to think about how digital tools and technology will shape our lives and our future.

**A curriculum that reflects changing industry demands**

The Honours Bachelor of Digital Experience Design was created in consultation with industry, faculty, alumni and students. It provides specialized skills training, knowledge and hands-on experience to prepare students for current and future job market demands, as well as for graduate studies. Learn more about what industry is looking for in graduates in this field and how the curriculum builds those skills.
Digital Experience Design embeds and influences human experience through novel and interactive forms of digital technology, combining hardware, software and design. The term “experience” refers to the multifaceted interaction between humans and technology that respects the contextual and situational features of each. The future of digital design lies in understanding this interaction.

Digital Experience Design is gaining currency in the field of research and practice. IDEO, a prominent global design consultancy, lists “Digital Experiences” as one of their core areas of expertise. IDEO sees “Digital Experiences” as those in which there are no boundaries among platforms. They use hardware, software, web and mobile elements, and interactive media to develop effective means for people to share, create and communicate. Thus, Digital Experience Design is a dynamic field, continually adapting to new technologies and interfaces, such as smart devices, sensors, adaptive architectures, mixed realities (AR/VR), immersive environments, multi-screen and multi-sensorial displays. Digital experience design is revolutionizing how organizations serve customers and how we interact with each other and the world around us.

Interactive Digital Media (IDM)

The Canadian Interactive Alliance defines interactive digital media companies as creators of “digital content and environments that provide users with a rich interactive experience – either with content itself or with other users – for the purposes of entertainment, information, or education, or that provides services that directly enable these products/services” (2012 Canadian Interactive Industry Profile). IDM in Canada is a growing industry that is quickly changing, driven by shifts in consumer behaviour and technology. The comprehensive IDM sector includes companies that produce interactive content as well as firms that provide various types of products or services to enable the production of interactive content. These are sometimes called “core” and “peripheral” IDM. Core IDM content includes but is not limited to video and mobile games, cross-platform entertainment, web series, e-learning and training products (Interactive Digital Media, OMDC).

The Greater Toronto Area (GTA) leads North America in offering a diverse, talented pool of Interactive Digital Media workers. The GTA has 15,000 technology companies employing more than 168,000 people, making Toronto Canada’s largest technology hub and the third largest North American centre for technology firms, in addition to being the third largest centre for design on the continent.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Integrate digital experience design theories and methodologies to solve real-life problems and address societal issues.
2. Explain the relationships between digital interactive experiences and products and other fields of practice and study.
3. Provide human-centred and research-based solutions and design opportunities across sectors.
4. Determine the usability of interactive systems to optimize the performance of a product or service.
5. Incorporate key theoretical concepts of design to inform the planning, production, and critique of interactive digital experiences.
6. Develop applications based on trends in digital experience design.
7. Incorporate relevant technological systems in the process of developing digital experiences.
8. Use human-centred design principles to develop and test digital products, systems, and services to enhance the aesthetic and functional experience.
9. Select the appropriate tools that allow for designing, building, visualizing and programming digital interactive experiences.
10. Create interactive products, systems and services using appropriate technologies, materials, and manufacturing methods.
11. Collaborate with and lead interdisciplinary design teams and stakeholders in the process of designing a product or service.
12. Manage a design project by applying business, legal, and ethical principles.
13. Conceive of economically viable projects with accompanying business models.

### REQUIRED COURSES

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDES1000</td>
<td>Design Tools 1: Digital Visualization in 2D Environments</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1001</td>
<td>Digital Systems and Software</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1002</td>
<td>Drawing 1: Introduction to Observational Drawing</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1003</td>
<td>Introduction to Digital Experience Design</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1004</td>
<td>Communicating for Design</td>
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#### SEMESTER 2

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<tr>
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<tbody>
<tr>
<td>BDES1200</td>
<td>Design Thinking</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1201</td>
<td>Design Culture and Theory</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES1202</td>
<td>Drawing 2: Drawing Techniques in Digital Environments</td>
<td>BDES1002 BDES1000</td>
</tr>
<tr>
<td>BDES1203</td>
<td>Introduction to Human Computer Interaction</td>
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**LOWER Liberal Studies Elective**

#### SEMESTER 3

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BDES2300</td>
<td>Design Tools 2: Digital Visualization in 3D Environments</td>
<td>BDES1000</td>
</tr>
<tr>
<td>BDES2301</td>
<td>Human Centered Design Lab</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES2302</td>
<td>Computing 1: Introduction to Interface Development</td>
<td>NONE</td>
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<tr>
<td>BDES2303</td>
<td>Research in Digital Experience 1</td>
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**LOWER Liberal Studies Elective**

#### SEMESTER 4

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<tbody>
<tr>
<td>BDES2400</td>
<td>Design Tools 3: Integrated Digital Visualization Studio</td>
<td>BDES2300</td>
</tr>
<tr>
<td>BDES2401</td>
<td>Real World Project Lab</td>
<td>BDES2301</td>
</tr>
<tr>
<td>BDES2402</td>
<td>Computing 2: Interaction and Responsive</td>
<td>BDES2302</td>
</tr>
<tr>
<td>BDES2403</td>
<td>Research in Digital Experience 2</td>
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**LOWER Liberal Studies Elective**

#### SEMESTER 5

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<tr>
<th>Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>BDES3500</td>
<td>Computing 3: Data Integration and Development</td>
<td>BDES2402</td>
</tr>
<tr>
<td>BDES3505</td>
<td>Professional Practice in Digital Design</td>
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<tr>
<td>BDES3503</td>
<td>Advanced Human Computer Interaction Methods</td>
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<tr>
<td>BDES3504</td>
<td>Special Topic 1: Wearables</td>
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**LOWER Liberal Studies Elective**

#### SEMESTER 6

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<tr>
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<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>BDES3502</td>
<td>Entrepreneurship for Digital Design</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES3600</td>
<td>Design Jam</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES3601</td>
<td>Digital Media Studies</td>
<td>BDES1200</td>
</tr>
<tr>
<td>BDES3603</td>
<td>Transmedia (Cross-Channel)</td>
<td>BDES2400 BDES3500</td>
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**UPPER Liberal Studies Elective**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCOP1001</td>
<td>Work Integrated Learning Co-op</td>
</tr>
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</table>
SEMESTER 7

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>BDES4701</td>
<td>Major Project 1: Research and Conceptualization</td>
<td>NONE</td>
</tr>
<tr>
<td>BDES4702</td>
<td>Trends in Digital Experience Design</td>
<td>BDES3601</td>
</tr>
<tr>
<td>BDES4704</td>
<td>Special Topic 2: MUSH sector</td>
<td>NONE</td>
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</table>

UPPER Liberal Studies Elective

SEMESTER 8

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<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>BDES4800</td>
<td>Commercialization</td>
<td>BDES3602</td>
</tr>
<tr>
<td>BDES4801</td>
<td>Major Project 2: Development and Production</td>
<td>BDES4701</td>
</tr>
<tr>
<td>BDES4804</td>
<td>Special Topic 3: Internet of Things</td>
<td>NONE</td>
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</tbody>
</table>

UPPER Liberal Studies Elective

CAREER OPTIONS

Graduates of this program will have acquired the skills necessary to be employed in design and digital media studios, creative labs, in-house design and digital departments within larger corporations across sectors, or to work independently or in a start-up.

This program prepares graduates for positions such as:

- Digital Experience Designer
- User Experience Designer
- User Interface Designer
- Human Interface Designer
- Interaction Designer
- Information Architect
- Digital Designer
- Digital Product Designer
- Visual Designer
- Mobile Designer
- Web Designer
- User Experience Researcher
- Usability Tester
- Entrepreneur

FUTURE STUDY OPTIONS

Graduates of the Honours Bachelor of Digital Experience Design program may qualify to pursue further graduate studies in relevant program areas. Students should contact universities directly to explore graduate school opportunities.

Examples of potential graduate study and research areas include: design, interaction design, digital/interactive media, digital experience, human computer interaction, systems design, e-health, e-learning, game design, interactive arts and critical practice.

EDUCATIONAL/DEGREE PATHWAY

If you are a George Brown College student who has completed the second or third year of the Interaction Design and Development Advanced Diploma (G103) with a grade point average of 3.2 (75%) or higher, you may be eligible to enter a degree completion pathway to this program.

For more information, contact digitalexperience@georgebrown.ca, or call 416-415-5000, ext. 3129

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Six (6) Grade 12 University (U) or University/College (M) courses or equivalent with a combined average of 65% or above (including English, Math and Visual Arts credit)
- English, Grade 12 (U) with a grade of 65% or higher
- Mathematics, Grade 11 (U) or (M) or Grade 12 (U) with a grade of 60% or higher
- One Visual Arts credit, Grade 11 (M) or Grade 12 (M)
- Application Questionnaire9*
- Portfolio10*

*Qualified applicants will be invited to complete the application questionnaire and submit a portfolio electronically. Details on the application questionnaire and portfolio requirements will be communicated at a later date to qualified applicants, as part of the review process.

Please note that George Brown is committed to ensuring that applicants will succeed in their program of choice and meeting the minimum requirements does not guarantee admission to the program. Applicants may be required to have grades higher than the minimum requirements stated.

OR

**Mature Student status (19 years of age or older and no OSSD)

- English, Grade 12 (U) with a grade of 65% or higher
- Mathematics, Grade 11 (U) or (M) or Grade 12 (U) with a grade of 60% or higher
- One Visual Arts credit, Grade 11 (M) or Grade 12 (M)
• Overall average of 65% of higher in the three required courses
• Post-secondary credits may be considered (certain credits only)
• Application Questionnaire\textsuperscript{11}*
• Portfolio\textsuperscript{12}*

*Qualified applicants will be invited to complete the application questionnaire and submit a portfolio electronically. Details on the application questionnaire and portfolio requirements will be communicated at a later date to qualified applicants, as part of the review process.

**There is no mature student testing in the required credits for degree programs. Mature applicants must have the English and Math credits required. Mature student applicants, who require Grade 12 University (U) level credits for their application to a George Brown degree program, may consider completing our on-campus Degree Preparation (U-level) Courses\textsuperscript{13} at no extra cost. Additional information on where and how to upgrade can be found on the English\textsuperscript{14} and Math\textsuperscript{15} upgrading pages.

**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 Admissions\textsuperscript{16} page for more information.

This college has been granted consent by the Minister of Advanced Education and Skills Development to offer this applied degree for a seven-year term starting September 1, 2017. The college shall ensure that all students admitted to the above-named program during the period of consent will have the opportunity to complete the program within a reasonable time frame.

**CONTACT US**
Participate in an online information session or visit in person. Register for an information session or open house\textsuperscript{17} here.

School of Design\textsuperscript{18}
Phone: 416-415-5000, ext. 3129
Email: digitalexperience@georgebrown.ca
For more information about the program, you may also contact the Program Co-ordinator, Dave Colangelo:
David.Colangelo@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 part of our School of Design\textsuperscript{19}, located at our Waterfront Campus\textsuperscript{20}, at 3 Lower Jarvis St.\textsuperscript{21}, Toronto, Ontario, Canada.
School of Design Building\textsuperscript{22}
The School of Design resides in a new 103,000-square-foot facility in the Daniels Waterfront – City of the Arts development. This state-of-the-art building supports academic programs and industry projects with features such as:
• Virtual and augmented reality lab
• Usability and testing lab
• Future Ways of Living lab
• Peer tutor lab
• Digital Sandbox
• Incubators
• Prototyping and workshop spaces
• Design and innovation showcase spaces

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 at one of our information sessions\textsuperscript{23}. You can also book a campus tour\textsuperscript{24}.

**LINKS REFERENCE**
\textsuperscript{1}https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=G301&lang=en
\textsuperscript{2}http://www.georgebrown.ca/international/futurestudents/tuitionfees/
\textsuperscript{3}http://www.georgebrown.ca/design/
\textsuperscript{4}http://www.georgebrown.ca/design/city-of-the-arts/
\textsuperscript{5}http://www.gaminginc.ca/
\textsuperscript{6}http://torontodigifest.ca/2018/
\textsuperscript{7}http://www.georgebrown.ca/design/programs/g301-industry-needs-and-curriculum-flow/
\textsuperscript{8}http://www.georgebrown.ca/design/programs/g301-applied-research/
\textsuperscript{9}http://www.georgebrown.ca/g301-supplementary-requirements/
\textsuperscript{10}http://www.georgebrown.ca/g301-supplementary-requirements/
\textsuperscript{11}http://www.georgebrown.ca/g301-supplementary-requirements/
\textsuperscript{12}http://www.georgebrown.ca/design/programs/g301-industry-needs-and-curriculum-flow/
\textsuperscript{13}http://www.georgebrown.ca/design/programs/g301-supplementary-requirements/
\textsuperscript{14}http://www.georgebrown.ca/design/programs/g301-supplementary-requirements/
\textsuperscript{15}http://www.georgebrown.ca/design/programs/g301-supplementary-requirements/
\textsuperscript{16}http://www.georgebrown.ca/design/programs/g301-supplementary-requirements/
\textsuperscript{17}http://www.georgebrown.ca/infosessions/arts-design-information-technology/
\textsuperscript{18}http://www.georgebrown.ca/design/
\textsuperscript{19}http://www.georgebrown.ca/design/
\textsuperscript{20}http://www.georgebrown.ca/campuses/waterfront/
\textsuperscript{21}https://www.google.ca/maps/place/3+Lower+Jarvis+St,+Toronto,+ON+M5A+3Y5/data=!4m2!3m1!1s0x89d4cb2fcc80ec73:0xc55d642d4b0b36d4?sa=X&ved=2ahUKEwioysWUwiAhXwOEAKHTzsD2MQ8gEwAHoECACAg
\textsuperscript{22}http://www.georgebrown.ca/design/city-of-the-arts/
\textsuperscript{23}http://www.georgebrown.ca/info_sessions.aspx
\textsuperscript{24}http://www.georgebrown.ca/campus_tours/
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.