WILSON SCHOOL OF DESIGN

DIPLOMA IN
Front-End Development for Interactive Applications

Embark on a dynamic career as a front-end developer with our two-year Diploma in Front-End Development for Interactive Applications. In collaboration with the Melville School of Business' Computer Science department, this program equips students with advanced coding skills, emphasizing a balance between user interface and user experience design. With strong design principles, graduates will excel in creating front-end solutions that prioritize Functionality, Security, and Usability across various screens and browsers.

Program Model

The curriculum is designed for students new to both design and coding. Our unique learning-by-doing model integrates practical experience through industry-standard projects in a custom-built computer lab.

The five focus areas are:

» Web Fundamentals, Front-End Technologies + Coding Principles

» Design Fundamentals, UI/UX + Prototyping

» Project Management + Professional Development

» Areas of Specialization: Motion Design + Data Visualization

» Integration Studio + Capstone Courses

Soft skills are emphasized throughout the program, addressing the industry demand for effective teamwork, project management, stakeholder negotiation, and confident idea presentation. Collaborative learning fosters personal and interpersonal development, complementing technical skills acquisition. Students will have opportunities to engage with industry mentors and work with their peers in Graphic Design for Marketing on crossover projects.

Year One	**Fall**	Web Development Foundations FDIT 1100	Web Systems Development Methodologies FDIT 1110	Design Foundations for Interactive Applications FDIT 1120	User Interface (UI) Foundations FDIT 1130	User Experience (UX) Foundations FDIT 1140
	Spring	Front-End Web Programming FDIT 1200	Back-End Web Programming FDIT 1210	Front-End Development Frameworks and Libraries I FDIT 1220	Design Systems for Interactive Applications FDIT 1230	Responsive Design: Principles and Prototyping FDIT 1240
Year Two	**Fall**	Front-End Development Frameworks and Libraries II FDIT 2100	Project Management and Performance FDIT 2110	Web Applications Development Project FDIT 2120	Motion Design for Interactive Applications FDIT 2130	Design and Development: Integration Studio FDIT 2140
	Spring	Special Topics in Web Development FDIT 2200	Professional Development FDIT 2210	Data Visualization for Interactive Applications FDIT 2230	Design and Development: Capstone FDIT 2240	

Please contact the Future Students' Office for questions about applying to KPU. For additional information regarding Admissions, visit **kpu.ca/admission**. For current course descriptions, visit **kpu.ca/courses**.

10/01/2024

How to Apply

Admission Requirements:

The Front-End Development for Interactive Applications Program is a limited intake diploma program offered each Fall. The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement, apply to this program.

» **English 12 with a min C+** *(or equivalent)*

In addition, one of the following *(or equivalent)* courses are recommended for admission with a grade of 67% (C+):

» Web Development 10

» Computer Studies 10

» Digital Communications 11

» Digital Media Development 12

» Computer Information Systems 11

» Computer Programming 11

» Media Design 11

» Graphic Production 11

» Graphic Arts 11

» Computer Science 11

» Foundations of Math 11

» Pre-calculus 11

Meeting the minimum admission requirements does not guarantee admission into the program.

Application Dates & Deadlines

» Apply between October 1 and March 1

Visit **kpu.ca/admission** for more information about the application process.

**APPLY ONLINE
kpu.ca/apply**

kpu.ca/design/front-end

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Contact Us
Please contact **design@kpu.ca** for program inquiries.

WILSON SCHOOL OF DESIGN KPU KWANTLEN POLYTECHNIC UNIVERSITY

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