# 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

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| **YEAR 1** | **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 2** | **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 | |

# What Sets Our Program Apart?

» **Comprehensive Curriculum**:  From web fundamentals to the latest front-end frameworks, our program covers it all. You'll graduate with a well-rounded skill set, ready to tackle any project that comes your way.

» **Expert Faculty**:  Learn from industry professionals and experienced educators who are passionate about front-end development. Benefit from their insights, guidance, and real-world expertise throughout your learning journey.

» **Portfolio Development**:  We don't just teach you to code; we help you build a portfolio that showcases your talents to potential employers. Your portfolio will be a testament to your skills and creativity, setting you apart in the job market.

# Career Opportunities

Graduates of this program will be employable in both the public and private sector and can be self-employed, with potential job titles including, but not limited to:

» Front-end developer

» Web developer

» Front-end web developer

» Junior front-end engineer

» Junior full stack engineer

» React developer

» Application developer

» Front-end software engineer

» UI/UX designer

» Interactive web designer

# Admission Requirements

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

# Application Dates

» Apply between October 1 and March 1

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**Contact Us**
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