Interactive Design - Web Design and Development Major

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

Are you passionate about blending creativity and design with technology to craft compelling digital experiences? The Interactive Design program with a Web Design and Development major is your gateway to a career as a web designer.

Our program empowers you with the knowledge, skills and tools necessary to thrive, whether you're focused on creative design or solving business challenges with technology.

In this program, you'll:

- master the core principles of design, gaining an understanding of design aesthetics, layout, typography and colour theory, laying the foundation for your creative endeavours
- develop programming and web development fundamentals, including design languages like HTML, CSS and JavaScript,
- explore principles of responsive design to ensure websites function on different devices
- dive into the world of digital design tools and techniques and learn how to use industry-standard software and best practices to transform your creative ideas into polished products that not only meet business needs but also solve complex challenges
- learn problem-solving approaches that emphasize innovation and user-centric solutions
- delve into data-driven design strategies and learn how to create designs that are not just visually appealing but also informed by data, ensuring your work has a meaningful impact
- collaborate with your peers to develop project plans, tackle complex design challenges, and enhance your teamwork and communication skills to prepare you for the collaborative nature of the industry
- focus on human-centric interactions, interactivity and user experience design and explore the art of crafting web experiences that engage and delight users
- gain hands-on experience in client interaction and presentation skills, learn how to effectively communicate your design concepts, gather feedback and iterate on your work to meet client expectations.

Throughout your journey, you'll build a comprehensive portfolio of your work. This portfolio will showcase your applied design concepts, highlight your ability to meet specific client requirements and illustrate your growth as a web designer.

When you graduate, you'll be proficient in front-end and back-end web development and be skilled at engaging with intuitive interfaces. Your expertise will open doors to diverse career opportunities, including web designer, front-end developer, web developer and more.

Push the boundaries of your creativity and tackle real-world challenges head-on. Our Web Design and Development major is your gateway to a fulfilling and innovative career in the interactive design field.

Traits, skills and aptitudes

Web designers and developers are innovative, methodical and directive.

You need:

- logical/critical thinking and problem-solving skills
- the ability to focus on details for long periods
- the ability to organize information effectively
- attention to detail
- patience and persistence
- speaking and writing skills
- interpersonal skills
- numeracy skills
- the ability to work well on a team
- the ability to explain complex ideas in plain language
- the ability to convert abstract or high-level concepts into meaningful results

- confidence in your work.

You should enjoy organizing information, performing tasks with extreme precision and collaborating with others. You should also be committed to life-long learning.

Practicum, Co-op and Work Integrated Learning

You'll participate in a capstone project in your second year, where you'll investigate issues across many different subject areas or domains of knowledge, connect with community issues or problems, and create a solution.

You can participate in an optional work term between your first and second year of the program.

Please note: International students are not eligible to register in or participate in optional work-integrated learning opportunities, as optional placements do not meet current IRCC requirements for student work placements.

Credentials

Upon successful completion of this program, you'll be awarded a SAIT Interactive Design diploma with a major in Web Design and Development.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and completion of the following courses or equivalents:

- at least 50% in Math 30-1 or at least 60% in Math 30-2, and
- at least 55% in English Language Arts 30-1 or at least 60% in English Language Arts 30-2.

SAIT accepts high school course equivalents for admission for applicants educated outside of Alberta.

Applicants educated outside of Canada

All applicants who were educated outside of Canada must demonstrate English language proficiency and provide proof they meet the program admission requirements with an international document assessment. Find accepted educational documents and assessment options.

SAIT may also accept courses completed at certain international post-secondary institutions.

Costs

2026/27 tuition and fees

The following costs are effective as of July 1, 2026.

The estimated total cost of tuition and fees is based on the suggested schedule of study. Following a modified schedule will impact the fees you pay per semester and may alter final costs.

Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2	$9,810	$1,764.50	$11,574.50
2	2	$9,810	$1,764.50	$11,574.50
			Total cost:	**$23,149**

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

International Students

The program total is based on the estimated amount you will pay if you enter this program during the 2026/27 academic year. The program total amount listed on your letter of admission may appear higher. This amount is your maximum tuition guarantee for the program. SAIT will not exceed this maximum, regardless of changes in tuition and fees between academic years.

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2	$24,060	$1,764.50	$25,824.50
2	2	$24,060	$1,764.50	$25,824.50
			Total cost:	**$51,649**

The estimated total cost of tuition and fees for international students is based on the recommended course load per year.

Books and Supplies

Books and supplies are approximately $2,000 per full-time year.

Find your booklist on the SAIT Bookstore's website. The booklist will be available closer to the program start date. Can't find your program or course? The bookstore didn't receive a textbook list. Contact your program directly to determine if they're still refining course details or if you're in luck; no textbook purchase is required this term.

This is a bring-your-own-device program with a custom computer hardware and software requirement.

You require a laptop with an integrated webcam, a smartphone with the ability to record audio and video and headphones with an integrated microphone.

All laptops must meet the following minimum specifications:

- MacBook Air with M2 chip
- 8-Core CPU, 10-core GPU
- 8GB Unified Memory
- 512GB SSD Storage

The recommended laptop is the 14"Apple MacBook Pro with M2 Pro chip.

Should you wish to use a PC laptop, it must meet minimum power user hardware and software requirements. Some UX designers use software that is only for Mac.

Required software

- Adobe CC Student Subscription
- Figma (free for education)
- FileZilla Client
- Chrome
- Visual Studio Code
- MS Office (included in your program)