



Summer Intern Program Overview



Welcome to the Stantec family

We care about the communities we serve—because they're our communities too. We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships.

The Stantec community unites approximately 26,000 employees working in over 350 locations across six continents. We collaborate across disciplines and industries to bring buildings, energy and resources, environmental, and infrastructure projects to life. Our work—engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics, from initial project concept and planning through design, construction, and commissioning.

Our local strength, knowledge, and relationships, coupled with our world-class expertise, have allowed us to go anywhere to meet our clients' needs in more creative and personalized ways. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe.

We're excited to have you join us!

The Amazing Brentwood
Burnaby, British Columbia
(Stantec / James K.M. Cheng)

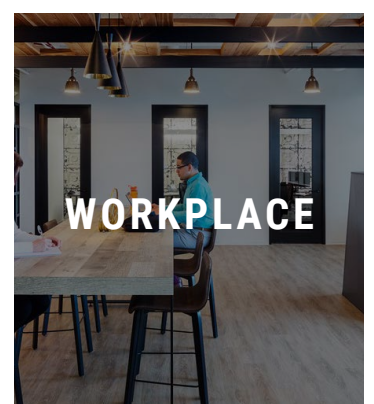
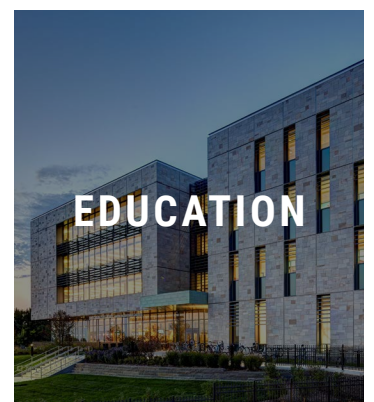
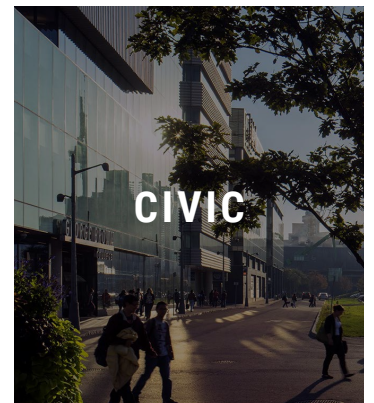
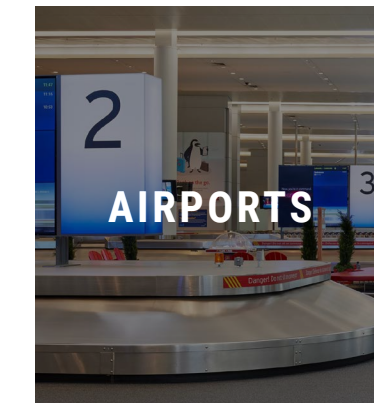


Buildings at Stantec

The buildings that make up the landscape of our daily lives seem like permanent fixtures, fastened to a time and place. But what if that didn't have to be true? What if our built environment — where we live, learn, play, and conduct business — carried us forward instead?

Our design practice keeps people at its heart, recognizing that our shared journey forward is shaped by the meaningful and responsive places we design. Interior or exterior, we create spaces true to each site's unique context and adaptable to changing needs. Spaces that engage and uplift us. Spaces that contribute to our sense of health and well-being. And spaces that fulfill our clients' missions while enriching the communities that surround them.

At Stantec, whether we're partnering with clients to design a hospital or mixed-use development, a research facility or industrial park, an education campus or an airport, we design with the community in mind. Because we believe in the power of place to transform lives, to meet the needs of a community today, and help fulfill its potential tomorrow.





Our Stantec Values

We put people first

People are at the heart of everything we do; they give our work purpose. That's why we listen to and design for the distinct needs of our clients—and those who live and work in the communities we serve. It's why we prioritize the safety of everyone our work touches. And it's why we define fulfilling careers for our own people, helping them set and then surpass their individual goals.

We do what is right

We approach every project as a partnership, because our work creates a lasting impact on our clients' communities. We are accountable to these communities—to strengthening them, and making them resilient for whatever the future may hold. Integrity guides what we do, which means that we make the right choice even when it's the tough choice.

We are better together

When smart, passionate, creative people come together, real possibilities are unleashed. As our own community expands, we welcome everyone's contributions; diverse perspectives create extraordinary results. We draw on our global network to build the right team for each project, because when we work together, no problem is too large or complex.

We are driven to achieve

We believe that transformation—in our work and in ourselves—is truly possible. We're defined by our entrepreneurial spirit and our unwavering pursuit of not only what's next, but also what's best. Bringing imagination and determination to every challenge, we leave no angle unexplored. As a result, we deliver the excellence that propels communities to success.



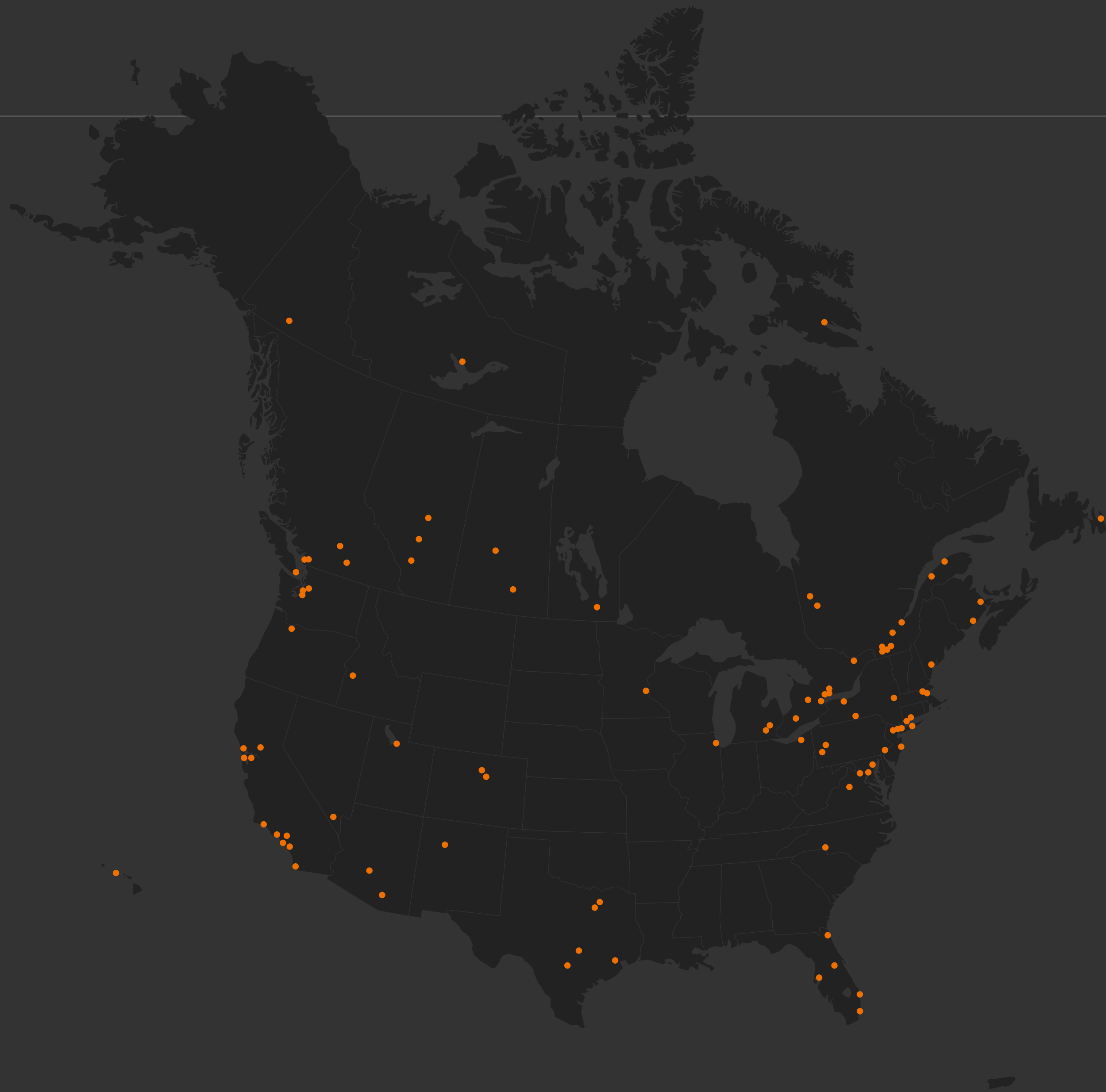


Meet and work with peers across North America

Our interns represent different universities from across the North America. Throughout the summer, you will be working with project teams, designers, and interns from all over North America!

We will connect you with multiple teams and projects giving you a broad view of our Stantec community and the power of interdisciplinary design.

We are here for you, so please feel free to reach out to anyone, in any office.





Your Summer Intern Cohort

Expect to meet and interact with a wide range of peers who are joining our program. You'll have a chance to meet them all, work and learn collaboratively together and even design together!

Local Intern Coordinators

Every intern will have a local Intern Coordinator. Your local Intern Coordinators will be there to guide you throughout the summer, answer any questions you may have, help manage your workload, and offer support and mentorship. Can't find a certain file you need? Curious about local office history or committees? Ask your Intern Coordinator!



Intern Program & Design Project Schedule

SAMPLE LECTURE SERIES

Week 1: Introduction to Stantec

Stantec is a global design company operating in many sectors and many geographies. This session will introduce you to our company, our business model and markets, our leadership and our strategy for growth and sustainability. In an overview of our Buildings Group you will learn about our sectors, services, disciplines and practice model.

Week 1 & 2: Introduction to Intern Project

The Intern Project will be introduced. Join us as we take you through an introduction to the client, the site and the program brief. You will be working with your group of assigned intern colleagues on the design, while aiming to accomplish the client and sustainability goals. Program, schedule and required deliverables to follow.

Week 3: Precedent Design Project Review for Intern Project

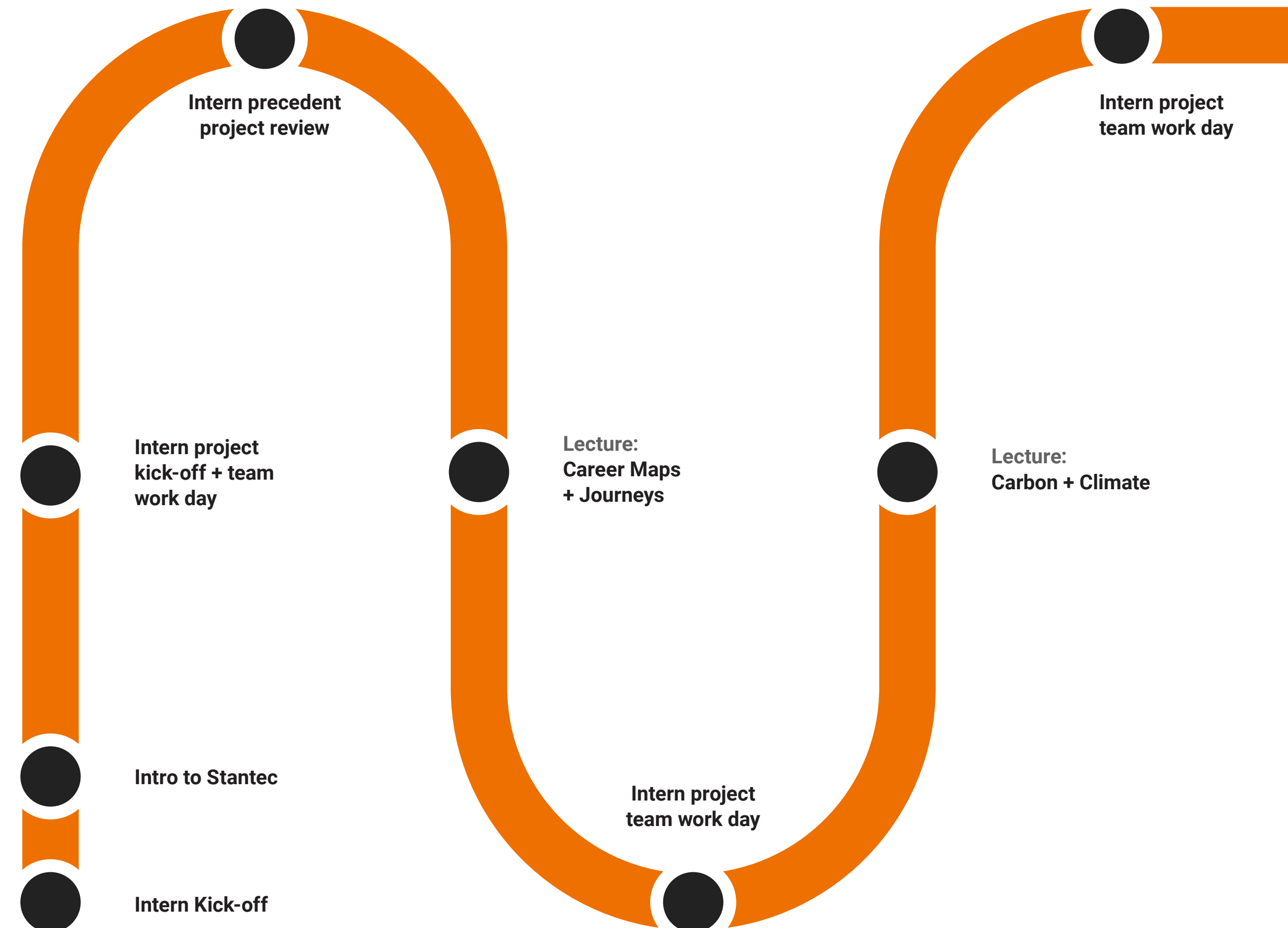
Our team members will walk through projects that have program and design objectives to the intern project. These projects will help guide your design team and illustrate how other teams have approached similar challenges.

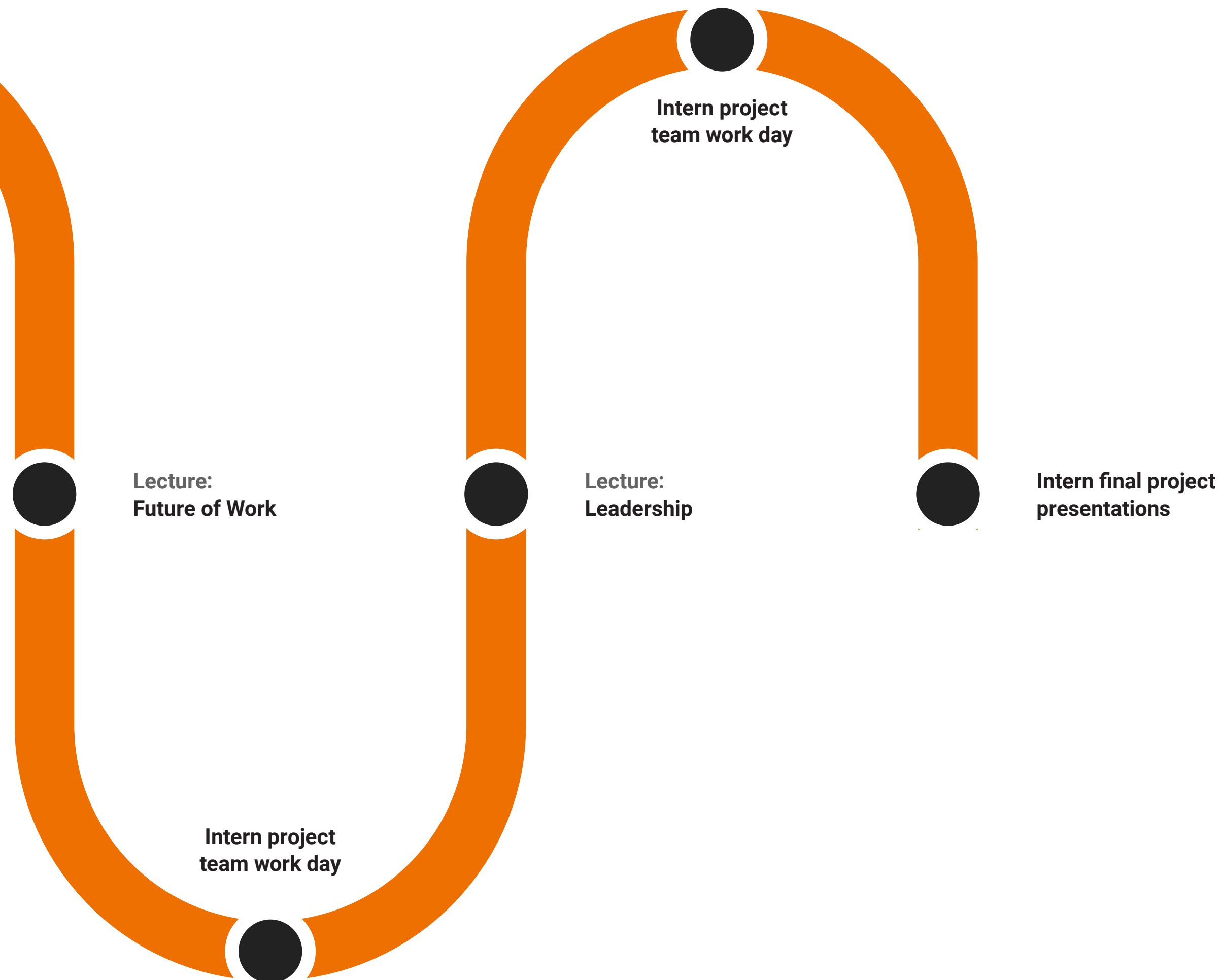
Week 4: Career Maps and Journeys

A group of mid-career professionals will share their career strategies and stories with you. There are no right or wrongs, but having a map for a journey as important as your career is important. You may take detours along the way but it's good to have a compass and a plan for getting to places along the way and good reasons for changing course. And learning from others can be helpful.

Week 5: Carbon + Climate

Stantec is committed to sustainable design principles and building a better planet. We are an industry recognized design practice in the area of NetZero low-carbon and high-performance buildings. Leaders in this area will speak to trends in design and carbon and the importance of interdisciplinary collaboration to solve climate challenges.



**Week 6: The Future of Work**

Technology, changes demographics and most recently the pandemic, are all driving new patterns in work and how we function in the organizational setting. We will have an interactive discussion on some trends we are observing and changes we anticipate.

Week 7: Leadership

Leadership is a critical part of getting work done, managing projects and clients and in getting one's design ideas implemented. We all work with leaders and in our own ways function as leaders. We will discuss the key attributes of leadership and the role of leadership in design. Key attributes of good leadership will be shared.

Week 8: Intern Project Final Presentation and Wrap-up

Intern Teams will present their final designs for their Intern Project to Stantec and the client. We will also use this session to hear from you about what worked and how we can improve on the virtual internship experience at Stantec. What did you like most about

Stantec and if you could change one thing what would that be? Be ready to share your thoughts.

VIRTUAL SOCIAL EVENTS

Throughout the summer we will host some Virtual Social Events via platforms like Microsoft Teams. Potential ideas are Teams Scattegories or Bingo, or Speed Mentoring with Zoom "Rooms" – or even virtual Pictionary.



The Design Project: Team Breakdown

We'll divide our interns into a handful of interdisciplinary teams where you will work together to create a design for the selected Client project.

Your Intern Coordinators on your Team are there to give you advice, feedback, and guidance on your project, but the design and work is yours to own! If at any point you have questions that we need the client to answer, please post them to our Microsoft Teams Channel and we'll get you the answer.

All disciplines on each Team should coordinate their work the entire project (a few examples: how codes impact all disciplines and the overall design, discussing if ductwork wants to be visible, ensuring it's not running through structure, how to best accomplish the sustainability goals in each discipline, etc.)

Your team will have a mid-point check-in presentation to the Client to present your progress work, ask questions, and receive feedback.





Sample Final Deliverables for Intern Project

- Floor Plans
- Site Plan including:
 - Trails, driveways, parking, connections to High School
 - Locations for ancillary structures and outdoor spaces
 - Location of systems used such as mechanical system units, solar panels, water harvesting storage systems, etc.
- 2 – 3 Building sections
 - 2D or 3d, rendered, conveying the design intent
- 3 – 4 Interior Renderings (minimum)
 - Showing structure and ductwork (if exposed), light fixtures, furniture, etc.
- 3 – 4 Exterior Renderings (minimum)
- LEED Platinum and Zero Carbon Analysis
- Structural foundation plans
- Structural framing plans
- Overall mechanical system layout/design
- Overall lighting design and calculations
- Overall electrical power system layout/design
- Equipment/Process Plans
- Acoustic Plans

Design Project Timeline

DESIGN DISCIPLINES

Week 1

- Look at precedents and research LEED Platinum and zero-carbon footprint requirements, Start on Site Plan (diagramming, deciding building placement, locating other site features/ancillary structures)

Week 2

- Finish Site Plan and begin schematic floor plans and building form

Week 3

- Finish schematic floor plans (general layout of programmed spaces, general idea of massing)

Week 4

- Develop floor plans and refined building form, start choosing exterior materials
- More detailed/final floor plans, start to incorporate structural, mechanical, electrical elements – coordinate with your team members (w/ the disciplines you have on your team)

Week 5

- Snapshots/Views of both exterior and interior (not finished renderings, just views to give Client an idea of spatial layouts and connections, views / relationship to outdoors)
- Prep Client Presentation – do a timed run through

Week 6

- Present to Client
- Incorporate what Client said into design, if you have questions ask your Coordinators (aka don't start over, find ways to adjust what you already have)

Week 7

- Work on remaining final deliverables and coordinate with teammates/all disciplines



Get the most out of your Intern Experience

Are you interested in getting involved in your local office? Ask your Intern Coordinator what your office or BC has going on. Some of those things could include:

- Your local office's Fun Committee or Social Committee
- Stantec Employee Resource Groups like:
 - Women in Stantec
 - Latinos in Stantec
 - Developing Professionals Group
- Stantec Research + Benchmarking Groups
 - Sustainability
 - Health Architecture
 - Innovative Learning Environments
 - Furniture and Interior Environments
 - Libraries and Learning Commons
 - Student Life

If you are interested in a local professional organization, reach out to your local Intern Coordinator to ask about what is offered in your area. Almost all disciplines have a great national organization that also has local chapters and events – check them out during the summer!



Architecture:

Check out the American Institute of Architects and ask your Local Intern Coordinator about your local AIA Chapters

www.aia.org

Interior Design:

Look at the IIDA – The Commercial Interior Design Association – and ask your Local Intern Coordinator if there is a local chapter

www.iida.org

Engineering:

For structural and civil, the American Society of Civil Engineers is a great organization; ask your Local Intern Coordinator if there is a local chapter.

www.asce.org

For mechanical engineering, check out the American Society of Heating, Refrigerating and Air-Conditioning Engineers.

www.ashrae.org

Any Discipline:

Interested in Sustainability? See if there is a USGBC (US Green Building Council) or Canada Green Building Council (CAGBC) Chapter near you.

www.usgbc.org

www.cagbc.org



Summer Intern Program & Buildings Design Project