



SUMMER 2018

Student

Employment,

Enrichment and

Summer Camp

Opportunities



SUMMER PROGRAMS 2018

Thinking of what to do in the summer? Here is a list of opportunities to consider

For students interested in SAIT and/or EXPLORING DIFFERENT CAREERS

One or two week programs for grade 9s to 12s including:

- Applied Science: immerse yourself in new technologies, and create outside the box solutions using innovative engineering concepts
- Exploring Emergency Care
- Computer camps including game design
- Professional Culinary programs including Baking & Cooking
- Girls campus with hand-on activities and exposure to the non-traditional
- Future Makers – explore future careers and shape yourself as an entrepreneur, leader and community builder
- Business camps
- Media Arts
- Home Builder's Design
- Home Builder Carpentry
- Exploring the trades
- Weld-a-saurus

For info and registration: <http://saitsummercamps.ca/>

Encounters Canada

Students interested in academic enrichment and travel are welcome to explore the **Encounters with Canada Program**. This bilingual program brings together students, ages 14-17, from across Canada for a one week youth forum in Ottawa. Students can register for a fall or a winter session in areas related to Canadian history, law, sports & fitness, arts & culture, medicine & health, science & technology, the Royal Mounted Canadian Police, journalism & communications, international affairs, politics in Canada, or ecology & the environment. All transportation costs to and from Ottawa are sponsored. For more information visit the website at: www.encounters-recontres.ca or call the toll-free number at: 1-800-361-0419.

For students interested in THE OUTDOORS:

JUNIOR FOREST RANGER PROGRAM. Do you love the outdoors? Are you a full-time high school student between 16-18 years old? If so, then apply to the **Junior Forest Ranger program**. It is seven weeks of adventure and challenge. Remember, this is NOT a summer camp. Learn about wildfires, forest, and environmental management through various work projects. Earn high school credits and become certified in first aid, wildfire orientation and brush saw operation.

As a crew member you get paid (about \$2700), receive high school work experience credit, receive free accommodation and board, get certifications and training related to natural resources management careers and be exposed to broad array of experiences.

Application forms available at AlbertaJFR.ca . Apply by April 1st.

UNIVERSITY OF CALGARY SUMMER CAMPS. The University of Calgary offer the following summer camps for students entering grade 10 to 12:

- Backpacking Expedition 101 – July 12 to July 14
- Backpacking Expedition 201 – July 31 to August 4
- Keiki Longboarding throughout the summer, at different levels
- Rafting Expedition – Jul 5 to Jul 7
- Canoeing Expeditions – various dates
- Soar and more – Paragliding – Aug 23 to 25
- Mountain Biking – Aug 16-18
- Climb on – various dates
- Dino Sports Camps – various

For info & registration:

<https://www.ucalgary.ca/ActiveLiving/registration/Browse/Camps/All?offeringFilter=Entering-Grades-10-to-12>

For students interested in Science, Math and Engineering:

McMASTER UNIVERSITY ENGINEERING – L.E.A.P. PROGRAM

This program provides students with the opportunity to experience engineering and science in a university environment. Learn about Engineering through lab experiments, design challenges and industry tours. A program inspiring students of tomorrow through a unique curriculum. Two week sessions July 3-13th / Jul 16-27th / Jul 30 – Aug 10. For Students in grade 9-12. Take your pick from Engineering 101, Codemaker+, Bioengineering, Structures&Materials, Engineering Technology and Engineering Physics. Residence option available. For info see <https://youthprograms.eng.mcmaster.ca/>

SHAD is a summer program for high achieving students in grades 10, 11 and 12, focused on inspiring leadership, teamwork and the entrepreneurial spirit. See what happens when a group of people go beyond science, technology, engineering and math to push the limits of what's possible. You'll spend 4 weeks in July on a top Canadian university campus and become a SHAD fellow for life. Applications are due by November 30th so consider now for summer of 2019.

Brochures available at Ms. Cochran or at www.shad.ca

UNIVERSITY OF WATERLOO ENGINEERING SUMMER PROGRAMS

Catalyst Summer Program

The Catalyst Summer Program is a 3 week program (2 session weeks, 1 week volunteer placement) that offers a unique, interdisciplinary approach to the "traditional leadership program". Drawing from the University of Waterloo's strengths in engineering, science and innovation, high school students develop leadership skills within a community and problem-based context - with real opportunities to put new skills to practice! Final application round application deadline: April – so apply ASAP. Note: not an overnight camp but accommodation available. Program dates throughout the summer.

For more info: <https://uwaterloo.ca/catalyst/applications>

Engaging in Entrepreneurship & Engineering

Ever wondered what it takes to be an entrepreneur?

Engaging in Entrepreneurship & Engineering (E3) funded by TD is a week-long camp for high school students entering grades 11-12 who are interested in learning the basics of entrepreneurship. Whether you think of yourself as an ideas-person, business-savvy, developer, or designer; this camp is for you! Dates: **August 13-17th 2018**; note: not an overnight camp but residence option available.

Info: <https://uwaterloo.ca/catalyst/applications>

The Quantum Cryptography School for Young Students (QCSYS) is a unique, eight-day enrichment program for students hosted by the Institute for Quantum Computing (IQC) at the University of Waterloo. QCSYS will run **August 10-17, 2018** with students arriving August 10 and departing August 19. Application **deadline is Friday March 23, 2018**

The school offers an interesting blend of lectures, hands-on experiments and group work focused on quantum cryptography — a cutting-edge field that utilizes the fascinating laws of quantum mechanics to develop unbreakable encryption that protects communication.

Students get a first-hand look into the physics and mathematics of quantum mechanics, cryptography and how they merge into one of the most exciting topics in contemporary science — quantum cryptography. Participants meet and collaborate with some of the most renowned researchers the field has to offer. Daily social activities encourage relationship building between participants. It is for students in grade 11 or 12 and completed grade 11 math. Residence included on the University of Waterloo campus. Cost is \$250 for the program, accommodation and food. Cost of travel is extra with bursaries available to help cover the cost.

<https://uwaterloo.ca/institute-for-quantum-computing/programs/quantum-cryptography-school-young-students>

DEEP SUMMER ACADEMY AT UNIVERSITY OF TORONTO

Organized by the University of Toronto's Faculty of Applied Science & Engineering, The Da Vinci Engineering Enrichment Program (DEEP) is designed for highly motivated high school students with an aptitude for science and math. DEEP provides students from around the world with the opportunity for advanced study in a variety of engineering, technology, business and science disciplines.

Since its inception in 2003, DEEP has brought together over 10,000 like-minded students to explore some of the most innovative topics in engineering and science today—taught by some of our faculty's top alumni, PhD candidates, and Master's and undergraduate students. The program is designed to expose bright young minds to concepts usually presented in the upper years of an undergraduate degree or in graduate school.

Get a head start on exploring your options for a university degree and career. Complement your current academic studies with this unique engineering experience.

DEEP is open to students currently in grades 9 to 12 (2017-18 school year). DEEP 2018 Dates TBC:

Week 1: July 9-13, 2018

Week 2: July 16-20, 2018

Week 3: July 23-27, 2018

Week 4 | Design & Innovation Week: July 30-Aug 3, 2018

Applications **deadline TBD – typically Mid March**

<http://outreach.engineering.utoronto.ca/pre-university-programs/deep-summer-academy/>

For students interested in Medicine & Law and the University of Toronto:

- University of Toronto's Youth Summer program (YSP) offer high school students a glimpse into the life a university student at Canada's top Medical or Law schools. In partnership with the Faculty of Law and the Faculty of Medicine, two of Canada's foremost faculties, the Youth Summer Programs provide access to the University's distinguished academic and research professionals who lead "hands-on" academic programming.

The Law YSP allows students to discuss advanced legal concepts and apply them in a variety of stimulating environments within the reality of the Canadian legal system.

The Med YSP showcases the opportunities available in the realm of medicine and medical research.

The YSP takes place in the months of July and August at the downtown St. George campus, and range in length from one to six weeks. (no residence offered this year)

For more information: www.ysp.utoronto.ca (menu bar at the bottom of the page!)

For students interested in UBC & its FUTURE GLOBAL LEADERS program

Are you considering your future university and professional careers and curious about participating as leaders in our global world?

UBC has a pre-university FUTURE GLOBAL LEADERS program that explores all of this during a two week full-time program. Taught at the UBC by professors and affiliated instructors, this program enables high school students to develop essential academic, professional and leadership skills.

Students can choose among 16 two-week, full-time courses & can opt to stay in UBC campus residence including

- Virtual Reality Jul 1-14
- Health Psychology: The intersection of psychology & medicine Jul 1-14 / Jul15-28
- Clinical Neuroscience: Exploring Brain Dysfunction Jul 15-28
- Law & Society: Fundamental concepts Jul 15-28 / Jul 29-Aug 11
- International politics Jul 29-Aug11

Application deadline April 30th for residency option

Info & registration at: <https://cstudies.ubc.ca/programs/future-global-leaders>

For students interested in HUMANITIES – HYP Program at University of King’s College, Halifax

The Humanities for Young People (HYP) is a new residential summer program for bright and highly-motivated students from ages 14 to 16. It will take place at the University of King’s College in Halifax, Nova Scotia from July 7th–15th, 2018. Secondary school students from across the country will have the unique opportunity to work closely and collaboratively with scholars from a variety of disciplines.

Apply by May 18th. Cost is \$975 which includes accommodation, meals, all academic activities and materials, field trips and evening events. Bursaries offered on the basis of financial need.

For information and applications: <http://hyp.ukings.ca/>

For students interested in MCGILL & a taste of university life

Discover McGill and their summer programs for high school students currently in grade 10 and 11. This summer you will have the opportunity to discover two fields of study in the heart of the campus, take your pick!

- Humanitarian Crisis and International Cooperation: a dive in International Relations
- Understanding the Brain: An introduction to Neuroscience

From July 15 to 28, 2018, unfolding over two weeks of classes, workshops, activities and trips, supervised 24/7 by current McGill students, this experience will introduce you to university life and is sure to make your summer memorable!

For more info & registration: <http://www.mcgill.ca/summeracademy/>. Registration opens on February 7th 2018 and the program is very popular.

For students interested in QUEENS UNIVERSITY & experience university

Discover and Experience Queens University for a week with a residence option – August 13-18th 2018. Pick your choice of academic course from a variety of disciplines with 20 hours of classroom instruction over five days with intensive, hands-on experiences in state-of-the-art facilities. Cost of \$995 including residence, food, all activities and instruction – no hidden costs. Registration opened Dec 1st 2017

For info and registration: <http://esu.queensu.ca/programs/seeq/>

For students interested the FINE ARTS & MEDIA ARTS:

Check out the Camps offered at **Red Deer College** at rdc.ab.ca/summercamps. They include:

- ARTSTREK drama program,
- Teen Film Camp,
- Game Design Camp,
- 3D Animation Camp,
- Music Camps

Grade 9 -12s. Students stay on campus. Bring a friend and get discount on your registration fees.

Start Strong at **ACAD with their pre-college program**. It runs from July 3-27th 2018.

Get a hand-on feel for college life, make friends and earn ACAD college credits, and build an awesome portfolio in four intense weeks of full-time studio-based studies in art and design. It's for students between 16-18 years and have completed grade 11 or 12. You will spend your days in a real studio exploring the essential elements of artistic and design practice. In addition to your studio work, you will have the chance to participate in critiques, go on field trips, receive an individual portfolio review from a professional artist or designer, and meet influential members of Calgary's art and design community.

For more info: <https://acad.ca/continuing-education/pre-college-program> and attend the **information session on Saturday March 3, 2018** from 11am to noon. Register at precollege@acad.ca

Music lovers check out **Mount Royal Conservatory summer programs**: One week sessions including Summer Jazz Workshop, Drummer workshop, Blues Guitar Workshop. For more info:

http://www.mtrooyal.ca/ProgramsCourses/FacultiesSchoolsCentres/TheConservatory/Programs/ssdata_cons_sumprog

Ambrose University hosted a Jazz Camp last year in the third week of August for students age 14 and older in guitar, piano, sax, trumpet, trombone, drums and bass. No info posted yet for 2018.

<https://ambrose.edu/jazzcamp>

And **Jazz Day 2018** at Ambrose is on Saturday March 3rd 2018 9.45-4.30pm. Info at ambrose.edu/jazzday

And finally, **Youth Jazz Canada** hosts a Summer Jazz workshop open for High School and Undergrad Students for students from Canada, US and around the world. Typically first 2 weeks of July- application deadline mid March with access to high quality instruction in jazz. <http://youthjazz.ca/summer-workshop/>

For students interested in COMPUTER SCIENCE:

Through University of Alberta: Ross and Verna Tate High School Internship Program (HIP). Do you love computing and want to learn more about it as a career? Are you a high school student in grade 11 or 12? Would you like to earn real money over your summer break? The Computing Science High School Internship Program (HIP) is a great way to learn about computing, make new friends and earn money. Plus you'll have a great job to include on your resume. Earn about \$1600 over 6 weeks (expect July 3rd to Aug 10th). Note: you are responsible for own accommodation arrangements. Application deadline: early April typically. <https://uofa.ualberta.ca/computing-science/explore/hs-internships>

At the University of Regina – The MSI Computer Camps. Last year offered in the first two weeks of July – this year's schedule not yet posted. The MSI Computer Camps are a set of summer camps dedicated to helping youth develop skills in computer related areas. The topics covered in the course of the week long session include: Graphic Design, 3D Modelling & Printing, Video filming & editing, Computer programming and game development using Unreal Engine. For up to date info: <https://compcamps.com/>

For students interested **DEVELOPING THEMSELVES & YOUR LEADERSHIP SKILLS**

FACES stands for Facilitating Awareness and Character-building Experiences for Students. This camp is fun outdoor active camp in the Rocky Mountains. FACES home base is located at the beautiful *Gladstone Ranch*. The Gladstone is nestled right at the base of the Rocky Mountains, 30mins west of Pincher Creek in South West Alberta. You will be hiking, rappelling, rock climbing and canoeing.

The camps are 2 weeks long and there are 7 sessions throughout the summer.

You'll earn up to 15 high school credits and the program has full funding so very minimal costs.

For more info: <http://www.faceseducation.com/>

FOCUS BLOCK PRESENTATION ON THURSDAY FEBRUARY 15TH AT 9.56AM – PARENTS WELCOME!

DALE CARNEGIE TRAINING is a well-known professional communication and sales training program. They now offer a **Summer Leadership Camp: Dale Carnegie Course for Teens**. The Calgary course is held Monday July 16 to Thursday July 20 2018, 9.30am to 4.30pm. The course focuses on five key areas that are critical for future success: Building self-confidence, Enhancing communication skills Interpersonal skill development, Teamwork and leadership skills, Effective attitude management.

For more info and registrations: http://calgary.dale-carnegie.ca/events/summer-leadership-camp-dale-carnegie-course-for-teens/?F_c=1

CO-OPERATIVE YOUTH LEADERSHIP PROGRAM ACCA's Co-operative Youth Leadership Program provides an opportunity for youth to develop their leadership and teamwork skills. It is designed to give youth independence and confidence in their abilities while creating lasting friendships.

These seven day programs take place at Goldeye Centre, located near Nordegg, Alberta in the summer every year. This beautiful, remote setting provides the perfect environment to build friendships, discover hidden talents, learn new skills, gain a positive view of the world, and contribute to their own future. Their YOUTH program is open for students age 15 or 16 by June 24th and focuses on actively taking on leadership roles and being equipped to do it successfully next to friendship and fun times. This year the YOUTH program is Jul 11-17th 2018. Registration opens in March.

For more info and registrations: <http://acca.coop/youth/>

For students interested BUSINESS & LEADERSHIP

The Ivey Business School at Western University has designed a summer experience that will challenge students and build on their leadership potential. Students will experience fast-paced learning and development with Ivey faculty, speakers and team projects. They will experience the difference learning with cases makes as they work in teams and tackle challenging topics.

The Ivey Summer Leadership Program is an intensive nine day residential summer enrichment program for students in grades 10 and 11 from diverse backgrounds. It offers an ambitious curriculum of academics, collaborative projects and recreational activities, while staying on-campus at Western.

Program Dates: August 7 -16, 2018; Cost \$1250 for 9 days + travel to London Ontario.

Application deadline: March 23, 2018

Info & registration: <http://www.ivey.uwo.ca/summerleadership>

For students interested developing their FRENCH LANGUAGE skills

Check out **EXPLORE**. Five-Week French-Language Bursary Program — Most expenses are covered! Are you looking for a spring or summer program to learn French? Do you want to discover another region of Canada and meet new people? Go Explore! Explore is a five-week intensive language-immersion program. You can take the program in the spring or summer, whichever you prefer. Participants in Explore receive a \$2,200 bursary (taxable income) that covers tuition fees for the programs, instructional materials, meals and accommodations, workshops, and other mandatory activities. Discover another region of Canada while learning French. Enjoy five weeks of learning and adventure, friendship and discovery! **REGISTRATION DEADLINE FEBRUARY 15TH 2018**

Info & registration: <http://www.myexplore.ca/en/>

For students interested HEALTH SCIENCES: HYRS PROGRAM

Heritage Youth Researcher Summer Program at the University of Calgary: July 5 to August 16, 2018

The University of Calgary is pleased to announce that we are now accepting applications for the Alberta Innovates **Heritage Youth Researcher Summer (HYRS)** program.

The HYRS program is designed for motivated Grade 11 students in Alberta high schools to gain first-hand experience with biomedical and health research, and to introduce them to career opportunities in research. The University of Calgary will host approximately twenty students from July 5 to August 16, 2018. We invite you to pass on the news about HYRS to exceptional Grade 11 students in your school and encourage them to apply.

HYRS is not just a laboratory work experience. It is a well-rounded program focused on Grade 11 students. Students will work in a University lab doing cutting-edge research, and participants will meet at least once a week for a variety of activities to broaden and enhance their research experience. Activities include safety and introductory training sessions, tours of campus and other research facilities, lectures on health research, and discussion with guest speakers about their careers in research.

Applicants require at least an 85% standing in each of Math 20-1 or Math 20-2, Biology 20, and one other Grade 11 science class, which is the minimum requirement to work in a university laboratory. Applications are submitted online and include a short essay. Applicants are required to have two of their science teachers (or one math and one science teacher) submit a reference and are also required to have one community member (an adult who is not a relative and is from outside their school) submit a reference.

All applications, including references, must be submitted online by the **deadline March 22nd 4pm**. The University of Calgary will only accept applications for students going to school in Red Deer and south to, but not including, Claresholm. Only two HYRS awards will be offered per high school in order to allow participation from throughout central Alberta.

For more information, see the University of Calgary website:

<http://ucalgary.ca/research/students/alberta-innovates-heritage-youth-researcher-summer-program>

For students interested HEALTH SCIENCES:

Last year, NextGen.org organized a Health Sciences Career Camp for students in grade 10-12 on a weekend in the middle of August. Early registration cost was \$125. The program covered many Health Care Professions including Pharmacy technician, Practical Nurse, Social Work, Disability Studies and more. It is an interactive, educational and unique summer camp to learn about Health Science programs and careers through hands-on activities, lab tours and meeting professionals in the field. More information for 2018 to follow later in spring.

Info: <http://www.nextgen.org/programs/health-services/health-career-camp/>

For students interested in LAW ENFORCEMENT

The RCMP Youth Camps help participants learn about the career possibilities offered by the RCMP and provide an opportunity to interact with police officers from various areas of the RCMP.

Two youth camps will take place the at the RCMP Academy, "Depot" Division, in Regina, SK in August 2017

This camp is open to high school students currently in Grade 11 or Grade 12. A total of 32 students will be selected to participate in each camp. Student selection is limited and is based on academic achievement, fitness and interest in a career in policing.

For more information, please see Mrs Lambie.

For students interested in VOLUNTEERING ABROAD

Check out Project Abroad for all information. They are setup to work with High School Students. Projects are all over the world in many different area

<https://www.projects-abroad.ca/>

For students interested in GOING TO A U.S. UNIVERSITY OR BEYOND IN THE SUMMER

Boston University High School Programs

www.bu.edu/summer/highschool

Cornell University Summer College

www.summercollege.cornell.edu

Harvard University Summer School

<https://www.summer.harvard.edu/high-school-programs>

Summer Discovery

Summer Discovery offers pre-college and middle school enrichment and internship programs at campuses and countries across the US and the world.

<https://www.summerdiscovery.com/>

Oxbridge Academic Programs

Oxford Academic Programs offer study programs in England, in Oxford and Cambridge; in France, in Paris and Montpellier, in Spain, in Barcelona, and in New York. Programs vary in age participation from grades 8-9, 10-12, and 9-12. Oxbridge offers programs in Oxford, Cambridge, Paris, Montpellier, Barcelona and New York.

For information about the programs visit: www.oxbridgeprograms.com

MEI International Academy

Travel & study in the summer. Complete one or two high school courses while travelling in Europe or Africa, Central America or Pacific. Take International Business course and travel the world. Note – please see Mrs Lambie before registering regarding credits & process.

<http://www.meiacademy.com>

