

## SUMMER PROGRAMS 2017

**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/>

### **MRU KIDS – YOUTH CAMPS (Age 14-17)**

Mount Royal offers two camps for youth age 14-17:

**Young Entrepreneurs. Jul 17-28, 2017.** Do you have a passion for innovation? Do you have what it takes to create a product or service? Our instructors will guide you through the steps of creating a brand, business plan and implementing a marketing strategy. Put your entrepreneurial skills to the test by presenting your idea to a panel of business experts.

**Leaders in Training. Jul 4-14, 2017.** This two week program will train and prepare the next generation of leaders to reach their full potential. This fun and fast-paced camp allows participants to complete their Standard First Aid and level C CPR. LITs will learn how to develop and implement a lesson plan, create a resume and cover letter and become a leader in the workplace. All camp content is designed to emphasize the value of team-building.

For info & registration: <http://www.mtroyal.ca/mrukids/programsyouth/>

## 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](http://AlbertaJFR.ca) . Apply by April 1<sup>st</sup>.

**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 10 to July 14
- Backpacking Expedition 201 – July 25 to August 4
- Keiki Longboarding throughout the summer, at different levels
- Rafting Expedition – Jun 28 to Jul 7
- Canoeing Expeditions – various dates
- Soar and more – Paragliding – Aug 23 to 25
- Mountain Biking – Aug 14-18
- 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 4-14<sup>th</sup> / Jul 17-28<sup>th</sup> / Jul 31 – Aug 11. 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 [leap.mcmaster.ca](http://leap.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 30<sup>th</sup> so consider now for summer of 2018.

Brochures available at Ms. Cochran or at [www.shad.ca](http://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 14-18<sup>th</sup> 2017**; 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 11-18, 2017** with students arriving August 10 and departing August 19. Application **deadline is Friday March 24, 2017**

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 (2016-17 school year). DEEP 2017 Dates:

Week 1: July 10-14, 2017

Week 2: July 17-21, 2017

Week 3: July 24-28, 2017

Week 4 | Design & Innovation Week: July 31-Aug 4, 2017

Applications **deadline March 16, 2017**

<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](http://www.ysp.utoronto.ca)

## **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 16-29
- Global Genetics Jul 16-29
- Clinical Neuroscience: Exploring Brain Dysfunction Jul 30-Aug12
- Digital Trends and your future in a digital world Jul 30-Aug12
- International politics Jul 30-Aug12

Application deadline April 30<sup>th</sup> 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–16th, 2017. 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 June 1<sup>st</sup>. Cost is \$1,100 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 9 to 22, 2017, 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 1<sup>st</sup> every year and the program is very popular.

## **For students interested in QUEST UNIVERSITY**

Quest University in Squamish BC offers the **Summer Scholars Program**. The details are not yet posted but can be found at <https://questu.ca/public-opportunities/summer-programs/>

## **For students interested in QUEENS UNIVERSITY & experience university**

Discover and Experience Queens University for a week with a residence option – August 13-18<sup>th</sup> 2017. 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.

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](http://rdc.ab.ca/summercamps). They include:

- ARTSTREK drama program,
- Teen Film Camp,
- Game Design Camp,
- 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 4-28<sup>th</sup> 2017.

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 11, 2017** from 11am to noon. Register at [precollege@acad.ca](mailto: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.mtroyal.ca/ProgramsCourses/FacultiesSchoolsCentres/TheConservatory/Programs/ssdata\\_cons\\_sumprog](http://www.mtroyal.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 2017. <https://ambrose.edu/jazzcamp>

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. Jul 3-16<sup>th</sup> - application deadline March 15<sup>th</sup>, 2017 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 (July 4<sup>th</sup> to Aug 11<sup>th</sup>). Note: you are responsible for own accommodation arrangements. Application deadline: April 7<sup>th</sup>  
<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 MARCH 9<sup>TH</sup> 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 17 to Thursday July 20, 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](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 24<sup>th</sup> 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 12-18<sup>th</sup> 2017. 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 1 -10, 2017; Cost \$1250 for 9 days + travel to London Ontario.

Application deadline: March 17, 2017

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 MARCH 6<sup>TH</sup> 2017**

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 6 to August 17, 2017

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 6 to August 17, 2017. 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 Monday, March 20<sup>th</sup> 2017**. 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 2017 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.