

# Vice President Academic's Report

## Dr. Heather Hemming

### Introduction

2015-2016

2016-2017

2017-2018

The years 2015-2018 have been very productive for the academic sector of Acadia University. The documentation contained in this report provides a brief synopsis of activities across the academic sector as communicated to the VPA's Office. In some cases synopsis documents for each of the three years were not received. Please note that the lists of the individual faculty members' record of academic achievements received for each year are found in separate sections/files by academic year. Sections included in this synopsis report include:

- **Faculty of Arts**
- **Faculty of Professional Studies**
- **Faculty of Pure and Applied Science**
- **Faculty of Theology – Acadia Divinity College**
- **Vaughan Memoria Library**
- **Open Acadia**
- **Co-operative Education**
- **Research and Graduate Studies**

## FACULTY OF ARTS

2016-17

The Faculty of Arts continues to provide a robust liberal education in the Arts, Humanities, and Social Sciences. Through our rigorous degree programs, multidisciplinary minor programs, and elective opportunities for students from other faculties, the Faculty of Arts provides the foundation of the liberal education model Acadia is known for. The faculty itself has witnessed some changes over the past academic year with the loss of some of our key members, but also with an infusion of new tenure-track and CLT hires. We continued to provide many opportunities for students, faculty, and community members outside the classroom with academic initiatives like Authors at Acadia series, the Politics Film Series, La Table Francaise, Tuesday night album discussions, concerts in the School of Music, productions by the Acadia Theatre Company, and several Departmental guest speakers. Significant curriculum revisions were completed by the School of Music and ongoing discussions relating to curriculum changes in the Bachelor of Arts programs continue. Finally, the faculty has witnessed a healthy growth in student numbers.

### DEPARTMENT OF ECONOMICS

The Economics Department had a very productive and successful year. The Department hosted a well-attended Bank of Montreal lecture by Mr. Habib Essid, previous Prime Minister of Tunisia. Moreover, the Department held several research series seminars (Dr. Michael Jerison from the State University of New York (Albany, USA); Dr. Dr. Gabriel Mihalache, from the University of Stony Brook (NY, USA); Dr. Steven Kivinen from Dalhousie University (NS); Dr. Pierre Desrochers from the University of Toronto-Mississauga (ON)) attended by our majors and the interested members of the public. The Acadia Economics Society hosted its 8th student conference in February which drew participants from several Maritime Universities (Acadia, Dalhousie, Memorial, St. Mary's). Both of our Honours (Thesis Option) students, Will Kluska and Fiona McGuinty, were selected as finalists in the 2017 Student Panel organized by the Atlantic Association of Applied Economists (AAAE). They presented their research from their honours theses to the Board of AAAE. Will Kluska is accepted to the Master of Public Policy program at University of Calgary, Fiona McGuinty is accepted to the Master of International Relations program at the Central European University, Xingyu Pan is accepted to the Master of Arts in Economics program at Carleton University, and Xue Zhou Feng is accepted to the Master of Science in Mathematics program at the University of Alberta. Acadia Economics students were the recipients of six Acadia Excellence Scholarships (renewable), one Acadia University Residence Scholarship (renewable), one University Entrance Scholarship (renewable), and five scholarship competitions, namely the Marguerita Joy Cutten Scholarship, the Scotiabank Studentships (renewable), the BMO Financial Group Entrance Scholarship, the Dr. Lalia B. Chase Scholarship, and



the Fred C. Manning Scholarship (renewable). Xue Zhou Feng was the recipient of the University Medal in Economics. The Department had its first crop of exchange students from the SDUFE, as part of a two and two Acadia Degree program in Economics, graduate in May. The Department nominated Dr. Paul Hobson for the Professor Emeritus status, which has been approved by the Awards Committee and the Senate in May.

### **DEPARTMENT OF ENGLISH AND THEATRE**

This has been an extremely challenging year for the department with the sudden death of an esteemed colleague, Dr. Herb Wyile, in July 2016.

Faculty members are committed to excellence in teaching with the development of new courses and enhancing existing courses. They continue work on major scholarly and creative projects in addition to serving on many university and community committees. Theatre faculty have written, directed, provided technical assistance, and acted in student and professional productions. Faculty have been recognized for their teaching excellence and expert knowledge in their chosen fields. Faculty members continue to publish, edit, and review books, in addition to attending and presenting at national and international conferences. The Department hosted another successful Authors@Acadia series over the academic term.

### **ENVIRONMENTAL AND SUSTAINABILITY STUDIES PROGRAM**

The Environmental and Sustainability Studies Program (ESST) graduated its fourth full cohort of students in May 2017 and overall student numbers in the BA ESST program now stands at fifty-three (53) majors. This is complemented by thirty-one (31) students completing the BCD with ESST (essentially second majors) that raises the ESST complement to approximately eighty-four (84) students. This year the ESST Academic Exchange Program saw two students participate in exchanges in Norway at the Norwegian University of Life Sciences. The quality of student research, both at the class-project and honours level, remains high and is marked by considerable community engagement. Dr. Glyn Bissix's ESST 3003 students working with Dr. Tom Herman and Mr. Ross Firth, Director of Conservation (Acadia Class of '84) of the Nova Scotia Nature Trust completed a management analysis of Hemeon's Head situated just north-east of Lockport on the South Shore. This is a beach property owned by Acadia University and is adjacent to a property owned and operated by the Nova Scotia Nature Trust (NSNT). Both properties are managed as a contiguous property by the NSNT. In addition, several other community engagement projects were undertaken by ESST students in groups and as individuals. Four ESST honours theses (1 BA and 3 BCD with ESST), supervised by Drs. Cohen, Warner, Colton and Bissix were successfully defended.

### **DEPARTMENT OF HISTORY AND CLASSICS**

This was another busy year for Department of History & Classics faculty and students. Faculty members continue to have a commendable publishing record and are active in their professional organizations, the University, and the local community. In line with trends in the discipline, history faculty provided a number of opportunities for students



to engage with community partners and display their research for public view. Notably, students in the Public History course organized and staffed a “pop-up museum” at the William A. White Conference held at Acadia University in October 2016. Adjunct Professor Dr. Karolyn Smardz Frost was the co-coordinator for this conference, which attracted participants from African-Nova Scotian communities across the province. One of those students, Candina Doucette, subsequently presented her research to a veterans’ group at Camp Aldershot and at an academic conference in Manitoba. In addition, Dr. MacDonald challenged one of her classes to create displays of their research for the department showcase, and gave another class the opportunity to research, design and give two public presentations about the features, layout and workings of a medieval town.

Classics faculty also encouraged their students to present their work to the public: Jenna Colclough, gave several presentations at undergraduate conferences on her Honours research and on research she undertook for Archivist Wendy Robicheau about Acadia students in the Great War. We are very proud that Jenna has received a prestigious and much deserved SSHRC award for graduate study. In other successful efforts to engage students and community, the Department arranged and hosted the Moody-Hamilton Lecture in Atlantic History given by Dr. Neil Safier, the annual Classical Association of Canada talk delivered by Dr. Hector Williams, as well as several other lectures and presentations including a Canada 150 talk by Dr. Stephen Henderson.

Once again, the Department is indebted to the teaching expertise of our adjunct and contract faculty as well as their willingness to participate in department events in order to provide our students with a high caliber education.

## **DEPARTMENT OF LANGUAGES AND LITERATURES**

Members of the Department have been productive and have collectively published 8 articles/ book chapters and 3 books. They also made a total of 23 presentations at national and international conferences in Austria, Belgium, Canada, Cuba, France, Portugal, and the USA.

Once again, the Department, students, and the community at large benefitted from the various programs of linguistic and cultural exchanges. Bernard Delpêche, Robert Proulx, and Anne Quéma collaborated to coordinate the lecteurs/lectrices program and provided support to Julien Level from Rouen, Tom Aimé from Poitiers, and Ariane Goulet from Québec, all of whom worked as lecturers in the French program. Christian Thomas coordinated the German Pedagogical Exchange Service and coached Karoline Garus and Marc Freitag, who worked as lecturers in the German program.

In the German Studies section, Christian Thomas also coordinated the German exchange program with the University of Freiburg where the following students studied for two terms: Rina Kawasumi and Nicholas Ernest. There were also two external students from Dalhousie University taking part in the program through Acadia



University: Chantal Wedge and Austin Ray. With the help of Elke Willmann, C. Thomas facilitated a similar exchange for students from other Canadian Universities.

In the French Studies section, Romira Worvill coordinated the exchange program with France and provided support to Emilie Bruce and Kaitlin Owens, who went to study at the Université de Tours. In the Spanish Studies section, Anne Quéma coordinated the exchange program with Spain, providing support to Kayann Hilton, who went to study at the University de La Rioja.

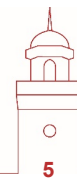
In terms of cultural activities, eight speakers were invited to the Department: Dr. Ursula Mathis-Moser from the Center for Canadian Studies at the University of Innsbruck, Austria; Dr. María Soledad Paz-Mackay from the Department of Languages and Literatures at St. Francis Xavier University; Dr. Julia Sagebien from the Faculty of Management at Dalhousie University; Martine Jacquot, author of *Au gré du vent*; Dr. Ladan Torkamani and Dr. Lina Rieth from Dalhousie University; Dr. Michel Bouchard from the Department of Anthropology at the University of British Columbia (co-sponsored by Dr. Clint Bruce, Canada Research Chair in Acadian and Transnational Studies at Université Sainte-Anne, and Dr. Gillian Poulter from the History and Classics Department at Acadia); and Phil Comeau, Acadian filmmaker. These events and seminars took place thanks to the organizational efforts of Diemo Landgraf, Nicole Nolette, Robert Proulx, Anna Saroli, and Sonia Thon.

## **SCHOOL OF MUSIC**

This year the School continued its multi-year, revolutionary curricular initiative by introducing two newly revised and restructured degree programs in September 2016.

**Bachelor of Music:** After many years of curriculum work, this was the first year the School rolled out the new curriculum for our first-year cohort. This included new teaching models, new degree structure, new courses, as well a brand-new School of Music core for all degrees. One of our most successful new course offerings was 'Chamber Music Workshop'. This is a course where students learn to reflect on process, playing, collaborating and critical listening. Material is created and performed solely by the students, and self-governance and self-sufficiency are key to the success of each student within this year-long course. The new School of Music core has already shown to be a positive addition to all three degree programs and the new advising protocols that simplify a student experience, while offering more flexibility is a very positive outcome for the entire student body.

**Bachelor of Music Therapy:** This degree was given a complete overhaul and updated late in the curriculum cycle last year. The School made changes in Senate in June 2016 and rolled out an entirely new degree structure and many redesigned courses in September 2016. The School is encouraged by the addition of new course offerings, by the revised and strengthened course descriptions, as well as by the new degree structure. This degree program will continue to see many positive opportunities and outcomes for all students within this newly revised degree.



The School of Music recognizes milestone years of service and significant appointments for faculty:

Dr. Christoph Both - 25 years of service at Acadia

Dr. Christianne Rushton - 10 years of service at Acadia

Dr. Heather Price - promoted to Instructor II

Prof. Mark Adam - promoted to Associate Professor

## **DEPARTMENT OF PHILOSOPHY**

The Department of Philosophy has seven publications (all single-authored) to its credit for this reporting period, and ten academic presentations. Major research themes include legal theory, moral theory, philosophy of religion, skepticism, medieval philosophy, the philosophy of Kant, and the philosophy of mind. Five of the presentations took place at international venues. Department members were heavily involved in peer reviewing for various journals and presses. In October 2016, the Department hosted the annual meeting of the Atlantic Region Philosophers Association (ARPA), with over forty presenters from across Canada and the US. Not documented below is the significant service contribution made by Philosophy faculty to Acadia; among other things, they occupied the positions of AUFA Grievance Officer, Chair of the Research Ethics Board and Faculty Representative on the Board of Governors (Marc Ramsay, Stephen Maitzen and Ian Wilks, respectively). Paul Abela has been instrumental in the creation of the Wolfville Theatre Collective, and this year Anna Wilks established the Acadia Women in Philosophy Group.

## **DEPARTMENT OF POLITICS**

The Politics department is being rejuvenated. After seeing three retirements in the first half of this decade, we have been able to hire two excellent new tenure-track faculty members in the last two years. Dr. Erin Crandall joined the department in July 2015 and Dr. Can Mutlu in July 2016. Both have already been nominated for the ASU Leadership in Teaching Award. Drs. Rachel Brickner and Geoffrey Whitehall were recognized for 10 years of service in the department. Department faculty, both established and new, continue to produce nationally and internationally recognized scholarship, support interdisciplinary programs, and serve in leadership positions on a variety of university and community committees and organizations.

One sign of the department's rejuvenation has been the launch of some new initiatives. Dr. Can Mutlu has initiated a departmental podcast series. In the Fall, thanks to a donation from alumnus Justice James MacPherson, we hosted an Alumni Forum, inviting selected alumni from across the country back to Acadia to speak to current students about the diverse work that they have done with their Acadia POLS degrees. And in September we launched our "Politics Passport" (supported by a donation from alumnus John Rogers), giving us a unique mechanism to encourage and track our students' engagement with the world(s) of politics outside of the formal classroom curriculum. These new initiatives add to our existing repertoire of connections between our work and the broader community within and beyond the campus, including sponsoring visiting speakers, organizing public discussion forums on topics such as



electoral reform in Canada and the US election, our weekly Politics Film Series, and more.

Current and former students continue to find success in a variety of venues. One striking example from this year is that the Larry Collins Prize, awarded annually by the Atlantic Provinces Political Science Association for the best undergraduate essay in political science in the region, was won by Rachel McNally, in her 3<sup>rd</sup> year in our Honours program. Writing the best undergraduate political science essay in all of Atlantic Canada is in itself a significant accomplishment. It is also noteworthy that Rachel is the 6<sup>th</sup> student from our department to win that prize since 2005, meaning that Acadia has won almost half of the awards in that period, out of about a dozen universities in the region.

### **GRADUATE PROGRAM IN SOCIAL AND POLITICAL THOUGHT**

The Social and Political Thought (SPT) graduate program has had another very successful year. Three new graduate students from across Canada joined the program in the fall of 2016 and four new students will arrive in the fall of 2017. This brings the total number of SPT students enrolled to fifteen. In 2016/17, Danielle Rodrigue graduated from the program and was awarded a generous funding package for a PHD at Carleton University. Laura Townend was awarded a SSHRC Masters award for her 2017/18 thesis-writing year. The SPT colloquium hosted nine excellent talks from local, Atlantic, national and international academics. The third biennial Graduate Conference titled “An Auto-Experiment” drew students from across North America and was honoured with a keynote by Dr. Damien White from Rhodes Island School of Design. This summer the SPT’s graduate journal titled “*To Be Decided!*” will publish its second issue. The theme of contemporary social, political and ecological “Monsters.” The community speakers’ forum, in partnership with the Box of Delights Bookstore, also had another successful year bridging the community/university divide with monthly free and accessible talks. Finally, Drs. Alice Cohen and Anne Quema joined the SPT program increasing the number of interdisciplinary faculty to thirteen.

### **DEPARTMENT OF SOCIOLOGY**

The past academic year saw those within the Department of Sociology have another productive calendar filled with teaching, conference attendance, speaking engagements, and the successful awarding of various grants related to research. During 2016-2017, there were one-hundred sixty-four (164) Sociology majors of which four (4) successfully completed their Honours Degree. From this cohort, Hannah Hutchinson is set to continue her studies at the Graduate level while attending the University of Guelph in the Fall. In addition to our Honours Program, there were two (2) full-time and seven (7) part-time MA students diligently working on thesis research and writing. The past year highlighted the success of our Graduate program with not one, not two, but three of our Master of Arts candidates successfully defending their thesis work: Suleiman Semalulu in the Spring of 2016, Elise Snow-Kropla in the Fall of 2016, and Jessica Bundy in the Spring of 2017. Suleiman (Sou) is now studying law at the University of Calgary, while Jessica, the recipient of a SSHRC Doctoral Award, will begin her PhD studies at the University of Toronto in 2017.



During 2016-2017 a number of faculty were endowed with funding grants and awards. Claudine Bonner proved to be exceptionally successful (and busy) this past academic year and received an Emerging Scholar Award through the Harrison McCain Foundation [\$10,902], a grant from the Royal Society of Canada Open Academy [\$3,000], an Institutional Connections Grant from SSHRC (with Dr. Stephen Ahern & Dr. Stephen Henderson) [\$22,017], a multi-year SSHRC Insight Development Grant (with Dr. Nina Reid-Maroney & Dr. Boulou de B'beri) [\$237,400], and a SSHRC Institutional Grant (SIG) [\$3,000]. Lesley Frank, too, was awarded an Emerging Scholar Award through the Harrison McCain Foundation [\$15,647.82] and a SSHRC Connections Grant (with Patty Williams) [\$38,825.95]. Also receiving an Emerging Scholar Award through the Harrison McCain Foundation was Saara Liinamaa [\$9,145], while Sarah Rudrum was the successful recipient of an Award from the Acadia University Research Fund (Article 25.55) [\$5,000].

### **WOMEN'S AND GENDER STUDIES PROGRAM**

For the first time in its long history (the first Women's Studies course was created at Acadia in the 1970s), the WGST program has benefitted from the contributions of two tenure-track, cross-appointments. Thus Dr. Claudine Bonner and Dr. Saara Liinamaa have provided leadership in and support for the program. Students clearly enjoyed and benefitted from the courses, mentorship, and knowledge they were offered. The WGST program offers its own designated courses but also depends on cross-listed courses from the three Faculties to expose students to a truly inter/transdisciplinary academic experience. In 2016-2017, and in addition to Claudine Bonner and Saara Liinamaa, the following have contributed to this high quality experience: Jeanette Auger, Malory Beazley, Sarah Campbell Bligh, Michelle Boyd, Rachel Brickner, Wanda Campbell, Jesse Carlson, Tristaca Curley, Heather Dahringer, Michael Dennis, Kelly Dye, Lesley Frank, Phyllis Harvey, Sonia Hewitt, Peter McLeod, Barbara Moore, Randy Newman, Robert Pitter, Ann Marie Powers, Sarah Rudrum, Christianne Rushton, Andrea Schwenke Wylie, Donna Seamone, Anna Wilks, and Geoffrey Whitehall. A highlight this year was PSYC/WGST 2193, Women and Science, taught by Dr. Randy Newman, which has proven wildly popular for Arts and Science students alike. Here are the highlights concerning student achievements: the winner of the program's annual CFUW was Ellen Torie (Music), with Tzomi Burkhart and Erica Marrison (in second and third). Upon graduation, Hannah Hutchinson (Sociology/WGST) was awarded the University medal in WGST.

The WGST program is a major contributor to the quality and diversity of events held at Acadia, which attract not only students and academics, but also community members. We either organize, co-sponsor, or support events throughout the year. Such activity and participation enhance the interdisciplinary aspects of cultural events at Acadia. In 2016-17, such events included presents a panel discussion and Q&A on "Diversity in Governance and Law," by the Hon. A. Anne McLellan; readings by novelist Eden Robinson and graphic artist Meags Fitzgerald; the organization of Canada's National Day of Remembrance; the livestreaming of Marie Henein's Donald Lecture (followed by a debate with the audience); Julie Moreau's discussion of "The Impact of Same-Sex





Marriage Policy” (in Dr. Brickner’s POLS course). Of note were the events that Dr. Bonner organized to celebrate Black History Month. Thus, in honour of the 100th anniversary of the European deployment of the No. 2 Construction Battalion, Dr. Bonner organized a conference on “To Do Our Share: The African Canadian Experience in World War 1.” Other events included “An evening with George Elliott Clarke,” a “Race, Sex, and Sexuality Discussion,” and the screening of *Selma*. Finally, in the last two years, the WISE program (Women’s in Science and Engineering) has developed considerably at Acadia and has collaborated with the WGST program to launch initiatives and support events. Some of the highlights of this collaboration include a keynote by Ulrike Bahr-Gedalia on “Debugging the Gender Gap” with Randy Newman and Darcy Benoit as panel discussants; a celebration of WISE at “Faces of Wise,” featuring presentations by Arts and Science students; and Dr. Karen Crosby’s lecture on “The Brain, Appetite, and Obesity” with Ann Smith as participant, and Lesly Frank, Cathy Morley, Glenys Gibson, and Rachel Bedingfield as panel respondents.

### **ACADIA UNIVERSITY ART GALLERY**

The Acadia University Gallery presents robust exhibition and outreach programming on a year-round basis. Exhibit and events provoke critical dialogue and situate the university gallery as an integral part to the academic experience. For example, the exhibit *Hope is the Only Bee* in Fall 2016 demonstrated the links between art and science and had many classes across disciplines attend curator-led tours.

Outreach programming initiatives extended from class visits, hands-on art learning experiences in our education studio, to collaborations with university classes, such as hosting a weekly pop-up gallery in our side annex and vinyl listening sessions in conjunction with a course in the School of Music. Outreach was also extended in wider community with a series of talks and local partnerships. In Summer 2016, we also launched a blog for the art gallery, which provides behind the scenes accounts of artists in the collection, and our exhibitions.

### **Dr. Laurie Dalton**

#### **Grants**

University Research Fund/25.55. “The Iconography of a Tree: Industry and Community at Expo ’67,” 2017. 2,807.00

#### **Presentations**

(in addition to ongoing lectures and curatorial talks given to classes and public).

“Iconography of a Tree,” San Diego, April 2017

“Dos and Don’ts of Exhibitions,” workshop lecturer. Visual Arts Nova Scotia, 2017

“How to Plan your Exhibit,” guest lecture, HIST Public History, Winter 2017

“Visual Literacy as Research,” guest lecture, EAP (English for Academic Purposes), Winter 2017

#### **Service**



Creative Nova Scotia Leadership Council, ongoing  
Lieutenant Governor Masterworks Boards, ongoing  
Town of Wolfville Public Art Committee, ongoing  
External Reader for an Honours thesis in Department of Community Development,  
April 2017.

### **Exhibitions Listing**

#### *Duly Noted: March 10 - April 21, 2017*

This exhibition presents works from the permanent collection to showcase the ways in which artists have responded to social, political and historical moments. Given the current political and social climate, the exhibition hopes to provoke thought and conversation in the ways we can each stand up, be counted and be part of the dialogue. Curator: Dr. Laurie Dalton

#### *Annual Acadia Art Exhibition: January 14 – March 4, 2017*

Annual non-juried exhibition of the visual creativity of our community.

#### *Jennifer Angus: Hope is the Only Bee..That makes honey without Flowers: September 21 – December 6, 2017*

Jennifer Angus is best known for her large-scale installations incorporating dried insects, which create patterns that reference wallpaper. She is internationally recognized for her work, exhibiting most recently at the Smithsonian in Washington, DC. This is the first time one of her large-scale installations has been exhibited in Nova Scotia. In the installation at Acadia University Art Gallery, the cultural hysteria towards insects is brought up against the important role they play in nature. A variety of insects are pinned to the gallery walls, creating a complex pattern. This is interspersed with wreaths of beeswax flowers that reference memorials and the Victorian tradition of hair wreaths that were made of flowers constructed from the hair of departed loved ones. The complex array of insects in the work associates their role not with societal constructs of fear, but rather one that is vital for the environment. Curator: Dr. Laurie Dalton

#### *I came for the View: July 8 - August 28th, 2016*

This exhibition presents a selection of work from the permanent collection and explores ways in which the Atlantic has inspired the work of artists. The Atlantic is imagined through works in the exhibition as both geographical place, and mythical experience. Works range from the colonial documentation of artists such as Richard Short and John Elliot Woolford, to paintings of key places of the imagination such as Cape Split and Blomidon, to the ways in which we experience the Atlantic through artists such as Alex Colville, Christopher Pratt, Mabel Killam Day, Arthur Lismer and others. Curator: Dr. Laurie Dalton

#### *In Sequence: Selections from the Permanent Collection: May 13 - June 26, 2016*

This exhibition presents a selection of work from the permanent collection and explores the way in which artists approach sequence and series in their work. This exhibition presents a selection of work from the permanent collection and explores the way in



which artists approach sequence in their work. Selections include: *An Atlantic Bestiary* by Cecil Day, *A Book of Hours: Labours of the Months* by Alex Colville, *Map of Flowers* by Noboru Sawai, *Six Variations upon a Spoerri Landscape* by Emmett Williams as well as botanical miniatures by Gwendolyn Hales. Curator: Dr. Laurie Dalton

### **Side Gallery (Annex)**

#### *Zabrina Whitman, Scars Within: March 10 – April 21, 2017*

This exhibition is the result of a project by activist Zabrina Whitman. Impacts of abuse are far-reaching and often invisible, or unseen. This is especially true for individuals in psychological abusive situations. Unlike physical abuse, which leaves a visible mark, the harm, the impact and the reality of the abuse is not as overt - and sometimes is difficult to recognize. This project had two aims: (1) act as a resource to individuals in psychologically abusive relationships, and (2) educate the public about the emotional and mental impact abuse has on victims and survivors. Presented with support of Glooscap First Nation, and Mi'kmaq Family and children services

#### *A Sense of Belonging: January 14 – March 4, 2017*

Touring portfolio print exchange exhibit organized by the NS Printmakers Society.

### **Outreach**

Engagement with both the university and local community is a key focus of the gallery. These events provide another approach in which to engage and interact with our exhibitions. The selection below lists a few of the events that take place each year in the gallery, demonstrating how the gallery is an active, community engaged space for critical dialogue and learning in the arts.

#### *Class Visits*

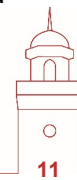
Many Acadia classes and community groups visited the gallery for tours and hands-on art workshops. Over 30 class visits came for *Hope is the Only Bee*, which the director planned, led and delivered tours and workshops. Over the course of the year, we had many classes that explored the importance of critical thinking in visual art such as Biology, English, French, History, Nutrition and Dietetics, Politics, School of Education, Sociology, Spanish and others.

#### *Talks & Presentations*

A variety of events were held at the gallery this year including artist talks, special departmental events and community receptions. For example, WISE events were held in the art gallery, a roundtable on the US election, book launches, and a group choir event was presented in conjunction with the Chapel.

#### *Art Workshops*

The gallery continues to present seasonal family art activities that combined a visit/exercises in art gallery with hands on portion in studio. Additionally, the gallery helped to facilitate a variety of programming for students and adults including artist led workshops by Bob Hainstock, Steven Rhude and Elizabeth Sircom. We have now partnered with Acadia LifeLong Learning on the promotion of our workshops.



### Community Partnerships

An aspect that the gallery continues to develop is the importance of community partnerships including Town of Wolfville, Booker School and others. For example, we collaborated with Deep Roots Music Coop to present a workshop on Music photography.

### Permanent Collection

An important role of the gallery is the stewardship of the permanent collection, which comprises over 2,500 works of art. Continued research of the collection is a key focus of the curatorial work at the gallery, presenting new ways in which to access and interpret works from the permanent collection.

Several exhibitions this past year focused on the permanent collection, presenting new research and approaches to understanding and accessing the works of art at Acadia. In addition, the gallery Director/Curator continues to collaborate with classes and provide access to original works of art for research by students in classes. For example, HIST 2563 focused their term project on researching the Asian textiles in the collection, culminating in a research report and pop-up presentation in the art gallery in April 2016.

In the summer of 2016, a student was hired to assist researching the collection, and to develop a blog for the gallery in which we share information on artists in the collection, and our exhibitions.

Artworks that contribute to the collection mandate of the gallery are acquired annually.

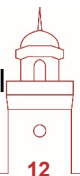
### **Grants**

Fundraising for the gallery, in the form of gallery memberships, private donations and grants is a crucial component to the continued sustainability of the Acadia University Art Gallery.

The gallery was successful in obtaining the following grants: *Young Canada Works/Canadian Museums Association*. Grant, Summer Research Student, Summer 2016, \$3833.16

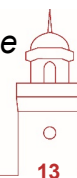
## **FACULTY OF ARTS 2015-16**

The Faculty of Arts, once again, had an extraordinarily productive research year as is detailed below in the list of published articles and books, professional paper presentations and public talks, artistic performances, commissioned art works, and grants. It continues to also provide quality major, minor, and interdisciplinary programs that service many departments and Schools in other faculties as well as our own fine cohort of Arts students. Beyond this campus activity, the Faculty considers part of its mandate to stimulate and support public intellectual discourse and to provide professional expertise through many initiatives of community engagement. The annual



Harvey T. Reid Lecture was delivered by the Honourable Bob Rae who discussed the current state of the Canadian political system, with particular reference to the plight of Aboriginal peoples. This was also a central theme in the Acadia Art Gallery's *ReDress* exhibition, which drew public attention to missing and murdered Aboriginal women across Canada. The Gallery exhibits and events, under the direction of Dr. Laurie Dalton, provoke critical dialogue and demonstrate how university galleries form an integral part of the academic experience. There were a total of five exhibitions and multiple workshops, class visits, and public talks. The academic units themselves also presented a number of public events and community engagement initiatives, a small selection of which follows.

- Providing professional expertise to government businesses and non-profit organizations such as: Dr. Andrew Davis from the Economics Department advising the Provincial Department of Finance during budget preparation, from the Sociology Department, Dr. Lesley Frank's publication of the Nova Scotia Family and Child Poverty Report Card, and the students of ESST 3003 completing an environmental analysis of active transportation and trails for the town of Berwick.
- Public talks and debates such as: Dr. Paul Abela from the Philosophy Department's public debate with Dr. Anna Robins from the Faculty of Theology on "The Struggle for Meaning", Dr. Michael Dennis from the History and Classics Department's participation in the Dr. Martin Luther King Jr. Day's symposium organized by Dr. Claudine Bonner from the Sociology/WGST programs, and Dr. Jennifer MacDonald's talk to the Wolfville Historical Society on the Magna Carta.
- Public Discussions and social engagement such as the *Commit Sociology* discussions on critical debates on matters that shape our lives individually and collectively, Dr. Erin Crandall and the Politics Department's involvement in pre and post-election discussions during the Federal election period, and Dr. Zelda Abramson and the Sociology Department and WGST programs' kNOW More third-year research methods research addressing issues of consent, sexual harassment and strategies (kNOWMORE) to address these problems on campus.
- Invited Speakers including the English and Theatre Department's Authors at Acadia series featuring talks by Andrew Steeves, Rita Wong, Leanne Simpson, Darren Greer, Joan Clark, and Cornelia Hoogland, and the Languages and Literatures speakers' series including talks by Anne Shaftel (Art Conservator), Dr. Jerry White (CRC at Dalhousie University), and Patricia Lee Men Chin.
- Performances such as the multiple concerts and recitals from the faculty, students and ensembles in the School of Music including the presentation of Handel's *Messiah* to sold-out audiences, and the Acadia Theatre Company's productions of *Three Sisters*, directed by Dr. Michael Devine, and *House of Blue Leaves*, directed by Professor Robert Seale.



- Community Outreach programs including the Languages and Literatures very popular weekly program known as *La table française*, which allows members of the community to practice speaking French, Dr. Jamie Whidden's (History and Classics) coordination of the ASPECT program which places our students in local schools where they work as volunteers in the classroom with the teachers and students, and the multiple practicum and volunteer placements from the School of Music's music education and music therapy programs.
- Major commemorative events including the Aboriginal Arts Mawio'mi organized by Dr. Cynthia Alexander from the Politics Department and Dr. Andrea Schwnke Wyle from the English and Theatre Department, and the December 6 vigil in honour of the National Day of Remembrance and Action on Violence Against Women organized by members of the Women's and Gender Studies program.

### **DEPARTMENT OF ECONOMICS**

The Economics Department had a very busy and successful year. The number of students taught by Economics faculty continued its upward trend along with the number of Economics Majors. The Department hosted the 2015 the Atlantic Canada Economics Association Annual Conference. The Economics Student Society hosted its 7<sup>th</sup> student conference which drew participants from numerous Maritime Universities. Acadia Economics students were the recipients thirteen Renewable Acadia Excellence Scholarships and four scholarship competitions, namely a Colville Award, George C. Nowlan Scholarship and two BMO Entrance scholarships. Soto Ichiba received a Deans' List scholarship and was the recipient of the University Medal in Economics and the Hayward Silver Medal (closest GPA to the Governor – General Medal winner).

### **DEPARTMENT OF ENGLISH AND THEATRE**

Faculty members are committed to excellence in teaching and continue their work on major scholarly and creative projects. Faculty have collectively published several books and book chapters, numerous articles, and a variety of reviews, and have served on many university and community committees. Refereed and/or invited presentations were given at national and international conferences. Theatre faculty have written, directed, provided technical assistance, and acted in student and professional productions. We hosted another successful Authors@Acadia series and Acadia's third annual Mawio'mi over the academic term. The department created a Publicity Committee whose main focus this year was to redesign our departmental web pages to increase the visibility of our programs on campus and beyond. We are maintaining our academic and creative reputation across Canada and throughout the world.

### **ENVIRONMENTAL AND SUSTAINABILITY STUDIES PROGRAM**

The Environmental and Sustainability Studies Program (ESST) graduated its third full cohort of students in May 2016 and overall student numbers now stand at approximately 70 majors. This year the ESST Academic Exchange Program saw its first international student, from Norway, attend the ESST program for the fall term, and



one Acadia ESST major is undertaking studies at the University of Freiburg. This coming year four Acadia ESST students will attend the Norwegian University of Life Sciences as part of their studies. The quality of student research, both at the class-project and honours level, remains high and is marked by considerable community engagement. Dr. Glyn Bissix's ESST 3003 students completed an environmental analysis of active transportation and trails for the town of Berwick, and several other community engagement projects were also undertaken by ESST students in groups. Three ESST honours theses were successfully defended.

The most significant news for the ESST program was, however, related to complement: the first full cross-appointment at Acadia University was completed, between the Department of Earth and Environmental Science and Environmental and Sustainability Studies. Dr. Alice Cohen, who has taught in both units on contractually-limited terms for several years, now holds a tenure-track appointment at the rank of Assistant Professor, half-time in each unit beginning 1 July 2016. This is a powerful statement of the value that the Administration and Faculty Association place on interdisciplinarity, and the ESST program is grateful to each for the support that they have shown to this initiative. As noted in the entry above, the ESST program has only just secured its first individual complement member this year. The other faculty members who support the ESST program through their teaching, research, and administrative work are drawn from other units on campus.

### **DEPARTMENT OF HISTORY AND CLASSICS**

Faculty members were busy this year offering their own classes and were also in high demand as guest lecturers in other courses and for public events outside the University. For instance, Dr. Whidden spoke about migrants in Canada, Dr. Duke offered several talks and sessions on Environmental history, and Dr. MacDonald spoke to the Wolfville Historical Society on the Magna Carta. Events like these are important as they serve to create a positive connection and sense of community between campus and the surrounding area. In addition, faculty members maintained their high standards of scholarly research, publishing numerous articles and giving many academic presentations. Dr. Vernon Provencal had a particularly noteworthy year since he published a monograph entitled *Sophist Kings: Persians as Other in Herodotus* as well as three separate book chapters.

We graduated ten Honours students this year and were proud of the high level of accomplishment evidenced in their final submissions. Two chose the Archival option, for which they spent one semester working with the Archivists in the Esther Clark Wright Archives, sorting and recording archival materials. The second semester was spent writing an article-length paper on an aspect of the *fonds* they worked with. We are sending three of our students to the U.K. for graduate studies – one to the University of Cambridge, another to the University of Kent at Canterbury, and one to Leicester University. In addition, Mercedes Peters, co-recipient with Norah Bonsteel of the prize for best honours thesis, received a very prestigious Killam Award to continue her study of Aboriginal policy at Dalhousie University. To celebrate our students' accomplishments and as a way to create a stronger sense of belonging to our



Department, we organized a Banquet for our graduates on May 13th. It was very well attended and enjoyed by all, and we hope to hold similar events in future.

## **DEPARTMENT OF LANGUAGES AND LITERATURES**

Members of the Department have been productive and have collectively published 7 articles or book chapters, 5 books (4 editions and 1 monograph), and have presented a total of 26 presentations at national and international conferences in Canada, Cuba, France, Mexico, Puerto Rico, Spain, Switzerland, and the USA.

Once again, the Department, students, and the community at large benefitted from the various programs of linguistic and cultural exchanges. Anne Quéma, Bernard Delpêche, and Romira Worvill collaborated to coordinate the lecteurs/lectrices program and provided support to Guillaume Fleury from Rouen and Tania Grégoire from Québec, both of whom worked as lecturers in the French program. Christian Thomas coordinated the German Pedagogical Exchange Service and coached Henning Grashoff and Isabel Jung, who worked as lecturers in the German program.

Christian Thomas also coordinated the German exchange program with the Universität Freiburg where the following students studied for two terms: Lee Brannen, Nicole Burnhauser, Joey Hipson, and Genevieve Rowell. With the help of Elke Willmann, C. Thomas facilitated a similar exchange for students from other Canadian Universities.

In the French studies section, Kate Ashley coordinated the exchange program with France and provided support to Julianna Mutch, who went to study at the Université de Tours. In the Spanish Studies section, Anne Quéma and Anna Saroli coordinated the exchange program with Spain, providing support to Nicole Amirault, Greer Deane, Vanessa Steinmann, and Stanise Wilson, who all went to study at the Universidad de La Rioja. Anna Saroli also liaised with Michael Holmes, the International Admissions Officer, who is coordinating the Study Abroad program at La Rioja.

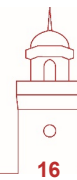
In terms of cultural activities, Anne Shaftel (Art Conservator), Dr. Jerry White (CRC at Dalhousie University), and Patricia Lee Men Chin were invited speakers to the Department. Les Amis de Grand Pré also participated in two presentations revolving around Acadian culture and literature by two candidates applying for a tenure-track position in French Studies.

Finally, the Department will hold its annual Summer Institute designed at Acadia for teachers of French in Nova Scotia.

## **SCHOOL OF MUSIC**

The School of Music completed a comprehensive, multi-year curricular overhaul in order to continue to create current, contemporary and flexible 21<sup>st</sup> century musicians.

The curriculum reform includes a new School of Music core (common to all degrees), and a redesigned Bachelor of Music degree (with a new structure and new courses).





The School also held its first review of the Music Therapy program and an updated Bachelor of Music Therapy degree is an exciting result of this review.

Working on curriculum changes, course descriptions and degree structure was a cohesive and unifying experience for faculty. It included honest analysis and often difficult realizations. We saw each other's golden ideas, we heard what inspires one another, we laughed, we argued, and we fought vehemently for what we believed in. At the center of every discussion, however, was the student experience, not ours. It was the outcomes and shared values of music, not our personal area of expertise that allowed us to be successful, and we are excited about these new initiatives. In closing, the process and completion of the 2015 School of Music curriculum overhaul was a success because of ingenuity, innovation, communication and collaboration.

### **DEPARTMENT OF PHILOSOPHY**

The Department of Philosophy has six publications (all single-authored) to its credit for this reporting period, and eleven academic presentations. Major research themes include legal theory, moral theory, philosophy of religion, skepticism, history of logic, the philosophy of Kant, and the philosophy of mind. Some of the published work appeared under the banner of prestigious presses like Oxford University Press and Cambridge University Press. Three of the presentations were at international venues. Department members were heavily involved in peer reviewing for various journals and presses. Not documented below is the significant service contribution made by Philosophy faculty to Acadia; among other things, they occupied the positions of AUFA Grievance Officer, Chair of the Research Ethics Board and Faculty Representative on the Board of Governors (Paul Abela, Stephen Maitzen and Ian Wilks, respectively).

### **DEPARTMENT OF POLITICS**

After losing three of our seven faculty to retirements between 2010-14, the Department of Politics was pleased to welcome Dr. Erin Crandall, our new tenure-track appointment in Canadian Politics. Dr. Crandall has already made remarkable contributions to our students, the department, the Faculty of Arts, and the Faculty Association, as well as being a regular commentator on Canadian politics in the media. It is worth noting that in her very first year, she was nominated for the ASU Leadership in Teaching Award. We were fortunate to have been authorized to hire another tenure-track faculty member in the field of International Relations, the search for which we received 123 applications. We are pleased that Dr. Can Mutlu will be joining the Department in July 2016. Dr. Mutlu has a PhD from the University of Ottawa and most recently has been teaching at Bilkent University in Turkey. Dr. Mutlu's research focuses on the politics of border technologies. Since the retirement of Dr. Greg Pycz in 2010, our political theory stream has been taught by part-time faculty, and while we are pleased that Dr. Inna Viriasova will be able to join us for an additional year, we remain concerned with the ability to attract the best faculty to teach this critical stream on a part-time basis.

Department faculty continued to produce nationally and internationally recognized scholarship, support interdisciplinary programs—particularly Earth and Environmental Studies, Social and Political Thought, and Women's and Gender Studies—and serve in



leadership positions on a variety of university and community committees and organizations. Of note, Dr. Brickner finished an extended term as the president of the Faculty Association and will be resuming her full teaching load in the coming year. The Department continued to play an integral role in bringing culturally and intellectually enriching programming to the Acadia community, from big events such as the Aboriginal Arts Mawio'mi and the Harvey T. Reid Lecture Series; to more informal events like our brown-bag lecture on the Syrian refugee crisis and our regular Politics Film Series.

Current and former students continued to achieve impressive academic accomplishments. We were thrilled to see one master's and three honours students successfully complete their theses this year, while alumna Alison Shott defended her doctorate in Political Science at the University of Western Ontario. As they progress in their professional lives, our alumni continue to demonstrate the diverse and creative ways that an Acadia Politics degree allows students to contribute to their world. For example, Emma Pullman (2006) is a researcher and media commentator with the activist organization SumOfUs; Stewart Webb (2008) is a defense policy analyst and editor with UK-based DefenceReport; Brynne Sinclair-Waters (2010) accepted a position as a policy analyst with the Ontario Confederation of University Faculty Associations; and Dakin Macdonald (2011) worked as a speech writer during the most recent campaigns of Alberta Premier Rachel Notley and former leader of the federal NDP Thomas Mulcair.

### **DEPARTMENT OF SOCIOLOGY**

The Department of Sociology in recent years has undergone many transitions due to numerous retirements and resignations. The department's research interests and areas of specialization have shifted, and at our recent retreat we re-conceptualized our program into three broad themes: knowledge and power, social justice, and the Sociology of everyday life. We emphasize a commitment to public Sociology and transformative practices. The department's concern is with the kind of educational experience which will enable continued critical analysis and understanding of social phenomena beyond the immediacy of the university experience. We see theory and praxis as one, linking classroom teachings to community engagement. Students are encouraged to "Commit Sociology" at Acadia, which are public discussions mostly facilitated by students on issues that matter to our individual and collective lives.

The accomplishments of the Sociology Honours class of 2016, are noteworthy. Most are continuing their education and have been accepted to the following programs: Master of Sociology at UBC, McMaster Medical School, Master of Social Work at McGill University, Dalhousie Law School, Master of Sociology at Cambridge University in the UK.

### **WOMEN'S AND GENDER STUDIES PROGRAM**

The Women's and Gender Studies program continued to flourish this year, most notably by successfully completing the tenure track hiring process for two appointments shared with Sociology. We are very proud to have two new faculty members joining us next semester: Dr. Claudine Bonner and Dr. Saara Liinamaa. Their presence will no doubt lead the program in some exciting new directions!



The fruitful collaboration between WGST and WISE (Women in Science and Engineering) continued this year. In the Fall, we held a career mentoring event for students, entitled “WISE Works!” with a plenary address by Dr. Deb MacLatchy (who has since been the recipient of an Acadia Honorary degree). WGST also participated in the organization of “Girls Get WISE”, a day-long science retreat for grade 6 students, and a year-end social event entitled “Picking up STEAM”, where we invited students to begin a discussion about how to integrate the Arts in STEM subjects to create STEAM – “Science, Technology, Engineering, Arts, and Math.”

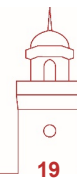
As usual, WGST sponsored public talks on a variety of relevant and topical subjects and organized the annual December 6<sup>th</sup> Memorial. We also embarked on a re-vamp of our promotional materials in an effort to better convey the benefits and career-potential of Women’s and Gender Studies to prospective students. This was spearheaded by Dr. Anne Quema, who also took over as Coordinator of the program in July 2016. We now have a short, but very effective, promotional video to use at career fairs and on our website.

For the coming year, we are most excited about our new Women in Science course. Dr. Randy Newman (Psychology) will teach the course for the first time in Winter 2017. It has been cross-listed as WGST/PSYC 2193 and is available to Arts and Science students. This has proved very popular as all the spaces filled within a few hours of enrolment opening; we look forward with great interest to hearing students’ responses.

### **ACADIA UNIVERSITY ART GALLERY**

The Acadia University Gallery presents robust exhibition and outreach programming on a year-round basis. Exhibit and events provoke critical dialogue and demonstrate how university galleries form an integral part to the academic experience. For example, the exhibit the *ReDress Project* in Fall 2015, presented, for the first time the work by a contemporary First Nations Artist. The installation drew attention to missing and murdered Aboriginal women across Canada. Outreach programming initiatives extended from class visits, hands-on art learning experiences in our education studio, to collaborations, such as working with students in a history course to study our collection of Asian silk badges. Outreach was also extended in wider community with a series of talks, art workshops, roundtables and community collaborations. We also continue to research and build on the permanent collection of art.

Dr. Laurie Dalton, the Gallery Director/Curator through her research, teaching and service continues to contribute to the field. Again this year the gallery was successful in grants at the federal and provincial level. Dalton also serves and contributes to committees related to culture: as a member of the Creative Nova Scotia Leadership Council, which is appointed by Communities, Culture and Heritage minister Tony Ince. The Council works on making policy recommendations and reports to the government on culture in Nova Scotia. Dalton also sits on the Town of Wolfville Public Art Committee that oversees policy and planning for public art in the town and was



recently appointed to the Board of Directors to the Lieutenant Governor of Nova Scotia Masterworks Awards.

### **Exhibitions Listing**

#### *Capture 2014: Nova Scotia Realism - May 2 – June 28, 2015*

Initiated by PLANS, *Capture 2014* first opened at Dalhousie Art Gallery, the exhibition then toured across Nova Scotia. The works in the abridged, touring exhibition are organized into several different categories and genres based on the concept of “capturing” experience, place or ideas through modes of Realism. Realism’s long, sometimes uneasy relationship with contemporary art making practices has often seen its proponents at odds with current mainstream or academic modes and genres.

*Capture 2014: Nova Scotian Realism* seeks to dispel common assumptions about the nature of Realist art by presenting recent work by artists who are pushing its boundaries. Above all, the exhibition questions received notions of the status and place of Realism in the contexts of current art practices and contemporary society. Curators: Tom Smart and Peter Dykhuis. Catalogue

#### *Word. Image. Design: Exploring Atlantic Picture Book Illustration in Atlantic Canada - July 9 – August 23, 2015*

This exhibition presents a selection of work by four artists working in picture book illustration in Atlantic Canada: Molly Lamb Bobak (NB), Brenda Jones (PE), Darka Erdelji (NL), and Leonard Paul (NS). The works selected demonstrate the changes in illustration over 30 years, from hand-drawn to digital, from picture book to graphic novel. The installation invites the viewers to explore the process of design and the relationship between word and image at various stages of book production. Curators: Dr. Laurie Dalton and Dr. Andrea Schwenke-Wyile. Catalogue

#### *Jaime Black: The ReDress Project - September 16 – November 29, 2015*

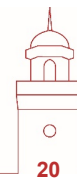
The installation is the result of a long-term project in which the artist has been collecting red dresses to symbolize the bodies of missing and murdered Aboriginal women. The installation was located in the University Art Gallery and involved other areas on campus with small satellite installations of the work, to engage audiences in different contexts and to promote a dialogue around art and activism. It also represents the first time the gallery has presented a solo exhibition of an Aboriginal artist and is the first time the *ReDress Project* has been presented in Atlantic Canada. It is a timely and powerful installation that draws attention to missing and murdered Aboriginal women in Canada.

#### *25<sup>th</sup> Annual Acadia Art Exhibition - January 15 – February 26, 2016*

Annual non-juried exhibition of the visual creativity of our community

#### *Anthony Clementi, Critical Incident - March 4 – April 2, 2016*

The exhibition explores moments of crisis from around the world. The works are both captivating for their baroque and painterly qualities, while at the same time reminding us of the role that the visual plays in the way we come to know, understand, and aestheticize disaster. Works selected for the exhibition range from Syrian refugees



clutching plastic bags that remind the viewer of Western consumption, to migrants on boats in Lesbos, to global health crises such as Ebola & H1N1, to environmental disasters such as Katrina and Sandy.

## **Outreach**

Engagement with both the university and local community is a key focus of the gallery. These events provide another approach in which to engage and interact with our exhibitions. There has been a steady demand for tours and workshops.

*-Class Visits* Many Acadia classes and community groups visited the gallery for tours and hands-on art workshops. For example, there were over 15 scheduled class visits for the *Redress* exhibition. Further, the gallery continues to collaborate with classes on visual literacy and collections-based projects. For example, students in a history class had the opportunity to work hands-on and research with original works of art from our collection of Asian Silks. This culminated in a class project, displays and presentations in the gallery to the public. In addition, the gallery continues to build on community partnerships, such as the Town of Wolfville.

*-Talks & Presentations* A variety of events were held at the gallery this year including artist talks, special departmental events and community receptions, such as WISE (Women in Science). Other Acadia-community events included a roundtable on art in public spaces during the *Redress* exhibit.

*-Art Workshops* This year the gallery continued to present community activities including an exam de-stress program, as well as outreach programs facilitated by student gallery assistants – providing an important way in which undergraduate students build on their learning experiences. Additionally, the gallery helped to facilitate a variety of programming for students and adults including artist led workshops.

## **Permanent Collection**

An important role of the gallery is the stewardship of the permanent collection, which comprises over 2,500 works of art. Continued research of the collection is a key focus of the curatorial work at the gallery, presenting new ways in which to access and interpret works from the permanent collection. In the summer of 2015, a student was hired to assist research on exploring works in the collection in the context of early missionary history at Acadia.

Artworks that contribute to the collection mandate of the gallery are acquired annually. In addition, works from the collection have been included in touring exhibitions, such as Mary Pratt in a nationally touring exhibition coordinated by Art Gallery of Nova Scotia, and Lucy Jarvis in an exhibition coordinated by Beaverbrook Art Gallery. The gallery also worked on two permanent collection projects to be exhibited in summer of 2016; 'In Sequence' and 'I came for the view.'

## **Grants**

Fundraising for the gallery, in the form of gallery memberships, private donations and



grants is a crucial component to the continued sustainability of the Acadia University Art Gallery.

The gallery was successful in obtaining the following grants:  
Department of Nova Scotia & Tourism– Presentation Grant/ Redress Project, 2015 YCW Heritage Grant – Hire of Summer Research Student to assist with research on collection.

## **FACULTY OF PROFESSIONAL STUDIES 2017-18**

During the past year, faculty in FPS have been actively involved in scholarship, teaching and service as reflected in the individual reports later in the documents. Students, as well, have been developing their scholarly accomplishments in collaboration with faculty. Highlights of some specific initiatives are summarized below.

### **SIGNIFICANT APPOINTMENTS**

- Dr. Wenxia Guo and Dr. Ryan MacNeil in the School of Business achieved Renewal this year.
- Dr. John Guiney Yallop in the School of Education was promoted to Full Professor.
- Professor Glynis Ross retired from the School of Education in December 2017.
- Dr. Ron Lehr retired from the School of Education in July 2018.
- Dr. Heather Stephens retired from the School of Education in July 2018.
- Dr. Ron Lehr was appointed Professor Emeritus in May 2018.

### **SCHOOL OF BUSINESS**

Dr. Ryan MacNeil of the F.C. Manning School of Business was this year awarded the inaugural *Rath Professorship in Entrepreneurship*. Truro, Nova Scotia businessman and philanthropist Stuart Rath established the fund in 2017 in order to encourage and promote entrepreneurship at Acadia. The professorship, which is among the highest academic awards the University can bestow on a faculty member, focuses on scholarship that is relevant to business strategy and entrepreneurship at both community and global levels. Since joining the business faculty in 2015, MacNeil's focus has been to nurture student interest in entrepreneurship and innovation. To that end, he has developed several unique opportunities for Acadia students to explore their aspirations, including 23 student-developed pop-up ventures, seven prototypes for social impact products and services, 3D printing technology to produce product prototypes and small-batch products, and 24 service-learning projects in partnership with local businesses. The results of MacNeil's teaching are paying dividends. In spring 2017, *Venture for Canada* awarded fellowships to five Acadia business students mentored by MacNeil. From 2,200 applicants to the *Venture for Canada* program from across Canada, only 65 were invited to participate in the final selection round.



In September 2017, the School of Business hosted the 47<sup>th</sup> Annual Atlantic Schools of Business Conference. A total of 105 delegates attended the conference, which included papers in 10 tracks, a doctoral consortium, an undergraduate student case competition, and symposia on: Marijuana Legalization: The “Business” of Development; intersections of higher education & economic development; Tidal Energy Development; the Grape & Wine Sector; and Business Education for Sustainability. Other than the opening reception which was held @ Lightfoot & Wolfville Winery, all events were held in Patterson Hall, including the Awards Dinner on Saturday night. Faculty and student volunteers from the Business School made the Acadia-hosted Conference a resounding success, under the leadership of Dr. Donna Sears who served as Conference Chair.

### **DEPARTMENT OF COMMUNITY DEVELOPMENT**

The Masters of Recreation Management underwent a program review in early winter 2018, a review requested by MPHEC in response to a request from the Department to change the name of the degree to a Master in Community Development. The review team, composed of University of Alberta and Mount Allison faculty as well as two faculty members from Acadia, not only supported the proposed name change, but made a point of noting the excellence of the graduate programs, the dedication of faculty and students to both the undergraduate and graduate programs, and the manner in which the work of the Department epitomizes the Acadia mission of offering an excellent personalized education characterized by extensive engagement with community.

The Community Development Core Term, a unique block course experience for North America, continues to serve as the capstone experience for graduating students in the program. As part of this experience, Dr. John Colton supervised a group of graduating students who worked with a village producing fair trade coffee in the Andes of Peru. Prof. Robin Campbell, a highly experienced international experience practitioner provided the on-site leadership. Dr. Roxanne Seaman, on the occasion of the fortieth anniversary of the S.M.I.L.E program, worked with students in developing a number of special events associated with that celebration. Dr. Alan Warner worked with students producing promotional videos for five non-for-profit agencies in the region.

### **SCHOOL OF EDUCATION**

The School of Education completed its Bachelor of Education Self-Study Report in June 2018. The Report, which went to the Director of Teacher Education at the Department of Education and Early Childhood Development, is the first step in the provincial B.Ed. accreditation process slated to unfold beginning in fall 2018 and overseen by MPHEC. An accreditation team composed of two teacher educators from outside the region, two professional personnel from DEECD, and educators from two regional centre offices will be visiting the School and University this fall, in order to carry out the data-gathering component of the program review.

### **SCHOOL OF KINESIOLOGY**



Kinesiology faculty and students distinguished themselves in both scholarship and contributions to the larger community this year. During the Annual Canadian Athletic Therapists Association in Quebec City at the end of May Dr. Colin King received the award for Best Research Article, Matt Miller, Certified Athletic Therapist, PhD candidate at Concordia and former KINE/SIAM student won the award for Best Review Paper, and Hailey Wilkerson, who graduated from the KINE program in May, delivered one of the eight selected podium research presentations. She was the only undergraduate student selected to present, all the others being Masters' students, PhD candidates, and post-docs. Dr. Jason Holt gave the keynote address at this year's Atlantic Undergraduate Philosophy Conference at the University of Prince Edward Island (March 9-10, 2018). Dr. Jonathon Fowles was asked to give one of three invited talks at the provincial Physical Activity stakeholder summit March 7 for ministers of Health, CMO, DOHW, lieutenant governor and others to develop a N.S. "Let's get moving strategy".

### **FACULTY OF PROFESSIONAL STUDIES (2016-17)**

During the past year, faculty in FPS have been actively involved in scholarship, teaching and service as reflected in the individual reports later in the documents. Students, as well, have been developing their scholarly accomplishments in collaboration with faculty. Highlights of some specific initiatives are summarized below.

### **SIGNIFICANT APPOINTMENTS**

Dr. Said Mekary of the School of Kinesiology achieved Renewal this year.

### **SCHOOL OF BUSINESS**

The School of Business was awarded new endowed professorship through an extraordinary gift to the University from Truro businessman and philanthropist Stuart Rath. The endowment will provide substantial direct support to the incumbent as well as an annual research stipend. The professorship will benefit Acadia students through the sharing of knowledge from expert faculty, research opportunities, and support for direct engagement with the business community.

School of Business faculty member Prof. Ryan MacNeil and Honours BBA student Samantha Sproule worked together last year to design and implement a living-learning community (LLC) around entrepreneurship at Acadia for this academic year. This pilot project, called *Entrepreneurs-in-Residence*, is modelled on living-learning communities increasingly found at universities and colleges across North America. MacNeil and Sproule have carefully designed a made-for-Acadia project, which represents the first entrepreneurship LLC in Atlantic Canada. The project, funded in part through a Harrison McCain Emerging Scholars Grant, is designed to provide students with an opportunity to learn about entrepreneurship through frequent out-of-class interaction with peers and faculty. It will also provide a rich learning and research opportunity for participants, including research into the design, implementation, and evaluation of an entrepreneurship LLC, allowing student and faculty researchers to evaluate opportunities for further Acadia-designed LLC programming on campus.





## **SCHOOL OF EDUCATION**

Dr. Cynthia Bruce and Dr. Betsy Jardine received their Ph.D.'s in Educational Studies at the May 2017 convocation. They are the first two Acadia University Ph.D. graduates.

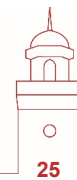
The School of Education is continuing a project begun in September 2016 through which B.Ed. students from Acadia work with Mi'kmaq students in a variety of capacities in the four western Mi'kmaq communities. Offered in partnership with Mi'kmaw Kina'matnewey and the Directors of Education from the four communities involved, last year the project involved several B.Ed. students in working with Mi'kmaq students in educational support settings in their home communities as part of the B.E. practicum. The B.Ed students then "follow" their Mi'kmaq students into their schools, participating schools being: Clark Rutherford, Annapolis West Education Centre, Cambridge Elementary, Central Kings Middle and High Schools, L. E. Shaw Elementary, and Hantsport Elementary/Middle School. Our MK and Mi'kmaq Director partners are very pleased with the project and eager to continue and expand it this year.

A number of Education students were recognized for outstanding work both within the University and beyond this year. M.Ed. students Kimberley Good, Tyler Hall, and C. Denise Landry were all nominated by their thesis committees for the 2017 Governor General's Gold Medal; Tyler Hall received the Canadian Arts Researchers and Teachers Society (ARTS) 2016 Masters' Thesis Graduate Award at the annual Canadian Society for the Study of Education conference in Toronto this spring.

Dr. Ron Lehr received an Honorary Life Membership award from the Canadian Counselling and Psychotherapy Association at their annual spring conference this year. This was awarded in recognition of Dr. Lehr's contributions over a number of decades as a Director, President-Elect, President, Past President, President Emeritus, Ethics Committee Chair, member of the Ethics Appeal Committee, author and editor of an ethics text (two editions), and accreditation site visitor. Dr. Lehr also worked to reconnect with indigenous colleagues through establishment of a Board position and helped to revise the CCPA Standards of Practice in 2015.

## **SCHOOL OF KINESIOLOGY**

The School of Kinesiology has been recognized in a number of ways this year for its extensive contributions to the Valley community and beyond in terms of developing active living and healthy lifestyles. The School has received an \$8,000 grant from the Eastern Kings Memorial Health Foundation to support Kinesiologist referral at the Wolfville Professional through the Centre of Lifestyle Studies (CoLS) for the upcoming year. Administrative assistant Kim Vaughan and emerita and current faculty members Drs. Wendy Bedingfield and Roxanne Seaman all received prestigious Women Active Nova Scotia Trendsetter Awards for their work in enriching the lives of women and girls throughout Nova Scotia and beyond.



A number of Kinesiology students have been recognized for significant engagement and accomplishment in undergraduate research and scholarship this year. Dr Jonathon Fowles' honours student, Myles O'Brien, received the national CCUPEKA award at graduation, and also the Nova Scotia Health Research Scotia Scholars Award (\$5,000) and a Nova Scotia Graduate Scholarship (\$20,000) to pursue graduate work at Dalhousie University. Faculty have been active in involving students in research and publication activities as well: Dr. Robert Pitter and his former honours student, Jacqueline Yeldon, published a paper entitled "Making Sense of Pain in Boys Competitive Minor Ice Hockey" in a special issue of *Boyhood Studies* in the spring. Drs. Chris Shields and Jonathon Fowles published two papers with honours student Emily Gray and Myles O'Brien on the Diabetes Toolkit work with the Canadian Diabetes Association, and the Exercise is Medicine Workshop evaluations done with Exercise is Medicine Canada. The papers are published in the *Canadian Journal of Diabetes and Applied Physiology Nutrition and Metabolism*, respectively.

Dr. Jonathon Fowles was one of four recipients across the country of the Lawson Foundation's 60th Anniversary Awards given in recognition of his significant accomplishments through with the Lawson Foundation research. This award comes with a \$100,000 grant for Dr. Fowles' ongoing work in Exercise is Medicine, Kinesiologist integration into health care, and physical activity promotion through the lifespan.

## **DEPARTMENT OF COMMUNITY DEVELOPMENT**

The Department of Community Development continued last year to build on its philosophy and practice of community engagement, research and service, locally, regionally and internationally, achieving an impact greater than its size of approximately 100 majors. First-year students once again were immersed early last fall in team and community building under the leadership of Prof. Scott Hennigar (School of Kinesiology) using Acadia's excellent High Ropes Adventure Course. A first-year community analysis experience, led by Prof. Mary Sweatman, built upon this in the winter term in cooperation with the Town of Kentville. Its purpose was to assess youth services and needs, and results were presented to members of the Town Council and senior municipal managers.

Third year Community Development students last year implemented three World Cafés, supervised by part-time professor, Prof. Ann Stieger, which was co-led by co-operating community development agencies and our local first nations community. The Cafés, designed and facilitated by students, focused on Regional Economic Development, Local Implications of the Truth and Reconciliation Commission Report, and Social Entrepreneurship. All were well attended by civic leaders, governmental and NGO professionals as well as interested community members.

The Community Development Core Term, which is a unique block course experience for North America, continues to serve as the capstone experience for our graduating students. As part of this experience, Dr. John Colton led a marketing project with the Glooscap First Nations Community, while Prof. Mary Sweatman worked with students



in Windsor on a mentoring program for youth entitled the “Acadia Youth Connection.” Dr. Glyn Bissix led a group of students on a Field Course in the Loch Lomond and the Trossachs National Park in Scotland, working in cooperation with the National Park Authority and the Royal Botanical Gardens, Edinburgh. This was part of a continuing international initiative that includes experiences in India and Peru.

The Department’s year culminated in hosting the Canadian Network for Environmental Education and Communication Annual Conference at Acadia. The conference, led by Dr. Alan Warner, involved 325 delegates from all Canadian Provinces and Territories as well as six foreign nations. At the conference, Dr. Warner, along with his community colleagues, George Taylor (Acadia ’76) and Terri Pearce (Halifax Regional Municipality), were presented with the Outstanding Post-Secondary Education Award of Excellence.

## **FACULTY OF PROFESSIONAL STUDIES 2015-16**

During the past year, faculty in FPS have been actively involved in scholarship, teaching and service as reflected in the individual reports later in the documents. Highlights of some specific initiatives are summarized below.

### **SIGNIFICANT APPOINTMENTS**

Drs. Lynn Aylward, Scott Landry, and Roxanne Seaman were promoted to the rank of Full Professor.

### **SCHOOL OF EDUCATION**

In association with the School of Education Practicum Advisory Committee and the Annapolis Valley Regional School Board, the School of Education has developed a practicum partnership project, led in 2015/16 by Profs Glynis Ross, Matt Rogers and Barb Rushton, in three Valley Schools: Horton District High, Brooklyn Elementary and Gaspereau Elementary. Central purposes of this pilot project are to develop a model for practicum placement that supports interns’ professional growth, as well their efforts to engage actively and fully in the life of the whole school community and engages them from the beginning of their professional lives in the kind of professional learning community that research demonstrates supports and promotes scholarly and professional practice. As project schools work with the faculty member assigned to the school, teachers, student-teachers, and faculty identify needs and undertakings for which the partnership is uniquely positioned to be assistive. At Horton High, for example, rising concern about the lack of resources to support youth mental health has led to a collaborative action research project among partners to examine the effective use of bibliotherapy to support young adults’ healthy social and emotional growth. Through this project, beginning teachers are guided through the process of seeking and applying for grants, the school community has knowledgeable and committed scholarly support in its effort to address an identified need, and a model



of community-sharing around practicum learning is made available to teacher education.

The Access Acadia Inclusive Post-Secondary Education Program Model (developed by Dr. M. Lynn Aylward and soon to be Ph.D. graduate Cynthia Bruce) has been funded for its 4th year by Labour and Advanced Education. Through faculty collaborations MSVU has adopted the Acadia model for the beginning in the 2016-17 academic year. Inclusive Post-Secondary Education programs enable youth with disabilities to become active members of the campus community through participatory audit of classes and involvement in university life.

Acadia's School of Education has embarked on a joint and collaborative project with Mi'kmaw Kina'matnewey and the four western First Nations communities in Nova Scotia (Bear River, Glooscap, Acadia, and Annapolis Valley First Nation). The basic structure of the project is to have a number of Acadia's B.Ed. students work in a variety of ways with the elementary and secondary students from these four communities, engaging in two practica in community schools and working with Mi'kmaw numeracy and literacy interventionists in these schools. This project offers benefit to all stakeholders: the communities develop a more deliberate and structured approach with the School of Education around learning and teaching, and B.Ed. students are provided with a wonderful opportunity to work in and learn about these communities, and to gather first-hand experiential learning about support for indigenous education.

Three School of Education graduate students earned particularly notable distinctions this year: 1) Meaghan Fullerton, a recent M.Ed. Counselling graduate, received the Canadian Counselling and Psychotherapy Association (CCPA) Master's Thesis Award for her thesis related to her work in Nova Scotian Mi'kmaw community; 2) Barrette Plett, a spring M.Ed. Counselling graduate, was awarded the Governor General's Gold Medal for his Master's Thesis at the May 2016 Convocation; and Avalon Moore, a current M.Ed. Counselling student, received a SSHRC CGS Masters award in the amount of \$17,500.

### **SCHOOL OF KINESIOLOGY**

Roxanne Seaman has obtained a Licensing Agreement for S.M.I.L.E. and has successfully established a partnership with U of T, where they are now implementing the S.M.I.L.E. program with the help of two former Acadia Kine students who are both doing their Masters of Professional Kinesiology at U of T. Funding was secured for the first phase of the Snoezelen Room and this phase has been completed.

The John MacIntyre mLAB (motion Laboratory of Applied Biomechanics) is now fully operational and the lab was featured on national television in November of 2015. A four-minute segment was shown on Rogers Sportsnet as part of the Hometown Hockey Celebration hosted by Acadia University.

Dr. Jonathan Fowles was appointed Chair of the Exercise is Medicine Canada (EIMC) National Advisory Council in May 2016. Through his work with EIMC, Dr. Fowles has



delivered over 15 workshops to more than 2,500 health care professionals in the past year, culminating in an invited presentation at the Primary Medicine Conference in Toronto Ontario in May, where he spoke to over 1200 family physicians. Dr. Fowles was also a co-author on three position papers on 'Exercise is Medicine' this year, the most notable of which was recent position stand with the Canadian Academy of Sport and Exercise Medicine published in the *British Journal of Sports Medicine* that has been endorsed by 9 Sports Medicine Societies from around the world.

Two undergraduate honours research students in KINE received external funding from the Nova Scotia Health Research Foundation to conduct their undergraduate honours thesis at Acadia (Sara Drisdelle) and Masters thesis at Dalhousie (Myles O'Brien). Two other students had their work published in a journal (Marissa Yeomans with Jason Holt and Madeline Belding with Ann Dodge). Scott Landry's most recently graduated honours student (Matt Kivell – 2016) presented two papers at a national biomechanics conference in July of 2016.

Chris Shields and Jonathon Fowles were honoured by the Diabetes Care Program of Nova Scotia with a Dedicated Leader Award and continue to give dozens of presentations at regional and national conferences across Canada. Chris Shields was also 1 of 20 invited members on the CIHR Working Group on Health Research Training and was elected President-Elect of the Canadian Society for Psychomotor Learning and Sport Psychology - the largest society of exercise psychology, health psychology, motor control and motor development academics and research trainees in Canada.

## **SCHOOL OF BUSINESS**

As part of his sabbatical leave, Ian Hutchinson has spent time over the summer working in Poland on a World Bank sponsored project to improve the financial reporting infrastructure in Poland, in particular the quality of professional accounting education.

Edith Callaghan spent time in Sweden continuing her work with colleagues at Blekinge Institute of Technology) on a number of research projects in the area of sustainability in the food sector. The research is funded by the Swedish research-funding agency, Vinnova. Part of Edith's work includes supervising Liesel Carlsson, a Lecturer in the School of Nutrition and a Ph.D. candidate at BTH.

Conor Vibert recently travelled to South Africa to work with colleagues Dr. Nicolene Barkhuizen and Dr. Nico Schutte at the Mafikeng Campus of South Africa's North West University. They will be visiting Acadia for a second time to continue their collaborative work with Prof. Vibert's CASENET initiative, expanding the global content of the cloud based, multimedia case teaching resource, and to explore the possibility of a student exchange agreement.

Jun Yang continues to work on the implementation of an agreement with the Capital Normal University (Beijing). The agreement includes a "1+2+1" program whereby CNU students complete the middle 2 years of their degree at Acadia. It also involves a faculty exchange. Thus far, besides Prof. Yang, Prof. Igor Semenenko and Harish



Kapoor have been to CNU as visiting professors (teaching “accelerated” courses similar to our Spring / Summer semester course offerings). Also, to date one colleague from CNU spent a term at Acadia (Dr. Jingyuan Jiang) and another is scheduled to visit Acadia in December (Prof. Tianxiao Chen).

Over the summer of 2016, there was a lot of progress with “finishing touches” on the renovations to Patterson Hall. Most notable was the interior finishing of Room 107, a large classroom on the first floor that will be dedicated to Sheldon Fountain, the founder of the Business School.

## **DEPARTMENT OF COMMUNITY DEVELOPMENT**

The Department of Community moved into its new home at 24 Highland Avenue in early September of this year.

Glyn Bissix organized a “Complete Communities” event in March 2016. Emmanuel Theophilis and Malika Viridi were guests of the Department of Community Development with the support of a McCain Visiting Professor Fellowship in September 2015 to prepare students for their Community Development field course in the Indian Himalayas in April 2017.

## **FACULTY OF PURE AND APPLIED SCIENCE 2015-16**

It has been a very busy and productive year in the Faculty of Pure and Applied Science. A year ago, we saw a large dip in the size of our incoming class and numerous members of the Faculty, including Heads and Directors, worked very hard this year to reverse this situation. We resurrected our Faculty Recruiting Committee in an effort to enhance our collective recruiting efforts. This fall's preliminary enrolment numbers indicate that this year's incoming FPAS class is about 21% higher than last year, and up slightly over the large incoming class from two years ago. While this is excellent news for the University as a whole, it does not come without its share of difficulties. Several of the most popular programs (Biology, Psychology, and Engineering) are bursting at the seams, and this has caused its share of challenges as we adjusted to these increased numbers.

We are fortunate as a faculty to have so many professors who maintain high quality research programs and focus particular attention on including graduate and honours students in their research. We have had very positive results in external grant competitions, including SSHRC and the NSERC Discovery Grant program, despite the difficulties inherent in these programs and their perception of primarily undergraduate institutions. Many of our faculty have been actively pursuing alternative funding sources, and we have had considerable success, including major awards from the ACOA Atlantic Innovation Fund, CFI, the Natural Resources Canada ecoENERGY Innovation Initiative, Canadian Institute of Health Research, and several Productivity and Innovation Vouchers, along with many other industrial research grants.



Student participation in faculty research remains strong, and our students were very successful in representing us at conferences this year; numerous students have garnered awards for their presentations. Our Co-op program remains a thriving one and is a popular discussion topic when recruiting high school students. Participation and placement rates continue to be strong.

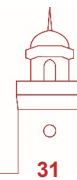
Connecting Science with the Community remains a particular focus of our Faculty. This includes a number of school-based initiatives, science education more broadly interpreted, and community-based research collaborations.

We offer numerous ongoing educational opportunities for high school and middle school students including the Robotics Competition and First Lego League, several Math initiatives, the Huggins High School Seminar, Women in Science and Engineering workshops (*Girls Get WISE*) for female students, and a summer youth environmental education program held at the Morton Centre near Lunenburg. We also have partnerships with the School of Education including dedicated courses of study in Nutrition and Mathematics for current teachers seeking license upgrades. The School of Computer Science will play a key consulting role as the Province introduces computer programming throughout the curriculum.

Faculty continue to be involved in Public Science education through presentations and news interviews, including a TEDx talk by Alice Cohen at the Up for Debate weekend at Bishop's University, presentations by Svetlana Barkanova related to radon awareness in the Atlantic region, and an invited presentation by Rob Raeside at the Blomidon Naturalists Society Annual General Meeting. This past year Matt Lukeman was a Canadian Institute for Chemistry (CIC) "Chemistry Bus" tour speaker, presenting his public lecture entitled "*The Sky is Falling: Separating Fact from Fiction in our Chemical World*" at numerous locations around the Atlantic region.

Research with community partners is also thriving. Aside from our dedicated focus on Environmental research, this also includes partnerships with NS Health, Annapolis Valley Health, Halifax Water, Nova Scotia Lands, the Department of Natural Resources, Kejimikujik National Park, Landmark East School, the Kentville Agricultural Research Centre, the Acadia Community Farm and other local Agricultural groups, to name a few organizations. Many of these collaborations and initiatives involve our research centres, including the Acadia Institute for Data Analytics (AIDA), the Center for Analytical Research on the Environment (CARE), the Acadia Centre for Estuarine Research (ACER), the Centre for the Sensory Research of Food (CSRF), the Acadia Tidal Energy Institute (ATEI), and the new Atlantic Wine Institute (AWI).

With the recent announcement of the Elliott Hall and Huggins Science Hall renovations this coming year promises to be an exciting one for Acadia Science. There will certainly be a number of challenges as construction progresses, but these wonderful new facilities will provide a substantial foundation for future science and innovation at Acadia.



## **DEPARTMENT OF BIOLOGY**

The Department of Biology has enjoyed another successful year in terms of student and faculty research, published papers and conference presentations. We started in September 2016 with approximately 130 new first year biology majors; this made our undergraduate enrolment approximately 454. Our fulltime graduate (MSc) enrolment in September 2016 was 32. At Spring Convocation, we graduated 49 undergraduate (21 BScH and 28 BSc) and 5 graduate students. Dr. Redden successfully applied for promotion to Full Professor this past year.

## **DEPARTMENT OF CHEMISTRY**

Dr. Anthony Tong secured \$488k in funding to establish the Atlantic Wine Analysis Lab at Acadia and received more than \$100k in other research funding. Two of Dr. Sherri McFarland's students won awards for their presentations at the 2016 Science Atlantic Chemistry Conference. Dr. Bobby Ellis was the recipient of an Acadia Students Union teaching award. Dr. Matthew Lukeman was named the first annual Canadian Institute of Chemistry Maritime Section "Chemistry Bus" tour speaker and spoke about 'chemophobia' at ten locations throughout the Maritimes. Ashley Parsons, Dr. John Murimboh, and Dr. Matthew Lukeman delivered approximately 20 chemistry 'magic shows' to local school and community groups.

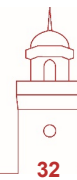
## **DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCE**

The 2015-2016 year has been one of continued growth in student numbers in Earth and Environmental Science, we had over 150 majors in 3 programs which represents continued increases in student enrollment since 2010.

Our faculty continues to be very actively engaged in research and service. In the past year we collectively published 23 papers, 4 books and book chapters and gave 19 conference presentations. We are collectively supervising and co-supervising 3 PDF, 4 Ph. D., 14 M.Sc. and 10 B.Sc. students. Our students present their research at international conferences, in the past year students have presented in France, Morocco, New York (USA).

We presently have 7 students who have received Arthur Irving Academy Scholarships in Environmental Science, three new awards were presented to Environmental Science students in April 2016. These scholarships are among the most prestigious awards in Canada and offer financial assistance as well as mentorship and research project options to Irving Scholars within our program.

E&ES faculty presently hold 3 NSERC Discovery grants (S. Barr, N. O'Driscoll, P. Pufahl), 1 NSERC Discovery Development Grant (I. Spooner) and one SSHRC Small Institutions Grant (A. Cohen). Industry funding continues to provide support for both faculty and student research. I. Spooner has also been successful in securing NSERC-ENGAGE funding which foster the development of new industry-academic research partnerships by supporting short-term research and development projects. We have also been successful obtaining Acadia 25.55 support. Our undergraduate students continue to be very active in conferences, field trips and other opportunities.





In 2016, Acadia E&ES students received awards at student conferences and were successful in gaining considerable conference travel support. Honours student Katie McCulloch was the winner of the Science Atlantic Best Paper Award at the recent AUGC held at St. Mary's University on 22-24 October. We are also very pleased that our students have received financial support from the Society of Economic Geologists Canadian Foundation and the Canadian Mineral Industry Education foundation.

We had a successful first year for Dr. Pufahl's Carbonate Sedimentology Field School in Bermuda. Eleven Acadia students learned about the geology of petroleum systems and exercises in Nova Scotia and Bermuda focused on interpreting depositional environments, limestone chemist, and reservoir development. Dr. Peir Pufahl was successful in his CFI grant application to facilitate an internationally significant lab focused on research in chemical sediments. Dr. Pufahl received an award totaling \$502,000. We anticipate that this lab will be constructed in early 2017.

### **Awards to E&ES Faculty**

Professors in Acadia Earth and Environmental Science were recognized for academic and service achievement in 2015-16. Dr. Rob Raeside was awarded the FPAS Service Award. In the time that Rob has been at Acadia, Rob served as Department Head for 15 years, even simultaneously serving as Acting Head of Chemistry for a year. As well as being a dedicated teacher and mentor, Rob has been by turns, Secretary and then President of Faculty Council, Chair of Senate, and has served on innumerable committees, often as Chair. Dr. Sandra Barr was awarded the FPAS Researcher – Established Award which is mandated to recognize significant sustained research achievement. Adjunct professor and Honorary Research Associate Dr. Chris White received the Laing Ferguson Award in recognition of his distinguished service to the Atlantic Geoscience Society. Chris is production and business manager for the society's journal, *Atlantic Geology*

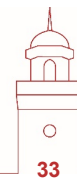
### **Community Engagement and Outreach**

Dr. Sandra Barr was appointed as president of the Canadian Federation of Earth Sciences in Ottawa in April 2016. Dr. Barr also has close collaborative ties with Nova Scotia Department of Natural Resources.

Dr. Alice Cohen gave a TEDx talk at the 2016 annual 'Up For Debate' weekend at Bishop's University in Lennoxville, Quebec, held on 5-6 February. Dr. Cohen is also involved with the Women in Science and Engineering (WISE) initiative at Acadia.

Dr. Ian Spooner has active collaborative research partnerships with Halifax Water, Cape Breton Regional Municipality and Annapolis County focusing on water supply issues. He is a frequent contributor to CBC radio shows.

Dr. Rob Raeside was an invited speaker at the Blomidon Naturalists Society Annual General Meeting, May 2016 and participated in a CTV evening news interview on Earthquakes in Atlantic Canada in August 2015. Dr. Raeside, along with Dr. Cliff



Stanley is also a council member on the Atlantic Geoscience Society and is involved in organizing annual meetings and providing funding for regional geoscience initiatives.

Dr. Nelson O’Driscoll runs the Center for Analytical Research on the Environment (CARE) which provides research and analytical services focused on understanding processes that support healthy ecosystems. He is a primary research collaborator at Kejimikujik National Park.

Significant community outreach continues to take place at The Morton Centre on Heckman’s Island in Lunenburg. The Morton Centre is a 100acre property in which educational programs take place that are jointly administered and funded by the Earth and Environmental Science Program, Bluenose Coastal Action Foundation (BCAF) and Michelin Canada; Dr. Ian Spooner is the Director of the Morton Centre. Our summer environmental education program aimed at Lunenburg Co. youth continues to grow and we have implemented programs for Life Long Learners and community members. The Morton Centre has become the “face of Acadia” on the South Shore of Nova Scotia. The educational programs are fully funded for the next two years and serve as an important Acadia outreach initiative. New partnerships with Sea School and Terra Beata Farms are anticipated in 2017.

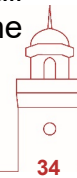
## **DEPARTMENT OF MATHEMATICS AND STATISTICS**

The Department of Mathematics and Statistics had another successful year. We continue to maintain large enrolments in most of our 1000- and 2000-level courses. Our department continues to be engaged in community outreach to local schools. This includes activities both for junior high school students (enrichment sessions exposing these students to topics outside the mainstream curriculum) and for high school students (the local Nova Scotia Math League chapter and Math Circles events). Our outreach is partially supported by a generous grant from the Atlantic Association for Research in the Mathematical Sciences (AARMS).

Our faculty have also continued to attract significant research funding from many sources, including OREA, Natural Resources Canada, Mitacs, ACEnet, ACOA, AARMS and NSERC. This funding helps us to support our students in their own research and contributes to their success. For example, Kody Crowell and Sota Ichiba both won awards for their presentations at the most recent Science Atlantic Mathematics, Statistics, and Computer Science Conference in October of 2015.

## **DEPARTMENT OF PHYSICS**

The Department of Physics had a productive 2015-2016 academic year. We continued to offer a wide variety of courses and maintained a strong honours program. Our graduating students were very successful with several receiving NSERC and other prestigious postgraduate scholarships. The faculty actively pursued research programs in the fields of subatomic and condensed matter physics with 12 articles published in prominent refereed journals and numerous conference presentations. In addition, all members of the department have been involved in significant service to Acadia, the



academic profession and community. Outreach highlights included several presentations by Dr. Barkanova related to radon awareness in the Atlantic region.

## **DEPARTMENT OF PSYCHOLOGY**

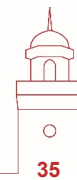
The challenges of maintaining a strong academic department while facing reduced numbers of permanent faculty and increasing student enrollment were met this year by fully engaging in the process of rebuilding our faculty and continuing our commitment to high quality scholarship. Dr. Sonya Major coordinated these efforts, serving her second year as Head of the Psychology Department.

The replacement of faculty began last year with the hiring of Dr. Champod and continued this year with the search for a tenure track faculty member in the areas of social and personality psychology. We are happy to welcome Dr. Joseph Hayes, a social psychologist whose research interests include threat, resilience, and coping. We are equally happy to welcome Dr. Stephanie Jones to the Department. Dr. Jones was hired as the Instructor responsible for teaching the newly created Introductory Psychology laboratory classes for psychology majors. The Department developed a proposal to add these labs to strengthen the quality of learning opportunities available to psychology majors in their first year. We are excited to be able to make this improvement to our program in the upcoming year with the help of Dr. Jones.

Commitment to high quality scholarship by faculty can be demonstrated in many ways. As detailed below, faculty continue to publish and present their research locally, nationally, and internationally, and continue to excel at engaging students with their research programs. Examples of recognition for this work include funding received by Dr. Champod and collaborators from the Nova Scotia Health Authority to study a new treatment for spatial neglect. Dr. Champod also received the Petro Canada Young Innovator Award. Drs. Diane Holmberg, Michael Leiter, and Lisa Price in collaboration with others were awarded one of 20 national Canadian Institutes of Health Research partnership grants to study healthy and productive workplace environments. With respect to teaching, Dr. Randy Lynn Newman received the Faculty of Pure and Applied Science Teaching Award and the Associated Alumni Award for Teaching Excellence.

Students were similarly successful. First year graduate students Jackie Glover and Meg Townsend received Nova Scotia Graduate Student Innovation Awards, and Shea O'Bertos was awarded a Graduate Scholarship from the Social Sciences and Humanities Research Council. Second year student Adria Markovich was also awarded a Graduate Scholarship from the Social Sciences and Humanities Research Council, and Elizabeth Fraser, Natasa Mitrovic, and Patrick Bazinet were awarded funding from the Nova Scotia Health Research Foundation. Patrick Bazinet also received a scholarship from the Canadian Institute for Health Research.

Fifteen undergraduate students completed honours theses including Gabriel Smith who was awarded the University Medal in Psychology and the Chipman Silver Medal, and Lauren Matheson who received the Scotia Scholars Undergraduate Research Award from the NS Health Research Foundation. Several of our incoming honours students



also received awards. Emilie Arbour and Katie Redmond received Honours Summer Research Awards to support their research during the summer months, and Mary Harvey received the Beatrice Spence-Ross Scholarship awarded to students who plan to pursue a career in gerontology.

The ongoing success of the Psychology Department is due in part to the establishment and maintenance of a collaborative research environment involving psychology faculty and students, faculty from other departments and universities, as well as community members, groups, and organizations. All faculty involve students with hands on research experience either in lab classes or through the supervision of undergraduate and graduate theses. In doing so, many students are provided with opportunities to work with and learn from diverse academic and community mentors. As examples, this past year Lauren Matheson and Shea O'Bertos worked with Drs. Diane Holmberg and Chris Shields (Kinesiology), and Annapolis Valley Health to conduct research on support processes in cardiac rehabilitation. Holly Barrs, co-supervised by Drs. Anne Sophie Champod and Darlene Brodeur, and Brianna Fougere supervised by Dr. Brodeur conducted research in co-operation with local schools and preschools examining the development of attention. Dr. Michael Leiter and his students Jacob Zelman, Tammy Wile, and Erin Clahane also engaged with health organizations to study work life and burnout. Additionally, our graduate students completed practica at mental health facilities throughout the province, and Dr. Champod established a collaboration with the Student Resource Centre at Acadia University to supervise cognitive assessments completed by our graduate students at no charge to students registered with Accessible Learning Services, and a collaboration with Landmark East School in Wolfville to provide supervised graduate student assessments to their students with attention and learning problems. Scholarship in the Psychology Department represents an integration of research and teaching that is strengthened by collaboration with the academic and broader community. We look forward to continued success in the upcoming year.

## **JODREY SCHOOL OF COMPUTER SCIENCE**

### **Overview**

In 2015-16, the School made significant progress in increasing and maintaining the enrollment of computer science students at Acadia University. We continue to offer several well-received service courses for the broader population of Acadia students. These courses are increasing in popularity as students in all areas of study become aware of the role that information technology will play in their careers and academic pursuits. The profile of Acadia University and Computer Science continues to be raised with significant outreach events developed by Acadia Robotics (RPC) and Women in Science and Engineering (WISE); such as youth competitions, workshops, school visits, and youth camps. Most significant, Acadia has been singled out to play a significant role in the Department of Education's modifications that will bring Computer Science into the core curriculum of grades P-12. As of the beginning of August, there are 54 new majors registered for the fall (up 10 from last year) and 70 students registered in our core first year programming class. Over the last year the School has continued a strong relationship with the Acadia Institute for Data Analytics (AIDA),



providing talent for a number of data analytics projects and new start-ups. This past spring the School's programs were reviewed by the Computer Science Accreditation Council (CSAC) of Canada. We anticipate a favorable review and helpful curriculum suggestions.

**Summary of notable achievements by faculty and staff are:**

Darcy Benoit – Director of the Jodrey School of Computer Science, IRAP BIAP and Irving Research grants totaling \$100,000. Chosen to be part of Nova Scotia's Department of Education team working on bringing Computer Science into the core curriculum.

Jim Diamond – Coach of the Acadia ACM Programming Team, Acadia Science Atlantic Representative for Computer Science and the Co-chair for the 2016 Science Atlantic Mathematics, Statistics and Computer Science Conference.

Elhadi Shakshuki – 15 new publications, co-editing of four major publications.

Danny Silver, Director of the Acadia Institute of Data Analytics (AIDA), Honorary Colonel RCAF with the 415 Squadron, received the CAIAC Distinguished Service Award for outstanding service to the Canadian Artificial Intelligence community, \$61,000 in research grants, plus \$50,000 in grants to run AIDA.

Andre Trudel – Continues to develop new course material for our important first year courses. External reviewer for an application to full professor from an associate professor at Saint Mary's University.

Cindy Trudel – Very active in promoting Women in Computer Science and more generally working with WISE. Recipient of the Anita Borg Institute: Women Transforming Technology Systems Pass-it-on Award (co-recipient with graduate student Sazia Mahfuz).

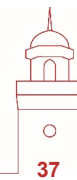
Haiyi Zhang – Three new refereed publications.

All – Numerous outreach activities related to the Robot Programming Competitions.

**SCHOOL OF NUTRITION AND DIETETICS**

The School of Nutrition and Dietetics (SND) is committed to putting 'Food at the Centre of a Nutrition and Dietetics Curriculum' and is engaged in research and community initiatives supportive of food and nutrition in the Annapolis Valley and beyond.

Throughout the curriculum, SND faculty members make an effort to create experiential opportunities to relate student learning to food and nutrition, from local through to international issues. By addressing food and nutrition from a number of perspectives, our intent is that students, and subsequently our graduates, will critically reflect on how they can incorporate food into whatever career they pursue. We continued to amplify the focus on food in the SND in 2015-16. In collaboration with Dr. Brian Wilson (Biology), Dr. Matthew Lukeman (Chemistry), and Dr. Matt McSweeney (SND), we



developed a Consumer Food option for curriculum approval. This option will provide more choices for our students and supports the SND's 'focus on food'.

Building relationships with partners, within the university and in the community, continues to be a focus of the SND program, both through course projects and supporting students to volunteer in the community. The SND continues the connections established in previous years with the Departments of Athletics and the School of Kinesiology related to student learning opportunities and support for varsity teams to improve performance through nutrition. This relationship will strengthen with the addition of Dr. Mojtaba Kaviani to our faculty whose specialty is sports nutrition. The SND continues its links with the Acadia Community Farm with the integration of the farm, its purpose, and operations (and produce) into courses. Faculty members continued collaborations with colleagues in Community Development, the Sustainability Office, Student Affairs, and Chartwells to undertake a *Thrive!* funded project to enhance the availability of healthy and sustainable food on campus. We continue to support the School of Education and Open Acadia in offering courses to a cohort of public school teachers interested in gaining learning experiences to teach Family Studies in junior and senior high school. We also work with community organizations to meet our commitment of 'Food at the Centre', such as the Wolfville Farmers' Market, the Good Food Hub, L'Arche Homefires, Devour Film Festival, the Western Zone of Nova Scotia Health, the Wolfville and Area Food Bank, and the Centre for Small Farms.

The members of the SND continued to enhance opportunities for faculty, partner, and student (including dietetic practicum student) participation in research. The SND Advisory Committee for Research Ethics and Standards (ACRES) continued to support dietetic practicum student research. Another 12 practicum students completed the Senate-approved requirements for an Honours Conversion in 2015-16. ACRES continued to support this cohort as they developed their research proposals, in navigating the new (in 2015) NS Health Authority Research Ethics Board approval process and troubleshooting data collection and analysis. Practicum students presented their research presentations to members of the faculty, preceptors, and community partners in November 2015. Conversations continued about the SND's continued involvement in Science Atlantic Nutrition (<https://scienceatlantic.ca/committees/nutrition/>); Dr. Matt McSweeney is the SND contact to this initiative. This will support the research interests of our students in food, food science and nutrition. Planning began for the Second Biannual School of Nutrition and Dietetics Research Day, *Celebrating Inquiry in Food, Nutrition and Dietetics*, to be held in November 2016. Dr. Ann Fox, Department Head, Nutrition, St. Francis Xavier, will be the keynote speaker.

Sensory evaluation research undertaken in the Centre for the Sensory Research of Food (CSRF) continues to offer opportunities for student involvement in the Sensory Lab and community engagement. In 2015-16, nine students organized and ran projects, one Honours student, and one MSVU MSc student (an Acadia graduate), which, in turn, supported local companies to produce new food products. The CSRF



further collaborated with local food producers by having students in the Food Product Development (NUTR 4733) course use food waste identified by local food companies to create new food products. Members of the campus and local communities are always invited to participate in sensory trials.

The SND made excellent use of 25.56 funds to benefit students and faculty (both in SND and across campus). We had a great and varied group of scholarly presentations that created opportunities for community engagement including:

- 'Who Cares?' – an ethnodrama based on Dr. Catherine Morley's research with family caregivers of older adults with Robert Seale (English and Theatre), Paula Rockwell (Music), and Cheryl McLean (Harrison McCain Visiting Scholar) performing
- Bruce Cogill and Stacia Nordin, speakers for the Sustainable Food Security event
- Lone Jespersen, Maple Leaf Foods – presentations on quality system to prevent foodborne illness
- Support for the 3<sup>rd</sup> Mawio'mi (celebration of Mi'kmaq arts and culture)
- Joshna Maharaj's (chef and sustainable food activist) participation in 'Creating Complete Communities' through a focus on food systems and sustainability, class presentations and a public lecture
- Contribution to Kelly Anne Erdmann's campus visit (on Sports Nutrition)
- To support students in career planning, the 2<sup>nd</sup> Biannual SND Career Fair was held in March 2016. Student organizers, supported by faculty, invited Nutrition graduates working in the local community to participate in a 'meet and greet' style event. To further community engagement and student career planning, we added a webpage to the SND website, *Where are they now: Career stories from graduates* (<http://nutrition.acadiau.ca/alumni.html>) to provide potential and current students with information on career options for graduates with a Bachelor of Science in Nutrition.
- The University Nutrition Review (a partnership with NS Labour and Advanced Education, and the Heads of the three universities with undergraduate degrees in nutrition in Nova Scotia, Acadia University, Mount St. Vincent University, and St. Frances Xavier, was completed in early 2016 and subsequently released by government in May. The purpose was "to discuss and analyze nutrition programs at these institutions with a goal of making recommendations for any improvements that may be identified as necessary for NS to deliver high quality, relevant nutrition programming at the undergraduate level." The report was well received by NSLAE and shared with the NS Department of Health and Wellness for consideration in workforce planning.
- The SND began preparation in 2015-16 for accreditation (site visit anticipated for Fall 2017). Preparations include assessing the Acadia undergraduate and dietetic practicum curricula against the national entry-to-practice competencies for dietitians, and the national accreditation standards developed by the Partnership for Dietetic Education and Practice.



## FACULTY OF THEOLOGY – ACADIA DIVINITY COLLEGE 2017-18

Acadia Divinity College (ADC) offers courses leading to the Bachelor of Theology (BTh), Master of Divinity (MDiv), Master of Arts (Theology) (MA), and Doctor of Ministry (DMin) degrees in order to equip students from a variety of denominations for leadership in church and society.

### NEW FACULTY

In November 2017, Rev. Dr. Matthew Walsh was appointed to the faculty of ADC as Assistant Professor of Biblical Studies. Dr. Walsh had served as Lecturer in Biblical Studies since July 2016, and he is a two-time graduate of Acadia University.

On August 20, we welcomed two new faculty: Dr. Melody Maxwell as the Associate Professor of Church History, and Rev. Dr. Spencer Boersma as Assistant Professor of Theology. Dr. Maxwell served as Assistant Professor of Christian Studies at Howard Payne University between 2013 and 2018. Her research interests include Baptist history, religion and gender, Global Baptists, world Christianity, Baptist missions as well as women in ministry. Melody earned her PhD from the International Baptist Theological Seminary in Czech Republic. Rev. Dr. Boersma served as Lead Pastor of First Baptist Church in Sudbury, Ontario, and as Assistant Chaplain and part-time faculty member at Thorneloe University, since 2013. He earned his ThD from Wycliffe College, University of Toronto. His research interests include narrative theology, Baptist identity, theological methodology, and systematic theology.

### Commissioning and Promotions

On November 15, 2017, the faculty of Acadia Divinity College declared their commitment to their ministry and academic calling with members of the Acadia Divinity College Board of Trustees and the Acadia University community as witnesses. They were commissioned to take their places, individually and together, as the Faculty of Theology of Acadia Divinity College and Acadia University. It was very fitting that the Commissioning Service took place on Founders' Day, the anniversary of the day in 1838 when the Nova Scotia Baptist Education Society formally approved the establishment of an institution of higher learning where all people would be free to work and study.

Dr. Robert Wilson was also appointed to the rank of Senior Professor in the Thomas James Armstrong Memorial Professorship of Church History. Rev. Dr. Anna Robbins and Rev. Dr. Stuart Blythe were installed as the occupant of the Dr. Millard R. Cherry Chair of Theology, Ethics and Culture and the occupant of the John Gladstone Chair of Preaching and Worship respectively.

On July 1, 2018, Rev. Dr. H. Daniel Zacharias was promoted to the rank of Associate Professor of New Testament Studies.





## Retirements

Rev. Dr. Carol Anne Janzen retired from ADC in May 2018. Her teaching was focused on Christian Education and Discipleship, her dedication to students was exemplary as Dean of Students and as Director of Mentored Ministry, and she led the Charles J. Taylor Centre for Chaplaincy and Spiritual Care.

In June 2018, Dr. Bob Wilson completed his tenure at Acadia Divinity College. Bob served the College community devotedly for 27 years. During his time at ADC, he served as Director of the Master of Arts (Theology) program, Director of Continuing Education, Associate Dean/Academic Dean, and as Interim President in 2007. Although Bob formally retired in 2010, he continued to serve as the Thomas James Armstrong Memorial Senior Professor of Practical Theology and Church History until 2018.

At the May 2018 meeting of the ADC Board of Trustees, Rev. Dr. Harry G. Gardner announced his intention to retire on June 30, 2019. He has served as the 6<sup>th</sup> President of Acadia Divinity College and Dean of Theology of Acadia University since January 2008. Dr. Gardner is also the occupant of the Abner J. Langley and Harold L. Mitton Chair of Church Leadership.

## Student Recruitment

Catherine Cole, our new Manager of Recruitment and Admissions, is giving excellent leadership and is making important contacts with potential students. We have also had very helpful meetings with Acadia University personnel to identify ways that the application process can be improved.

## AFFILIATED COLLEGES

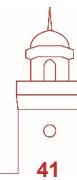
### La Faculté de Théologie Évangélique (FTÉ)

Following a visit to Wolfville last spring by the leadership of La Faculté de Théologie Évangélique (FTÉ), our affiliated seminary in Montréal, very helpful meetings were held in Montréal in August 2017 and again in January 2018 about issues of governance, financial challenges, and the academic program at FTÉ.

The academic dean of FTÉ, Dr. Meine Veldman, visited ADC during the Hayward Lectures in October 2017, and the President, Rev. Jeff Laurin, gave the second evening lecture during the Simpson Lectures in February 2018. Letters of commendation have been sent to the Québec Minister of Education by both Dr. Gardner on behalf of ADC and by Dr. Ricketts on behalf of Acadia University indicating support of the renewal of the relationship between our institutions.

At the request of FTÉ, we are actively considering the possibility of offering English courses in Montréal; in conjunction with our current online courses, it could be possible for English students in Montréal to complete either the Bachelor of Theology or the Master of Divinity degree. Both FTÉ and the French Baptist Union have urged us to proceed, but there are several issues to be resolved first.

We are also working toward the possibility of offering a Wolfville-based Doctor of



Ministry program in French in conjunction with FTÉ. Several FTÉ alumni have expressed interest in such a degree.

### **Bethel Bible Seminary, Hong Kong**

Regarding Bethel Bible Seminary, our affiliated seminary in Hong Kong, the Associate Dean, Dr. Stephen McMullin, had the privilege of serving as the speaker at the graduation ceremony in November 2017 when Acadia University degrees were awarded. He also taught a one-week intensive evangelism course, which provided many opportunities to meet with students and to talk with faculty and board members. He continues to work with Dr. Miriam Chow who serves as Associate Dean at Bethel; she is a recent graduate of the Acadia Doctor of Ministry program.

ADC also affirms the Clinical Pastoral Education (CPE) Training at the Queen Elizabeth Hospital in Hong Kong; at some point, there will be an assessment of the Chaplaincy Institute to determine if ADC will continue its affirmation.

## **PARTNERSHIPS**

### **Acadia hosted 15<sup>th</sup> Annual NAIITS Symposium**

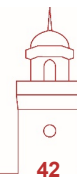
Since 2015, Acadia Divinity College has partnered with the *NAIITS: An Indigenous Learning Community* to offer an Acadia Master of Arts (Theology) with a specialization in Indigenous Community Development. On May 14, 2017, David Skene became the first graduate of the Master of Arts (Theology) in Indigenous Community Development, a program almost entirely indigenously taught by NAIITS scholars.

On June 7-9, 2018, Acadia University hosted the 15<sup>th</sup> Annual NAIITS Symposium, entitled “White Supremacy, Racial Conflict, and Indigeneity: Towards Right Relationship”. Acadia was privileged to host the Symposium for the first time, and Dr. Terry LeBlanc, Director of NAIITS and a Mi’kmaq-Acadian, welcomed participants to Mi’kma’ki, the traditional territory of the Mi’kmaq people. The Symposium was one of the largest attended in its history, with approximately 180 registrants and many special guests. The presenters represented well the composition of the community, with a wide range of denominational affiliations and diverse countries. With the recent establishment of a NAIITS partnership with Whitley College in Melbourne, Australia, the Symposium was enriched by visitors and presenters from Australia and New Zealand.

### **Crandall-Acadia Bachelor of Theology Partnership**

A five-year renewal of the Articulation Agreement has been signed between Acadia Divinity College, Acadia University, and Crandall University that allows for an Acadia Bachelor of Theology degree to be taken concurrently with an undergraduate degree at Crandall. It is our hope that this innovative partnership will increase the number of Crandall University graduates who choose to pursue a Master of Divinity (MDiv) degree at ADC.

The first graduates of this Partnership graduated this past spring; three of those graduates have enrolled in the MDiv for this fall—this is very encouraging.



## LECTURE SERIES

### Hayward Lectures

The College's annual Hayward Lectures took place October 16-18, 2017, at Acadia University. Dr. Oliver O'Donovan, Professor Emeritus of Christian Ethics and Practical Theology of the University of Edinburgh, presented three lectures on the topic of "Religion Without Morality?".

### Simpson Lectures

Simpson Lectures were held on February 12-14, 2018, at the Sheldon L. Fountain Learning Commons on the topic of *Evangelism*. The Lectures featured three speakers: Rev. Kevin Vincent – Evangelism in Atlantic Canada Today, Rev. Jeff Laurin – Evangelism in French Canada Today, and Dr. Stuart Blythe – Perspective from the Other Side.

## CURRICULUM

### Changes

The College's curriculum committee has worked very diligently to update aspects of curriculum.

The Committee made recommendations to faculty that would expand the importance of preaching and worship courses in the curriculum while also making it easier for students to choose Pastoral Care and Counselling courses as electives. These changes were made considering the appointment last year of Dr. Stuart Blythe to the Gladstone Chair of Preaching and Worship, and the appointment of Dr. Dorothy Hunse to teach Pastoral Care.

Also, at the initiative of Rev. Renée Embree, the Youth and Young Adult Ministry program was re-named "Next Generation Ministry" with new courses added in the areas of children's ministry and camping ministry.

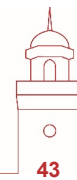
These changes, along with several policy clarifications, were approved by faculty and by the ADC Senate and Acadia University Senate this spring. Considering the need to continue to adapt to the changing needs of our churches, the faculty has also requested that we embark on a major curriculum review in 2019.

### Exemption of Residency Requirement

The Association of Theological Schools (ATS), our accrediting body, has approved our application to be exempt from the residency requirement for the Master of Divinity degree. Previously, students must take at least ten courses at the Wolfville campus. However, with an increasing number of students living at a distance (especially in New Brunswick), with the possibility of English students in Montréal, and with the increasing number of online students, an exemption from the residency requirement will allow us more flexibility.

### Comprehensive Evaluation Visit

We are beginning to prepare for our ten-year ATS comprehensive evaluation visit,



which we have been informed will take place between March 15 and March 18, 2021. This visit will require considerable preparation. As part of that preparation, the faculty continues to engage in program assessment twice a year.

## FUNDRAISING INITIATIVES

### Four Strategic Priorities

The 2018-2019 academic year marks the 50th anniversary of Acadia Divinity College. While the work of preparing individuals for Christian ministry dates back 180 years to the founding of Acadia University, the College as we know it today was formed in 1968.

This year is also the final year of our *Now, More Than Ever: Four Strategic Priorities* - a fundraising initiative to refurbish the College building, increase endowments for key academic chairs, increase student scholarships and bursaries, and secure an endowment for a Centre for Christian Faith and Culture. Each priority confirms the vital role of the College in Canada's spiritual life and its contributions to global ministry.

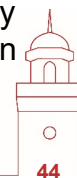
We have experienced much success since its launch. Since August 2014, the College has raised more than \$4 million towards these priorities, including the first fully endowed academic chair of Acadia Divinity College, The John Gladstone Chair of Preaching and Worship through the generous support of The W. Garfield Weston Foundation together with the Atlantic Baptist Foundation and individual donors in four Canadian provinces.

### Restoration of the College Building

Acadia Divinity College was advised in 2013 that the College building was deteriorating and needed significant restoration to keep it structurally sound. We embarked on a fundraising campaign to raise the \$1.5 million required for this project. By the end of 2017, being blessed by several significant gifts, we had almost reached the half-way mark of our fundraising goal.

Then we received some unexpected news. In November 2017, architect and construction reports showed that interior upgrades are required to meet more stringent fire and life safety codes, enhance accessibility for persons with physical disabilities, and improve interior air quality. These requirements were unanticipated when we received the first report five years ago. The expanded scope of the refurbishment has significantly increased the cost of the project; the new projected total budget estimate is \$2.3 million.

Having a strong home base is critical to the work of the College. We need to undertake this work to have a suitable and adequate facility for training the next generation for ministry. At its meeting on January 15, 2018, the Board of Trustees carefully considered all options, noted the improvements in the safety and work environment that the interior work will create, and made the unanimous decision to complete both the exterior repair and the interior renovation. Douglas Schofield, Chair, Acadia Divinity College Board of Trustees noted, "The Board is confident that this decision will result in an excellent facility that will serve well and provide a comfortable environment for



learning.”

Construction began in early May. During the extensive renovations, classes are being held in buildings throughout the Acadia University campus. Faculty, staff and ADC offices have moved to a temporary home in Willett House, located across University Avenue from the K.C. Irving Environmental Science Centre. While we look forward to our return to the renovated College building, we are grateful to the University for providing a location that will allow us to work together in the same facility during construction.

### **FINANCIAL POSITION OF THE COLLEGE**

In September, the Board of Trustees received the audited financial statements reporting a small operating surplus for the College year ending March 31, 2018. The College does not have an accumulated debt at close of the fiscal year. In January 2018, the Board of Trustees authorized the refurbishment of the Acadia Divinity College building, providing direction to the management team to arrange financing so that the project could be started in May.

### **CONCLUSION**

Acadia Divinity College appreciates its relationship with Acadia University as its Faculty of Theology as well as the opportunities for integration and participation in wider campus life.

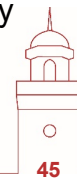
## **FACULTY OF THEOLOGY – ACADIA DIVINITY COLLEGE 2015-16**

Acadia Divinity College (ADC) offers courses leading to the Bachelor of Theology (BTh), Master of Divinity (MDiv), Master of Arts (Theology) (MA), and Doctor of Ministry (DMin) degrees in order to equip students from more than 20 denominations for leadership in church and society.

### **New Courses / Developments**

During the past year, the curriculum committee of Acadia Divinity College completed an evaluation of undergraduate course syllabi at Kingswood University in Sussex, New Brunswick, and the two institutions subsequently signed a Memorandum of Understanding that will make it more attractive for Kingswood graduates to enter the Master of Divinity degree program, including opportunities for advanced standing. In light of that agreement, and as recommended by the curriculum committee, ADC now also provides advanced standing in a very limited number of courses for Acadia Bachelor of Theology graduates who enrol in the Master of Divinity degree program.

Two master-level courses were offered in the past year as the beginning of the ADC Go course initiative; four additional online courses will be offered in the coming academic year with the intention that we will reach new students in a variety of geographic locations within and beyond the Maritimes. The ADC-designed combination of video lectures with online discussions has been well received by faculty and students. We will be carefully evaluating online initiatives for course delivery to



make certain that our courses are more widely accessible without in any way sacrificing the quality or rigour of the course content.

The new Andrew D. MacRae Centre for Christian Faith and Culture was launched during the annual Simpson Lectures on February 9, 2016. It was named for Andrew D. MacRae in honour of his valuable leadership as the 4th Principal of Acadia Divinity College and in recognition of his lifelong commitment to evangelism and mission. The MacRae Centre will be an integral part of the work of Acadia Divinity College, preparing students and church leaders to think deeply on matters of faith and witness.

ADC stewards the relationship of Acadia University to four affiliated colleges: two in Nigeria, one in Montréal, and one in Hong Kong. There was a visit to Acadia in March 2016 by three officials from Christ International Divinity College (CINDICO), one of the two Nigerian colleges.

At its annual assembly in August 2016, our denominational body approved a newly developed ADC certificate program for the training of lay leaders. The “Certificate in Lay Leadership” will replace a lay pastor training program that in the past had been administered and delivered directly by the denomination. The change demonstrates the confidence of the Canadian Baptists of Atlantic Canada in Acadia Divinity College as its centre for training ministry leaders and practitioners.

This fall, a newly designed internal process for course assessment will be instituted at the College. The plan has been accepted by our accrediting body, the Association of Theological Schools in the United States and Canada.

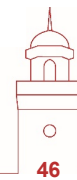
We anticipate that searches will commence soon for two new full-time faculty positions in the Practice of Ministry – one in the area of Preaching and Worship and the other focusing on Pastoral Care.

We are pleased that our fall intake of students is considerably higher than in recent years, making this year’s enrolment at the Divinity College the highest it has ever been.

### **First Endowed Academic Chair at Acadia Divinity College**

In early November 2014, there was slightly over one million dollars endowed in the John Gladstone Chair of Preaching and Worship. Since then The W. Garfield Weston Foundation made a gift of \$500,000 and offered an additional \$500,000 as a “challenge grant” to match any other gifts to the Gladstone Chair, on a dollar-for-dollar basis made or pledged before the end of 2015.

As of December 31, 2015, ADC received \$404,800 in gifts and \$95,400 in pledges for 2016 and 2017 towards the Weston Foundation “Challenge Grant”. These gifts and pledges from more than 50 donors in 4 Canadian provinces, along with The W. Garfield Weston Foundation’s matching grant, has resulted in the first fully endowed academic chair of Acadia Divinity College.



## **Naming of the Acadia Divinity College Chapel**

On August 8, 2016, Dr. Harry Gardner officiated at the Service of Dedication and Naming for The Sarah Daley Nickerson Chapel. This event was in response to a memorial gift by Dr. Granville H. Nickerson, Sarah's father, Acadia Class of 1942, and a native of Nova Scotia.

## **Faculty Achievements**

Our faculty members continue to speak widely and publish, in addition to fulfilling heavy teaching and supervisory responsibilities.

Dr. William H. Brackney chaired the 17<sup>th</sup> Believers' Church Conference in Wolfville this past June in his role as Director of the Acadia Centre for Baptist and Anabaptist Studies (ACBAS). He continues in service as President of the Canadian Bible Society.

In June 2016, Dr. Harry G. Gardner, Dean of Theology, was appointed as the Chair to the Board of Commissioners of the Association of Theological Schools in the United States and Canada.

Dr. Stephen D. McMullin achieved tenure in May 2016 and was appointed Academic Dean for a three-year term. He delivered a paper at the Eastern Sociological Society meeting in Boston, provided guest lectures at Crandall University, and taught an upper-level course at the University of New Brunswick where he was appointed as an Honorary Research Associate by the school of graduate studies. He continues as Sheldon and Marjorie Fountain Associate Professor of Evangelism and Mission, as Director of ADC-New Brunswick, and as Director of the Simpson Lectures.

Dr. John H. McNally has been appointed as Assistant Professor of Practical Theology for a five-year term. He will continue to serve as the Program Director of the Doctor of Ministry Program.

Dr. Anna M. Robbins was appointed as Vice-President for a three-year term. Previously, she served as Academic Dean between August 2012, when she joined the College, and June 2016. Anna will continue to serve as the Associate Professor of Theology, Culture and Ethics as well as the Director of Doctoral Studies. In early February 2016, Anna became the inaugural Director of the Andrew D. MacRae Centre for Christian Faith and Culture. She was also the 2016 Simpson Lecturer.

Dr. R. Glenn Wooden, Associate Professor of Old Testament Studies, has been named to the Payzant Chair of Biblical Studies. His title will be Payzant Associate Professor of Old Testament Studies. Glenn has also accepted the role of Director of the Master of Arts (Theology) Program. Glenn will continue to serve as ADC Librarian and as the Liaison to the Affiliated Colleges in Nigeria.

Dr. H. Daniel (Danny) Zacharias has had a title change from Assistant Professor of Biblical Studies to Assistant Professor of New Testament Studies. He was appointed this year as Director of the Hayward Lectures and Director of Distance Education.



The other faculty members appointed by the Board of Trustees are Dr. Carol Anne Janzen, Dr. Christopher Killacky, and Dr. Robert Wilson.

In February 2015, Dr. John Stewart, Professor Emeritus of the University of New Brunswick, was hired part time by the College as a Visiting Professor in Pastoral Care and Counselling for a period of two years.

A Recognition of Service and Farewell was held for Dr. Craig Evans in conjunction with the Faculty and Staff Christmas event in early December 2015.

### **Lecturer Achievements**

Dr. Matthew L. Walsh was appointed as Lecturer in Biblical Studies in July 2016. Matt successfully defended his PhD dissertation in June at McMaster Divinity College.

The other lecturers are Rev. Renée J. Embree, Dr. Jody L. Linkletter, and Rev. Dale Stairs. These lecturers also hold administrative responsibilities.

### **Special Lectures**

ADC hosted several lecture series this past academic year, including the Hayward Lectures with Dr. John W. Shouse in October 2015; the George Rawlyk Memorial Lectures with Professor Dr. Andrea Struebind in November 2015; and the Simpson Lectures in February 2016 with Dr. Anna Robbins.

We are about to welcome Dr. John Walton as the Hayward Lecturer on October 17-19, 2016.

In addition to these lectures, a second friendly debate between Dr. Paul Abela, Associate Professor of Philosophy, and Dr. Anna Robbins, Associate Professor of Theology, Culture and Ethics, was held on the Acadia campus in March 2016. This event was moderated by the Vice-President Academic, Dr. Robert Perrins.

### **Financial Position of the College**

In September, the Board of Trustees received the audited financial statements reporting an operating deficit for the College year ending March 31, 2016. The College does not have an accumulated debt.

### **Conclusion**

Acadia Divinity College appreciates its relationship with Acadia University as its Faculty of Theology as well as the opportunities for integration and participation in wider campus life.

## **VAUGHAN MEMORIAL LIBRARY 2015-16**

The Vaughan Memorial Library (VML) was identified as one of the 10 Best University Libraries in Canada in the Huffington Post (December 16<sup>th</sup>, 2015). Our librarians,





archivists and support staff provide services, and programs, which are innovative, personalized, and offered to a high standard. Working collaboratively at a regional and national level leads to innovations in collections, expansion of services, benefits in pricing for our collections, and enhanced discoverability for content. 2015/16 was both a busy and successful year for the VML and Esther Clark Wright Archives.

### **Administration**

During 2015 – 2016, we said goodbye to three long-standing members of our library support staff: Lana Ashby (Special Collections & Library Support), Mary-Lou Conrad (Web-developer& web architect), and Darlene Sweet (Interlibrary-loans coordinator). All retired, leaving three sets of big boots to fill! Wilma Mayer and Tessa Sheppard were the successful internal applicants for the position of Interlibrary-loans coordinator and Archives & Special Collections support, respectively. Lori Noseworthy joined us to become the newest member of the Access Services Team. Maggie Nielsen and Britanie Wentzell were the successful applicants for two academic librarian positions. Mike Beazley was on sabbatical conducting research into online games on the research process and creating an online game on secondary research. Wendy Robicheau was on sabbatical conducting research into Acadia and World War I.

### **Services**

Librarians' and Archivists' time is focused on students, faculty and staff. Outreach to the students increased; for the first-time librarians presented to all first-year students attending the Faculties Academic Orientations. Librarians offered an increasing number of classes again this year; 68 classes were taught across all faculties. 2015 was the first year that the Librarian Britanie Wentzell partnered with Ryan O'Neill to become a co-instructor and embedded librarian in BUSI 4613 *Small Business Management*.

Our former Reference Desk is now relocated and rebranded as the Research Help Desk. The student response has been overwhelmingly positive with an 11% increase in research enquiries at this location. Both online reference help through "LiveHelp" and one-on-one face-to-face research consultations continue to be popular with Acadia students, enabling students to get help whether they are situated in the library, or in residence or off-campus whenever they are connected to wireless. Overall reference enquiries were up 14% across all VML locations. The VML is at the heart of the campus and heavily used by students.

Visits to the Kirkconnell Reading Room (which holds Special Collections and is the Esther Clark Archives Service Point) were high with 1100 visits to the room. 1251 items were consulted in the Kirkconnell Reading and Archivists and Special Collections/ Archival Support Staff answered 1083 questions. The Esther Clark Wright Archives is one of the heaviest used Archives in Atlantic Canada.

The second year of our biannual de-stress events expanded to include Acupuncture, Art Classes, Meditation, and a return of the ever-popular Paws room event. The Paws room – a fourth floor room in the VML complete with dogs - is a place for students to



de-stress who are worried about their upcoming exams. The Huffington Post (July 16<sup>th</sup>, 2015) enthused “very innovative thinking, Acadia!”

Maggie Nielsen (Academic Librarian) was one of the three organizers for the 3<sup>rd</sup> Annual Mawio’mi held at Acadia University. The VML was the information hub for this event. The library also unveiled two displays of materials; one related to the Truth and Reconciliation Commission process and the Shubenacadie Residential School and one focused on Aboriginal contribution to science and innovation. The VML partnered with Dr. Claudine Bonner (Professor of Sociology) to bring a Human Library to the VML for Black History/African Heritage Month. A Human Library allows students to “borrow” a person for an hour and talk to them about their experiences. Numerous author readings were held in the VML as part of the “Authors at Acadia” series and the VML partnered with the Wolfville Public Library to host a reading of Darren Greer’s *Just Beneath My Skin*, the book chosen by One Book Nova Scotia to encourage all Nova Scotians to read and participate in conversations about a particular book.

### **Collections**

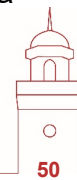
Our Demand Discovery Access (DDA) program which allows students, staff, and faculty to choose from over 50 000 ebooks increased in popularity with demand up by a third. This common catalogue of ebooks is available to all members of the Novanet Consortium. The pilot of this project was so popular that it has now become a regular feature of our collections.

The VML completed the first comprehensive review and evaluation of the microform collection. Approximately 37% of our microfiche holdings and 11% of our total microfilm holdings were discarded as being available through the VML in more student-friendly formats. We discarded print journals (approximately 2000 linear feet) where we have online perpetual access in our online JSTOR full-text collection. The VML is ensuring responsible stewardship of the print collection takes place through regional consortia. We are taking part in the Council of Atlantic University Libraries (CAUL) *Last Print Copy Initiative*. This initiative allows libraries in the region to ensure responsible stewardship of the print journal and government document whilst preventing duplication between libraries.

The Esther Clark Wright Archives contributed numerous records to the provincial catalogue MemoryNS which is available at <https://memoryns.ca/>. This is a collaborative initiative by archives across the province to provide one place for users to investigate collections held across the province. The Archives continues to accession material related to the Annapolis Valley (53) and the Baptists Church (43). Special Collections added two collections - the Tufts & Duncanson collections – to the catalogue ensuring our unique items are “discovered” by the wider community.

### **Systems and the Web**

The Novanet discovery layer (catalogue) is now providing online digital access to Nova Scotian government documents from 2007 to 2013 with material from 2014 to 2016 being digitized and added.



We tweaked and re-launched the Library Website, moving to Drupal as the content management system, and ensuring that the website was consistent with the new Acadia University look and feel. Student response has been overwhelmingly positive.

New student printers were purchased to replace the student printers in the library. The VML student printers are heavily used due to the importance of the library as a student study-space.

## **OPEN ACADIA 2017-18**

Open Acadia, located on the second and third floors of Rhodes Hall, is the University's continuing and distance education arm, supporting the provision of flexible programming and learning opportunities for Acadia students and the wider community. We offer students the flexibility of working towards the completion their programs in convenient summer or online formats. We also offer educational opportunities for youth, professionals, and seniors from surrounding communities. Programs are offered using pedagogical methods and delivery formats that match learner preferences and the needs of diverse groups.

To provide this flexibility, Open Acadia collaborates with academic departments and schools across campus, as well as with administrative units. The latter includes the Registrar's Office, Technology Services, Research & Graduate Studies, Student Accounts, Residence Life, Enrolment Services, Human Resources, and Financial Services.

### **Contributions and Growth**

Open Acadia had another busy and rewarding year in 2017-2018. Online course offerings remained strong, with more than 1,100 enrollments in online undergraduate courses and more than 550 in online graduate courses. Intersession offerings continued to be an essential option for students, with 51 undergraduate courses delivered this past year, along with 38 more in the School of Education's spring intersession and Graduate Summer Institute. Enrolments in the TESOL Certificate and the Certificate in Math Teaching programs remained positive, and both the English Language Centre and the Acadia Lifelong Learning initiatives continued to offer important programs for the unit.

Operationally, Open Acadia also had another very productive year, with a net revenue contribution to the University for 2017-18 of slightly more than \$1.3 million.

### **Organization**

Open Acadia has two organizational components: (a) a delivery arm, offering credit and non-credit programs, and (b), a service arm, providing technological, pedagogical,



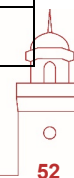
and course design support for instructors and students. Accordingly, this report is structured using the headings of Programs and Services.

## Programs

### ***Undergraduate and Graduate Credit Program Information***

In support of its Academic partners, Open Acadia offers undergraduate and graduate credit courses in several formats. The following table provides a summary of the courses offered in 2017–2018, along with enrolment information.

Type	Format	Courses	Enrolments			
			Canadian	International	Total*	FCEs
Undergraduate Interession (Spring / Summer 2017)	Classroom	51	290	253	543	271.5
Undergraduate (Fall / Winter)	Offsite Classroom	3	68	0	68	34.0
Undergraduate Online	Online / Distance	99	1054	82	1136	568.0
TESOL Face-to-Face (Undergraduate / Graduate)	Classroom	3	146	0	146	73.0
TESOL Online (Undergraduate / Graduate)	Online / Distance	3	85	2	87	43.5
EAP Bridging	Classroom	4	0	49	49	24.5
Class Afloat	Online / Distance	9	37	0	37	18.5
French Proficiency	Classroom	4	53	0	53	26.5



Graduate Education Spring / Summer 2017	Classroom	38	610	4	614	309.0
Graduate Education Fall 2017 / Winter 2018	Classroom	25	366	5	371	188.0
Graduate Education Online	Online / Distance	15	564	2	566	284.0
<b>Total</b>		<b>254</b>	<b>3,273</b>	<b>397</b>	<b>3,670</b>	<b>1,840.5</b>

\* includes some 6-credit hour courses

### ***Undergraduate Intersession***

Acadia's Intersession program provides a compacted study option for those students wishing to accelerate their program, make up a missing credit, or who are looking to lighten their course load in future terms. The wide variety of compressed 3-week course options available from May through August continues to draw students back to campus, and it is highly attractive to many of our international students.

The following undergraduate courses were offered during the 2017 Intersession (Spring and Summer) \*

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ART 2013 STUDIO ART 1	ART 2023 STUDIO ART 2
ART 3013 PAINTING 1	ART 3023 PAINTING 2
BIOL 1813 HUMAN BIOLOGY 1	BIOL 1823 HUMAN BIOLOGY 2
BUSI 1013 FINANCIAL ACCOUNTING 1	BUSI 1703 INTRODUCTION TO BUSINESS
BUSI 2013 MANAGEMENT ACCOUNTING	BUSI 2033 FINANCIAL ACCOUNTING 2
BUSI 2223 FUNDAMENTALS OF FINANCE 1	BUSI 2233 FUNDAMENTALS OF FINANCE 2
BUSI 2423 MARKETING PRINCIPLES	BUSI 2513 OPERATIONS MANAGEMENT
BUSI 3063 MANAGEMENT SCIENCE	BUSI 3373 PERSONAL INCOME TAX
BUSI 3613 BUSINESS LAW	BUSI 4953 BUSI & CORPORATE STRATEGY
BUSI 4963 STRATEGIC ISSUES IN BUSINESS	CHEM 1013 GENERAL CHEMISTRY 1
CHEM 1023 GENERAL CHEMISTRY 2	CHEM 1053 CHEMISTRY AND OUR WORLD
CHEM 2513 ORGANIC CHEMISTRY 1	CHEM 2773 BIOCHEMISTRY FOR LIFE SCIENCES
CLAS 2273 GODS IN CLASSICAL MYTH	CODE 1533 SUSTAINABLE TOURISM



CODE 3603 SUSTAINABLE FOOD SYSTEMS	COMM 1213 COMMUNICATION 1
COMP 1813 COMPUTER CONCEPTS + APPS	ECON 1013 MICROECONOMIC PRINCIPLES
ENGL 1323 COMP 2ND LANG STUDENTS 2	ENGL 1413 WRITING & READ CRITICALLY 1
ENGL 1423 WRITING & READ CRITICALLY 2	ESST 3993 SPECIAL TOPICS
FRAN 1113 BASIC FRENCH 1	FRAN 1123 BASIC FRENCH 2
FRAN 3703 LA FRANCE CONTEMPORAINE	FRAN 3733 EXPRESSION ECRITE AVANCEE
FRAN 3743 COMPREHENSION ECRITE AVANCEE	FRAN 4403 ENSEIGNEMENT DU FRANCAIS
GEOL 1033 GENERAL OCEANOGRAPHY	GEOL 1073 NATURAL DISASTERS
HIST 1423 GLOBAL HISTORY AFTER 1500	HIST 2043 EMERGENCE MODERN MIDDLE EAST
HIST 2203 WORLD WAR ONE	MATH 1023 INTRODUCTORY CALCULUS II
MATH 1573 GEOMETRY: 2D AND 3D	MATH 1583 PROBABILITY/DATA/PROPORTION
MUSI 1013 UNDERSTANDING MUSIC NON-MAJORS	MUSI 1353 GUITAR CLASS
PHYS 1053 GENERAL PHYSICS 1	SOCI 1033 SOCIAL PROBLEMS
SOCI 2853 SOCIOLOGY OF MAGIC AND RELIGION	

\* Intersession is considered in this report as the beginning of the academic year, rather than the end. Accordingly, the 2017-2018 intersession courses are those offered in the spring and summer of 2017 rather than 2018. In this way it coincides with the fiscal calendar in which it occurs.

### Online and Distance Learning

With more than 120 online courses from the Faculties of Arts, Pure & Applied Science, and Professional Studies, programming extends well beyond the traditional classroom. The call for flexibility from students is clearly demonstrated by the strong enrolments in online courses in recent years. The ability to study from anywhere, at any time, attracts not only Acadia students, but also independent students and others on letters of permission from other institutions. There were nearly 1,000 enrolments in online undergraduate courses during the 2017-2018 year and more than 550 in the online graduate education courses. Open Acadia continues to maintain a relationship with West Island College's Class Afloat™ University program, which started in 2007. Students in that program complete online courses from Acadia as they travel around the globe on a tall ship. Additionally, Open Acadia continues to offer undergraduate credits to students in the School of Nursing at Dalhousie University.

The following online undergraduate courses were offered during the 2017-2018 year:

ART 3313 Topics in the History of Art - Textile Arts	BIOL 1113 Organisms and Their Environment 1
BIOL 1813 Human Biology 1	BIOL 2663 Marine Biology
BUSI 1013 Financial Accounting 1	BUSI 1703 Introduction to Business
BUSI 2013 Management Accounting	BUSI 2033 Financial Accounting 2
BUSI 2223 Fundamentals of Finance 1	BUSI 2233 Fundamentals of Finance 2
BUSI 2423 Marketing Principles	BUSI 2513 Operations Management
BUSI 2743 Organizational Theory	BUSI 2803 Business Technology Management
BUSI 3063 Management Science	BUSI 3313 Human Resource Management
BUSI 3433 Consumer Behaviour	BUSI 3723 Organizational Change
BUSI 3763 Cross-Cultural Management	BUSI 4913 Online Competitive Intelligence Strategy
CHEM 2513 Organic Chemistry 1	CLAS 2233 Scientific Terminology
CODE 1013 Leadership in Community Development	COMM 1213 Communication 1
COMP 1113 Computer Programming 1	COMP 1123 Computer Programming 2
COMP 1813 Computer Concepts and Applications	COMP 2103 Computer Programming 3
COMP 2113 Data Structures and Algorithms	COMP 2203 Computer Architecture and Organization 1
COMP 2213 Computer Architecture and Organization 2	COMP 3703 Translators



COMP 3773 Advanced Object-Oriented App Dev with C++	CREL 2533 Cults: New Religious Movements
ECON 1013 Microeconomic Principles	ECON 1023 Intro to the Study of Macroeconomics
ECON 2713 Economics of the Natural Environment	ECON 3733 Economics of Recreation and Sport
ECON 3743 Economics of Tourism	EDUC EDUC 4683 Linguistics for Teachers
EDUC 4863 Acquisition of Language	ENGL 1213 Composition 1
ENGL 1413 Writing and Reading Critically 1	ENGL 1423 Writing and Reading Critically 2
ENGL 2013 Exploring Creative Writing: An Introduction	ENGL 2183 Shakespeare 1
ENGL 2193 Shakespeare 2	ENGL 2683 American Literature 1
ENGL 2693 American Literature 2	FRAN 1113 Basic French 1
FRAN 1123 Basic French 2	FRAN 1213 Intermediate French 1
FRAN 2013 Francais Avance, Niveau 1	FRAN 4413 Lectures Dirigées 1
GEOG 1033 General Oceanography	GEOG 2753 Atmosphere, Weather and Climate
HIST 1103 Western Civilization 1	HIST 1113 Western Civilization 2
HIST 2123 Gender and Sexuality in Europe to 1789	IDST 3103 Environmental Law
KINE 4233 Stress Management	KINE 4575 Promoting Physical Activity for Youth
KINE 4763 Intro to the Canadian Health Care System	KINE 4773 S.M.I.L.E. Programming
KINE 4893 Disability Sport	MATH 0110 Pre-University Mathematics
MATH 0120 Advanced Pre-University Mathematics	MATH 1533 Mathematical Concepts 1
MATH 1543 Mathematical Concepts 2	MATH 1613 Linear Algebra & Calculus for Business / Econ
MUSI 1033 Reading and Writing Music 1	MUSI 1043 Reading and Writing Music 2
NUTR 1313 Human Nutrition 1	NUTR 1323 Human Nutrition 2
NUTR 1503 Understanding Nutrition	NUTR 2323 Food and People
NUTR 3533 Sports Nutrition	PHYS 1513 Astronomy 1
PHYS 1523 Astronomy 2	PHYS 3423 Subatomic Physics
PSYC 1013 Intro to Psychology: Experimental Area	4673 Teaching English as a Second Language
PSYC 1023 Introduction to Psychology: Applied Area	PSYC 2103 Social Psychology
SOCI 1013 Introduction to Canadian Society	SOCI 1033 Introduction to Sociology: Social Problems
SOCI 1113 Introduction to Cultural Anthropology	SOCI 2343 Sociology of Aging
SOCI 2353 Community Development with Rural Elderly	SOCI 2363 Women and Aging
SOCI 2553 Sociology of Education	SOCI 2713 Sociology of Deviance
SOCI 2723 Canadian Criminal Justice	SOCI 2753 Principles of Criminology
SOCI 2853 The Anthropology of Magic and Religion	SOCI 3363 Sociology of Death and Dying
SOCI 3373 Aging in Cross-cultural Perspective	SOCI 3393 Special Topics in Death and Dying
SOCI 3803 Queer Studies	SPAN 1013 Introductory Spanish Language 1
SPAN 1023 Introductory Spanish Language 2	WGST 2906 Women & Gender in the Modern World

The following online graduate education courses were also offered during the 2017-2018 year:

EDUC 50G3 Research Literacy	EDUC 50J3 Principles of Assessment for Counselling
EDUC 5003 Human Development and Learning	EDUC 5053 Mentoring Beginning Teachers
EDUC 5123 Curriculum Practice for Diverse Learners	EDUC 5203 Introduction to Educational Technology
EDUC 5213 Organizational Theory and School Culture	EDUC 5273 Education and the Law
EDUC 5303 Principles of Assessment: Education Focus	EDUC 5563 Career Counselling
EDUC 5553 Topics in Counselling: Spirituality	EDUC 5673 Language, Literacy and Learning
EDUC 5773 Community Perspectives on School and Society	EDUC 5843 Instructional Design: Multi-age Pedagogy
EDUC 5913 Theoretical Perspectives on Leadership	

## Master of Education Programs



Open Acadia supports the School of Education in providing full-time and part-time students with study options that meet the diverse needs of today's educators and counsellors. Courses are offered throughout the year on campus and at locations around Nova Scotia and beyond. There are also selected courses available online and an annual Summer Institute on campus.

Master of Education degrees are conferred in the areas of Counselling, Curriculum Studies, Inclusive Education, and Leadership. These programs are available on a full- or part-time basis and through customized cohort scheduling. More than 60 graduate Education courses were offered in the past year, accounting for nearly 1,500 registrants. Open Acadia is currently supporting delivery of cohort programs and courses to more than 400 active graduate Education students.

Additional highlights:

In collaboration with Dalhousie's Division of Medical Education, a fifth cohort for the Master of Education in Curriculum Studies for Health Professionals will begin in September 2018.

- The fifth cohort of our Master of Education in Curriculum for Music Educators began in September 2017.
- Based on a decade-long partnership, courses in Technology Education were again offered during the year for cohorts from Dalhousie University taking the Certificate in Technology Education.

### **Certificate in French Proficiency**

The 2017 French Proficiency Summer Institute was held in July. This offers French language teachers an opportunity to improve their language skills. The number of teachers participating resulted in 53 registrations in the following courses:

FRAN 3733 Expression Écrite Avancée  
FRAN 4423 Lectures Dirigées 2

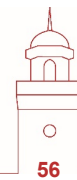
FRAN 4403 Méthodologie de l'Enseignement du Français Langue Seconde  
FRAN 4553 Littérature Francophone

### **Certificate in Math Teaching**

Beginning in 2013, the School of Education and the Department of Mathematics & Statistics continue to offer a Certificate in Math Teaching through Open Acadia. This program is approved by the Teacher Certification branch of the Nova Scotia Department of Education and Early Childhood Development, and it is intended for teachers of Mathematics in grades 5-9. The first cohort in the (former) Annapolis Valley Regional School Board completed the two-year program in July 2015, a third cohort finished in the Summer of 2018, and a fourth cohort begins this fall

Courses in the program include:

MATH 1533 Mathematical Concepts 1  
MATH 1543 Mathematical Concepts 2





MATH 1553 Patterns and Algebra  
 MATH 1563 Number: Whole Numbers, Integers, Rationals, Real Numbers  
 MATH 1573 Geometry: 2D and 3D  
 MATH 1583 Probability, Data Analysis, and Proportion  
 EDUC 5673 Current Research and Theory in Curriculum: Mathematics  
 EDUC 5843 Instructional Design: Mathematics Instruction  
 EDUC 5303 Principles of Assessment for Mathematics  
 EDUC 5053 Problems in Education: Mathematics

### TESOL Certificate

Acadia's Teaching English to Speakers of Other Languages (TESOL) program has been delivering both online and classroom instruction for nearly a decade. It is a highly attractive option for students who are completing the Bachelor of Education program, but the Certificate also appeals those from other academic backgrounds who are looking for an internationally recognized credential that qualifies them to teach English anywhere in the world. The 9 credit-hour Certificate is available on-campus or online, and the 20-hour Practicum is available either on-campus with our English for Academic Purposes (EAP) program or off-site through other approved ESL locations.

## NON-CREDIT PROGRAM INFORMATION

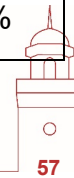
### English Language Centre: English for Academic Purposes (EAP) Program

Acadia's international students form a vibrant part of the campus community. However, for an international student, beginning an undergraduate degree is often particularly challenging due to language barriers. The English for Academic Purposes (EAP) program provides a vital path for international students seeking to enroll at Acadia University. In EAP, academically qualified students upgrade their English language proficiency to prepare themselves for undergraduate study.

EAP comprises 5 different levels: Foundations, 500, 1000, 2000, and 3000 (Bridging). Each level is divided between a Speaking and Listening section and a Reading and Writing section. The 3000 Bridging level continues to be a successful and rewarding experience for students. Bridging allows students to take one 3-credit hour course along with their EAP studies. We have a steadily growing group of professors who offer to teach for the EAP Bridging level – a great success for the program and an indication of continuing support from the wider university. The percentage of students who graduate from this level remains between 70-80%, and more than 90% of these students transition into degree programs at Acadia. The EAP program has been in operation for over 16 years.

### EAP Enrolment Summary for 2017-2018

Term	# EAP Enrolments	% Korean	% Chinese	% Japanese	% Other
Spring 2017	25	8%	32%	56%	4%



Summer 2017	12	17%	33%	42%	8%
Fall 2017	35	6%	63%	14%	17%
Winter 2018	36	3%	39%	42%	16%
		#	#	#	#
<b>Total 2017-2018</b>	<b>108</b>	<b>7</b>	<b>48</b>	<b>39</b>	<b>14</b>
<b>Total 2016-2017</b>	<b>126</b>	<b>5</b>	<b>90</b>	<b>24</b>	<b>7</b>

- In the summer of 2017, The English Language Centre organized and delivered the second year of the Acadia Community Learning Program for newcomers to the Annapolis Valley. This program ran for six weeks during July and August and provided two mornings of language instruction to participants of all ages. Classes were offered for Preschool (up to age 4), Primary (age 5-8), Junior (9-15), and three levels of adult learners (literacy, beginner and intermediate). There were over 50 participants registered in the program. Most were newcomers from countries including Syria and Eritrea, and others were local permanent residents. Over 40 volunteers were involved in assisting with classroom instruction, extra-curricular programming, transportation, and administration. This program was financially supported in part by YREACH (YMCA's program for newcomers), VCLA (Valley Community Learning Association), and the Kentville Rotary.
- Recruitment efforts continue to focus on diversifying the student body and growing student numbers from target markets. We have maintained the growth of Japanese students coming to our institution. This is in part due to relationships with agents and institutions in Japan, including Kurume University, Doshisha University, and Doshisha Women's College. Throughout the year, these institutions send small groups to Acadia for a 10-12-month period to study EAP and credit courses as independent exchange students. In the past year, we hosted 17 individual students from Japanese partner universities.
- Total EAP Enrolments showed a decline in the 2017-2018 school year. This could be attributed to various factors, such as global economic changes, shifting educational trends in China, changes in IRCC regulations, lack of funding for international recruitment and agent incentives, and competition from other language schools. The decline in international students is a trend that has been recognized across Nova Scotia in 2017-2018.
- During the past year, between two and three hourly-paid instructors have worked in the EAP program. In addition, the English Language Centre employs three full-time AUPAT staff members who handle all EAP administrative responsibilities and teach within the program.



## Acadia Lifelong Learning (ALL) Centre

The Acadia Lifelong Learning (ALL) Centre was established in 2000 as a way of sharing the intellectual and cultural resources of Acadia University with the growing population of seniors, primarily from the Annapolis Valley. Courses, seminars, special outings, and extracurricular events are scheduled in the fall and winter semesters. The program is membership-driven and guided by an Advisory Board of community volunteers.

ALL Membership and Enrolment Summary for 2017–18:

Memberships	297
Courses	270
Acadia Course Audits	73
Seminars / Outings	54

### Highlights:

- Programming for 2017-2018 included 23 courses and events, covering topics such as Shakespeare, wines of Nova Scotia, photography, painting/drawing, and genome exploration.
- The Brown Bag Lunch Seminar Series was renamed the Lunchtime Learning Series and was moved to the Acadia Art Gallery for its weekly sessions. We had a very successful year, with audiences averaging about 50 people at each session. They met on Thursdays at noon from September to April. The program is free to both ALL members and the Acadia community.
- ALL members continue to enjoy auditing Acadia University credit courses, one of the popular benefits of membership. Each year, more seniors are joining Acadia classes (with instructor permission) to learn about a wide range of topics including philosophy, chemistry, Spanish, English, history and kinesiology.

## Huggins High School Science Seminar

Founded by the late Dr. Charles B. Huggins, esteemed Nobel Laureate and former Acadia Chancellor Emeritus, the Huggins High School Science Seminar brings talented high school students from across the Maritimes to campus to learn from enthusiastic and innovative scientists. The event is scheduled for the first Friday in May of each year and provides students with the opportunity to meet Acadia faculty and other scientists and to experience the campus atmosphere.

- The 33<sup>rd</sup> Annual Huggins High School Science Seminar was held on Friday, May



4<sup>th</sup> with 48 students from around the Province in attendance. Dr. Anna Redden (Biology) led the session, which featured presentations by Dr. Anne Sophie Champod (Psychology), Dr. Matthew McSweeney (Nutrition & Dietetics), and Dr. Matthew Lukeman (Chemistry).

- In 2018 we expanded upon the interactive component idea the we had initiated in 2016. This year we had four “mini-sessions” for smaller groups of students. These mini-sessions included three chemistry experiment labs and a tour of the mLab (motion lab) in the School of Kinesiology.

### Summer Music Academies

In 2014, Open Acadia resumed coordination of the Summer Music Academies, though we have been hosting this program for over 40 years. The Concert Camp program offers students intensive instruction with their instrument in both small group and large ensembles. The age range is 10-18 years old, and the camp welcomes beginners as well as more experienced and serious students who hope to pursue music in university. The Camp also welcomes adults participating in community bands in Atlantic Canada. The week-long program consists of lessons and rehearsals during the day, with Open Acadia counsellors leading activities and social events each evening. The faculty members for this program come from across Canada, including faculty from Acadia.

Year	Student Registrations	Community Band Members
2017	125	16

As always, the final concert proved to be an exciting event where students showcased their new or improved talents for an audience of over 500 people in the Festival Theatre facility. All four levels of bands performed, in addition to several small ensembles and solo performances.

## SERVICES

### Learning Technologies and Instructional Design

In 2017-2018, the newly created Learning Technologies and Instructional Design (LTID) unit developed and delivered a variety of workshops, providing opportunities for faculty to engage in teaching- and technology-related dialogue. The unit currently supports administrative and academic units across campus through the running of the Learning Management System (LMS: Moodle-ACORN), Survey system (Lime Survey,) and specialized software CiviCRM (Client Relationship and Registration System).



LTID also provided other operational support:

<b>Participating Departments and Schools</b>
Biology, Business Administration, Chemistry, English & Theatre, Computer Science, Earth & Environmental Science, Engineering, History & Classics, Kinesiology, Languages & Literatures, Mathematics & Statistics, Music, Nutrition & Dietetics, Physics, Politics, Sociology, Technology Services, Vaughan Memorial Library.

- Teaching with Moodle: basics of using the LMS as a tool to support learning.
- Effective Quizzes: quiz design and quiz types, both for formative and summative assessments.
- Teaching Large Classes: methods to create engagement in large classes, assessment, and group work, including use of the LMS to support learning.
- Memorable Media: introduces the use of media to support learning and approaches to leveraging the learning management system.
- Sticky Teaching: introduces teaching strategies related to student learning and approaches to leveraging the LMS.
- Lecture Planning and Lecture Activities – planning and implementing activities to keep students engaged, including the use of technology.

### **Synopsis of Administrative and Academic Support and Service**

The unit continues to support and design existing and new services for the collection and dissemination of information for faculty and student research (including international research projects), as well as support for multiple administrative functions campus wide. The latter include Student Affairs, Human Resources, Vaughan Memorial Library, Safety and Security, Performing Arts, International Student Centre, Kinesiology, and Community Development. There was a significant increase in the demand for these services throughout 2017-2018.

The New Faculty Orientation Program was expanded in 2017-2018 to provide an Instructional Designer as support for new faculty, beyond a basic introduction to academic systems and support. This change has seen an increase in outreach of new faculty seeking support in leveraging technology for instructional purposes.



LTID collaborated with Student Services in the development and redesign of a faculty/student learning resource course accessible within the Learning Management System.

There has been an increase in demand for video production to support academic and other important campus initiatives.

In addition, we have extended course design support to provide services for faculty research grants relating to the development of course materials via the web (e.g., SmarterCombo – Kinesiology) and provided support for faculty related to the development of a MPHEC submission (Kinesiology).

There has been an Increase in faculty consultations and support services, beyond the use of technology, to assist with teaching issues such as time constraints and grading scheme improvements.

The unit newly implemented a Quality Assurance Program for review of online courses to identify and address course functionality, accessibility, and updates required to ensure on-going excellence in online course experiences for students. This initiative has been positively received by faculty and improves the student online course experience. This will now be done annually.

We also worked on the development and probable implementation of the Learning Management System to support the Department of Chemistry in replacing a costly outside source and improve the ability of the Department to manage their test bank, student practice, and other applications.

Course development and redevelopment of new and existing courses continues to be supported by Open Acadia, including more than 15 undergraduate courses in 2017-2018. The LTID team also supports MEd term and online courses, Class Afloat (8), French Proficiency, and TESOL.

We newly developed and designed recommended downloadable planning schedules to support student success. The recommended schedules were approved by individual faculty members and included timelines for heavy course work. Data collected to date reveal that students are downloading the schedules.

## OPEN ACADIA 2016-17



Open Acadia supports the offering of flexible programming and learning opportunities to both Acadia students and to the community beyond. The unit provides Acadia students with the flexibility to work towards their degrees in convenient summer or online formats, and offers educational opportunities to youth, professionals, and seniors. Programs are delivered utilizing pedagogical methods that match the preferences and needs of diverse student groups, on-campus, off-campus, and online.

### Reorganization and New Location

To provide this flexibility, Open Acadia collaborates with academic units and various other units on campus, including the Registrar’s Office, Technology Services, Research and Grad Studies, Student Accounts, Residence Life, Enrolment Services, Human Resources, and the Business Office. Over the past year Open Acadia underwent a reorganization to streamline business and registration process and better support our academic mandate. This involved moving functions and personnel to other units (Registrar’s Office, Technology Services, and Research and Grad Studies). As well, the Learning Technology Centre has merged with Open Acadia to better support technology enabled learning for both online and face-to-face formats (and everything in between). Open Acadia has moved from Willett House and is now located on the third floor of Rhodes Hall.

### Contributions and Growth

Open Acadia had another very busy and rewarding year in 2016--2017. Online course offerings remain strong, with nearly 1100 enrollments in online undergraduate courses and more than 520 additional ones in graduate courses online. Intersession offerings continue to be an essential option for students, with 72 undergraduate courses delivered this past year, along with 38 more in the School of Education’s Spring Intersession and Graduate Summer Institute. Enrolments in the TESOL and French Proficiency programs remained quite good, and both the English Language Centre and the Acadia Lifelong Learning initiatives also remaining as very important programs for the unit. Operationally, Open Acadia also had another very productive year, with a net revenue contribution to the University for 2016-17 of just over \$1.5 million.

### Undergraduate and Graduate Credit Enrolments

In support of its Academic partners, Open Acadia offers undergraduate and graduate credit courses in several formats. The following table provides a summary of the courses offered in 2016–2017 along with the given enrolment information.

Type	Format	Courses	Enrolments			
			Canadian	International	Total*	FCEs

Undergraduate Intercession (Spring / Summer 2016)	Classroom	66	289	270	559	279.5
Undergraduate Fall / Winter	Offsite Classroom	5	119	0	119	59.5
Undergraduate Online	Online / Distance	114	967	127	1094	547.0
TESOL Face-to-Face (Undergraduate / Graduate)	Classroom	3	101	0	101	50.5
TESOL Online (Undergraduate / Graduate)	Online / Distance	3	62	0	62	31.0
EAP Bridging	Classroom	2	0	22	22	11.0
Class Afloat	Online / Distance	9	53	0	53	26.5
French Proficiency	Classroom	6	60	0	60	30.0
Graduate Education Spring / Summer 2016	Classroom	46	591	8	599	299.5
Graduate Education Fall 2016 / Winter 2017	Classroom	23	359	3	362	188.0
Graduate Education Online	Online / Distance	14	517	6	523	261.5
<b>Total</b>		<b>291</b>	<b>3,118</b>	<b>436</b>	<b>3,554</b>	<b>1,784</b>

\* includes some 6-credit hour courses

## Undergraduate Intercession

Acadia's Intercession program provides a compacted study option for those students wishing to accelerate their program, to make up a missing credit, or looking to lighten their course load for future terms. The wide variety of compressed 3-week course options available from May through August continues to draw students back to campus, and it is very attractive to many of our international students.

The following undergraduate courses were offered during the 2016 Intercession (Spring and Summer):

ART2013 STUDIO ART 1  
 ART2053 ART AND THE ENVIRONMENT  
 BIOL1813 HUMAN BIOLOGY 1  
 BUSI1013 FINANCIAL ACCOUNTING 1  
 BUSI2033 FINANCIAL ACCOUNTING 2  
 BUSI2223 FUNDAMENTALS OF FINANCE 1  
 BUSI2423 MARKETING PRINCIPLES  
 BUSI2513 OPERATIONS MANAGEMENT  
 BUSI3063 MANAGEMENT SCIENCE  
 BUSI3383 TAXATION FOR CORPORATIONS  
 BUSI4953 BUSI & CORPORATE STRATEGY  
 CHEM1013 GENERAL CHEMISTRY 1  
 CHEM1053 CHEMISTRY AND OUR WORLD

ART2023 STUDIO ART 2  
 ART3013 PAINTING 1  
 BIOL1823 HUMAN BIOLOGY 2  
 BUSI1703 INTRODUCTION TO BUSINESS  
 BUSI2033 FINANCIAL ACCOUNTING 2  
 BUSI2233 FUNDAMENTALS OF FINANCE 2  
 BUSI2433 MARKETING STRATEGY  
 BUSI2743 ORGANIZATIONAL THEORY  
 BUSI3373 PERSONAL INCOME TAX  
 BUSI3613 BUSINESS LAW  
 BUSI 963 STRATEGIC ISSUES IN BUSI  
 CHEM1023 GENERAL CHEMISTRY 2  
 CHEM2513 ORGANIC CHEMISTRY 1





CHEM2773 BIOCHEMISTRY FOR LIFE SCIENCES  
 CODE3603 SUSTAINABLE FOOD SYSTEMS  
 COMP1123 COMPUTER PROGRAMMING 2  
 ECON1013 MICROECONOMIC PRINCIPLES  
 ENGL1313 COMP 2ND LANG STUDENTS 1  
 ENGL1413 WRITING & READ CRITICALLY 1  
 FRAN1013 BEGINNING FRENCH 1  
 FRAN2023 FRANCAIS AVANCE 1, NIVEAU 2  
 FRAN3163 EXPR ORALE AVANCEE, NIVEAU 4  
 FRAN3733 EXPRESSION ECRITE AVANCEE  
 GEOL1073 NATURAL DISASTERS  
 HIST2693 TOPICS: FIELD ARCHAEOLOGY  
 HIST2693 TOPICS: INTRO TO ARCHAEOLOGY  
 KINE184D INTRO TO SEA KAYAKING  
 MATH1023 INTRODUCTORY CALCULUS II  
 MATH1573 GEOMETRY: 2D AND 3D  
 MUSI1063 MUSIC THEORY NON-MAJORS 1  
 MUSI2063 MUSICS OF THE WORLD  
 NUTR1353 FOOD COMMODITIES 2-FS  
 PHYS1053 GENERAL PHYSICS 1  
 PSYC2163 PSYCHOLOGY OF GENDER  
 SOCI2113 ISSUES IN DEVELOPING SOCIETIES  
 WGST3703 TOPICS: WOMEN IN PHILOSOPHY

CODE1533 SUSTAINABLE TOURISM  
 COMM1213 COMMUNICATION 1  
 COMP2853 HANDLING DATA CONCEPTS/APPS  
 ECON2613 EMPIRICAL ANALYSIS IN ECON & BUSI 1  
 ENGL1323 COMP 2ND LANG STUDENTS 2  
 ENGL1423 WRITING & READ CRITICALLY 2  
 FRAN1023 BEGINNING FRENCH 2  
 FRAN3153 EXPRESSION ORALE AVANEE, NIVEAU 3  
 FRAN 213 LITERATURE JEUNESSE  
 FRAN4403 ENSEIGNEMENT DU FRANCAIS  
 HIST1423 GLOBAL HISTORY AFTER 1500  
 HIST2693 TOPICS: UNDERGROUND RAILROAD  
 KINE184D INTRO TO CANOE TRIPPING  
 KINE4563 ADVENTURE EDUCATION  
 MATH1223 STATS: BUSI/BEHAVIORAL SCIENCES 2  
 MATH1583 PROBABILITY/DATA/PROPORTION  
 MUSI1353 GUITAR CLASS  
 MUSI3003 HISTORY OF ROCK MUSIC  
 NUTR2323 FOOD & PEOPLE  
 PHYS1063 GENERAL PHYSICS 2  
 SOCI1013 INTRODUCTION TO CDN SOCIETY  
 SOCI2533 POPULAR CULTURE & THE MEDIA

### Online and Distance Learning

With more than 120 online courses from the Faculties of Arts, Sciences, and Professional Studies, Acadia University programming extends well beyond the traditional classroom. The growing demand for flexibility from post-secondary students is being clearly supported by the strong enrolments in online courses in recent years. The ability to study from virtually anywhere, at any time, attracts not only Acadia students, but also independent students, and students on letters of permission from many other institutions. There were nearly 1,100 enrolments in online undergraduate courses during the 2016-2017 year, and more than 500 registrants in the online graduate education offerings.

Open Acadia also continues to maintain our relationship with West Island College's Class Afloat™ University program, which started in 2007, based on students in that program completing online courses from Acadia as they travel around the globe on a tall ship. Additionally, Open Acadia also continues to offer undergraduate credits to Dalhousie University, with Nursing students from Dalhousie taking elective courses as needed.

The following **online undergraduate courses** were offered during the 2016-2017 year:

ART 3313 Topics in the History of Art - Textile Arts	BIOL 1113 Organisms and Their Environment 1
BIOL 2663 Marine Biology	BUSI 1013 Financial Accounting 1
BUSI 1703 Introduction to Business	BUSI 2013 Management Accounting
BUSI 2033 Financial Accounting 2	BUSI 2223 Fundamentals of Finance 1
BUSI 2233 Fundamentals of Finance 2	BUSI 2423 Marketing Principles
BUSI 2513 Operations Management	BUSI 2743 Organizational Theory
BUSI 2803 Business Technology Management	BUSI 3063 Management Science
BUSI 3313 Human Resource Management	BUSI 3433 Consumer Behaviour
BUSI 3723 Organizational Change	BUSI 3763 Cross-Cultural Management
BUSI 4913 Online Competitive Intelligence Business Strategy	CHEM 2513 Organic Chemistry 1



CLAS 2233 Scientific Terminology  
 COMM 1213 Communication 1  
 COMP 1123 Computer Programming 2  
 COMP 2103 Computer Programming 3  
 COMP 2203 Computer Architecture and Organization 1  
 COMP 3613 Artificial Intelligence  
 COMP 3773 Advanced Object-Oriented App Dev with C++  
 ECON 1013 Microeconomic Principles  
 ECON 2713 Economics of the Natural Environment  
 ECON 3743 Economics of Tourism  
 EDUC 4683 Linguistics for Teachers  
 ENGL 1213 Composition 1  
 ENGL 1423 Writing and Reading Critically 2  
 ENGL 2183 Shakespeare 1  
 ENGL 2683 American Literature 1  
 ENGL 2783 Nineteenth Century Fiction  
 FRAN 1123 Basic French 2  
 FRAN 2013 Francais Avance, Niveau 1  
 GEOL 1033 General Oceanography  
 HIST 1103 Western Civilization 1  
 HIST 2123 Gender and Sexuality in Europe to 1789  
 IDST 3103 Environmental Law  
 KINE 4593 Topics: Promoting Physical Activity for Youth  
 KINE 4593 Topics: S.M.I.L.E. Programming  
 MATH 0110 Pre-University Mathematics  
 MATH 1533 Mathematical Concepts 1  
 MATH 1613 Linear Algebra & Calculus for Business / Econ  
 MUSI 1043 Reading and Writing Music 2  
 NUTR 1323 Human Nutrition 2  
 NUTR 2323,1513 Food and People  
 PHYS 1513 Astronomy 1 - The Solar System  
 PHYS 3423 Subatomic Physics  
 PSYC 1023 Introduction to Psychology: Applied Area  
 SOCI 1013 Introduction to Canadian Society  
 SOCI 1113 Introduction to Cultural Anthropology  
 SOCI 2353 Community Development with Rural Elderly  
 SOCI 2553 Sociology of Education  
 SOCI 2723 Canadian Criminal Justice  
 SOCI 2853 The Anthropology of Magic and Religion  
 SOCI 3373 Aging in Cross-cultural Perspective  
 SPAN 1013 Introductory Spanish Language 1  
 WGST 2906 Women & Gender in the Modern World  
 CODE 1013 Foundations of Leadership  
 COMP 1113 Computer Programming 1  
 COMP 1813 Computer Concepts and Applications  
 COMP 2113 Data Structures and Algorithms  
 COMP 2213 Computer Architecture & Organization 2  
 COMP 3703 Translators  
 CREL 2533 Cults: New Religious Movements  
 ECON 1023 Intro to the Study of Macroeconomics  
 ECON 3733 Economics of Recreation and Sport  
 EDUC 4673 Teaching English as a Second Language  
 EDUC 4863 Acquisition of Language  
 ENGL 1413 Writing and Reading Critically 1  
 ENGL 2013 Exploring Creative Writing: An Intro.  
 ENGL 2193 Shakespeare 2  
 ENGL 2693 American Literature 2  
 FRAN 1113 Basic French 1  
 FRAN 1213 Intermediate French 1  
 FRAN 4413 Lectures Dirigées 1  
 GEOL 2753 Atmosphere, Weather and Climate  
 HIST 1113 Western Civilization 2  
 HIST 2613 History of Medicine  
 KINE 4233 Stress Management  
 KINE 4593 Intro to the Canadian Health Care System  
 KINE 4893 Disability Sport  
 MATH 0120 Advanced Pre-University Mathematics  
 MATH 1543 Mathematical Concepts 2  
 MUSI 1033 Reading and Writing Music 1  
 NUTR 1313 Human Nutrition 1  
 NUTR 1503 Contemporary Issues in Nutrition  
 NUTR 3533 Sports Nutrition  
 PHYS 1523 Astr. 2: Stars, Galaxies & the Universe  
 PSYC 1013 Intro to Psychology: Experimental Area  
 PSYC 2103 Social Psychology  
 SOCI 1033 Introduction to Sociology: Social Problems  
 SOCI 2343 Sociology of Aging  
 SOCI 2363 Women and Aging  
 SOCI 2713 Sociology of Deviance  
 SOCI 2753 Principles of Criminology  
 SOCI 3363 Sociology of Death and Dying  
 SOCI 3393 Special Topics in Death and Dying  
 SPAN 1023 Introductory Spanish Language 2

The following **online graduate education courses** were also offered during the 2016-2017 year:

EDUC 50G3: Research Literacy  
 EDUC 5003: Human Development and Learning  
 EDUC 5123: Curriculum Practice for Diverse Learners  
 EDUC 5213: Organizational Theory and School Culture  
 EDUC 5303: Principles of Assessment: Education Focus  
 EDUC 5553: Topics in Counselling: Spirituality  
 EDUC 5773: Community Perspectives on School and Society  
 EDUC 50J3: Principles of Assessment for Counselling  
 EDUC 5053: Mentoring Beginning Teachers  
 EDUC 5203: Introduction to Educational Technology  
 EDUC 5273: Education and the Law  
 EDUC 5563: Career Counselling  
 EDUC 5673: Language, Literacy and Learning  
 EDUC 5843: Instr. Design: Multi-age Pedagogy

## Master of Education Programs



Open Acadia supports our School of Education in providing full-time and part-time students with study options that meet the diverse needs of today's educators. Courses are offered through fall, winter, spring, and summer at Acadia's campus and also at locations around Nova Scotia, and beyond. There are also selected courses available online, and an annual Summer Institute at the campus in Wolfville.

Master of Education degrees are conferred in the areas of Counselling, Leadership, Curriculum Studies, and Inclusive Education. These programs are available on a full or part-time basis and also through customized cohort scheduling. More than 80 graduate education courses were offered in the past year, accounting for nearly 1500 total graduate enrolments. Open Acadia is currently supporting delivery of cohort programs and courses to more than 450 active graduate education students. Some other highlights:

- In collaboration with Dalhousie's College of Medical Education, planning is underway for a fifth cohort of Health Inter-professionals to begin in September 2018
- The fourth specialized cohort for Music Educators began in January 2016.
- Based on a decade-long partnership, courses in Technology Education were again offered during the year for cohorts from Dalhousie University taking a Certificate in Technology Education

### **Certificate in French Proficiency**

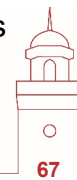
The 2016 French Proficiency Summer Institute, which offers French language teachers an opportunity to improve their level of French, was held in July. The number of French language teachers participating led to 60 course registrations. Course offerings included:

FRAN 2023 Français Avance, Niveau 2  
FRAN 3153 Expr Orale Avancee, Niveau 3  
FRAN 3163 Expr Orale Avancee, Niveau 4  
FRAN 3213 Litterature Jeunesse  
FRAN 3733 Expression Écrite Avancée  
FRAN 4403 Méthodologie de l'Enseignement du Français Langue Seconde

### **Certificate in Math Teaching**

Since 2013, with support from Open Acadia, the School of Education and the Department of Mathematics and Statistics collaborate to offer a Certificate in Math Teaching. This program is approved by the Teacher Certification branch of Nova Scotia Department of Education and it is intended for teachers of Mathematics grades 5-9. The program was created in consultation with math consultants and program leaders, with a view to addressing the teaching, learning, and assessment of key topics in the provincial math curriculum at the Middle School grade levels.

The first cohort of teachers in the Annapolis Valley Regional School Board completed the two-year program in July 2015, and a second cohort of teachers from other boards finished in the Fall of 2016. Our third cohort (the largest yet) began their program in the Fall of 2016.



Courses in the program include:

MATH 1533 Mathematical Concepts 1  
MATH 1543 Mathematical Concepts 2  
MATH 1553 Patterns and Algebra  
MATH 1563 Number: Whole Numbers, Integers, Rationals, Real Numbers  
MATH 1573 Geometry: 2D and 3D  
MATH 1583 Probability, Data Analysis, and Proportion  
EDUC 5673 Current Research and Theory in Curriculum: Mathematics  
EDUC 5843 Instructional Design: Mathematics Instruction  
EDUC 5303 Principles of Assessment for Mathematics  
EDUC 5053 Problems in Education: Mathematics

### **TESOL Certificate**

Acadia's Teaching English to Speakers of Other Languages (TESOL) program has been delivering both online and in the classroom for nearly a decade now. The program is very attractive to Acadia students completing the Bachelor of Education program, but the Certificate also appeals to students from many other academic backgrounds who are looking for an internationally recognized credential that qualifies them to teach English anywhere in the world. The 9-credit-hour Certificate is available on-campus or online, and the 20-hour Practicum is available either on-campus with our English for Academic Purposes program or off-site through other approved ESL locations.

### **Non-Credit Programs**

#### **English Language Centre: English for Academic Purposes (EAP) Program**

Acadia's international students form a vibrant part of the campus community. However, for an international student, beginning an undergraduate degree is often particularly challenging due to language barriers. The English for Academic Purposes (EAP) program provides a vital path for international students seeking to enroll at Acadia University. In EAP, academically qualified students upgrade their English language proficiency to prepare themselves for undergraduate study.

EAP comprises 5 different levels: Foundations, 500, 1000, 2000, and 3000 (Bridging). Each level is divided between a Speaking and Listening section, and a Reading and Writing section. The 3000 Bridging level (first piloted in 2009) continues to be a successful and rewarding experience for students. Bridging allows students take one 3-hour credit course along with their EAP studies. We have a steadily growing group of professors who are willing to teach for the EAP Bridging level – a great success for the EAP program and an indication of continuing support from the wider university. The percentage of students that graduate from this level remains between 70-80%, and more than 90% of these students continue onto degree programs at Acadia. The EAP program has been in operation for over 14 years.

In the Fall of 2016, The English Language Centre moved its main office to the Fountain Commons. Administrative support that had been provided by Open Acadia's Client Service team is now handled from within the English Language Centre.



## EAP Enrolment Summary for 2016-2017:

Term	EAP Enrolments	% Saudi	% Chinese	% Japanese	% Other
Spring 2016	30	13%	71%	13%	3%
Summer 2016	10	0%	70%	20%	10%
Fall 2016	46	2%	84%	11%	3%
Winter 2017	40	0%	57%	33%	10%
Total 2016-2017	126	5	90	24	7
Total 2015-2016	162	25	96	32	9

In the summer of 2016, The English Language Centre organized and delivered the Acadia Community Learning Program for newcomers to the Annapolis Valley. This program ran from the beginning of June to the middle of August and provided four mornings and two afternoons per week of language instruction to participants aged three to adult. Classes were offered for Preschool (up to age 4), Primary (age 5-8), Junior (9-15), and three levels of adult learners (literacy, beginner and intermediate). There were 37 participants registered in the program. Most were recent refugees from countries including Syria, Eritrea, and Somalia. For many, this was the first formal classroom experience of their lives. Over 100 volunteers were involved with assisting with classroom instruction, extra-curricular programming, transportation, and administration. Acadia partnered with YREACH, the YMCA's branch for settlement support to deliver the extra-curricular aspect of the program, which included music therapy sessions, cooking classes, and physical activity.

Recruitment efforts continue to focus on diversifying the student body. We have maintained the growth of Japanese students coming to our institution. This is in part due to relationships we have with agents and other institutions in Japan, including Kurume University, Doshisha University and Doshisha Women's College. Throughout the year, these institutions send small groups of students to Acadia for a ten to twelve-month period to study EAP and credit courses as independent exchange students.

Total EAP Enrolments showed a decline in the 2016-2017 school year mainly in the number of Saudi students attending the program. This is a direct reflection of changes made to the Saudi Arabian Sponsorship program which has reduced greatly in scale, due to political changes. This decline in other target countries could also be attributed to various factors: global economic changes, changes in CIC regulations, competition from other language schools, and others. This decline in International Students is a trend that has been recognized all across Canada for 2016-2017.

During the past year, between four and five instructors have worked in the EAP program. One instructor is employed on a one-year contract which covers administration duties for the Bridging program, organization and coordination of the Culture Class Program, as well as some curriculum development. This adds significantly to the quality and growth of the EAP program.



### **Beijing Normal University (BNU) Summer Institute**

In July 2016, Open Acadia hosted 37 students and two chaperones from two campuses of Beijing Normal University (BNU) for a 2-week program of English Language studies. These studies were supplemented by Canadian culture classes as well as facilitated field trips around the Annapolis Valley to places such as Lunenburg, Hall's Harbour and other local sight-seeing destinations. After their time at Acadia, the entire group then travelled to Saint Mary's University for an additional two weeks of similar programming.

### **Acadia Lifelong Learning (ALL) Centre**

The Acadia Lifelong Learning (ALL) Centre was established in 2000 as a way of sharing the intellectual and cultural resources of Acadia University with the growing population of senior adults. Courses, seminars, special outings, and extracurricular events are scheduled in the fall and winter semesters. The program is membership-driven and guided by an Advisory Board of Directors.

ALL Membership and Enrolment Summary for 2016–17:

Memberships	247
Courses	195
Acadia Course Audits	65
Seminars / Outings	51

Selected ALL highlights:

- Programming for 2016-17 included 19 courses and events, covering topics such as creative writing, genealogy, Viking history, archaeology, music, photography, Mi'kmaw culture and art.
- The Brown Bag Lunch Seminar Series program also had another successful year. The Brown Baggers meet weekly on Thursdays at noon, from September to April, and the program is free to both ALL members and the Acadia community.
- ALL members continue to enjoy auditing Acadia University credit courses, one of the popular benefits of membership. Each year, more seniors are joining Acadia classes (with instructor permission) to learn about a wide range of topics including Philosophy, Chemistry, Spanish, English, History and Kinesiology.

### **Huggins High School Science Seminar**

Founded by Acadia's esteemed Dr. Charles B. Huggins, Nobel Laureate and Acadia Chancellor Emeritus, the Huggins High School Science Seminar brings talented



Maritime Canadian high-school science students to campus to learn from enthusiastic, innovative scientists. The event is scheduled for the first Friday in May each year and provides students with a chance to meet Acadia faculty and other scientists, and to experience the Acadia campus atmosphere.

The 32<sup>nd</sup> Annual Huggins High School Science Seminar was held on Friday, May 5 with 75 students from around the province in attendance. In 2017, featured presenters included Dr. Peter Williams, Dr. Randy Lynn Newman, and Dr. Richard Karsten.

In 2017 we expanded upon the interactive component idea we first initiated in 2016. This year we had 4 “mini-sessions” that smaller groups of students cycled through. The mini-sessions included tours of the KC Irving Centre & Botanical Gardens, the Biology Building and the mLab, as well as a hands-on demo of making ice cream.

### Summer Music Academies

In 2014, Open Acadia resumed coordination of the Summer Music Academies, although Acadia has been hosting this program for over 40 years. The Concert Camp program offers students intensive instruction with their instrument in both small group and large ensembles. The age range with this group is 10-18 years old, and the camp welcomes complete beginners as well as more experienced and serious students who hope to pursue music in university. The Camp also welcomes adults participating in Community Bands in Atlantic Canada. The week-long program consists of lessons and rehearsals during the day, while Open Acadia counsellors lead activities and social events each evening for all students. The faculty for this program come from all over Canada, including faculty from Acadia.

Year	Student Registrations	Community Band Members
2016	132	18

As always, the final concert proved to be an exciting event where students showcased their new or improved talents for an audience of over 500 people in the Festival Theatre building on-campus. All four levels of bands performed, in addition to a number of small ensembles and solo performances.

## OPEN ACADIA 2015-16

Open Acadia is Acadia University's unit which supports the offering of flexible programming and learning opportunities to both Acadia students and to the community beyond. It provides Acadia students with the flexibility to work towards their degrees in convenient summer or online formats, and offers educational opportunities to youth, professionals, and seniors. Programs are delivered utilizing pedagogical methods that match the preferences and needs of diverse student groups, on-campus, off-campus, and online.



To provide this flexibility, Open Acadia collaborates with academic units and various other units on campus, including the Registrar’s Office, Human Resources, Technology Services, Student Accounts, Residence Life, Enrolment Services, and the Business Office.

### Contributions and Growth

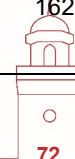
Open Acadia had another very busy year in 2015-2016. Online course offerings continued to grow, with more than 1300 enrollments in online undergraduate courses and more than 500 additional ones in graduate courses online. Intersession offerings continue to be an essential option for students, with more than 70 undergraduate courses delivered this past year, along with 37 more in the School of Education’s Graduate Summer Institute. Enrolments in the TESOL and French Proficiency programs remained strong, while the Acadia Centre for International Languages saw continuing diversity in its programs, as was also the case with Acadia Lifelong Learning initiatives toward community outreach.

Operationally, Open Acadia also had another successful year, and on the financial side, made a net contribution to the University for 2015-16 of just over \$1.75 million.

### Undergraduate and Graduate Credit Enrolments

In support of its Academic partners, Open Acadia offers undergraduate and graduate credit courses in several formats. The following table provides a summary of the courses offered in 2015–2016 along with the given enrolment information.

Type	Format	Courses	Enrolments			
			Canadian	International	Total*	FCEs
Undergraduate Intersession (Spring / Summer 2015)	Classroom	66	370	396	766	383
Undergraduate Fall / Winter	Offsite Classroom	4	59	0	59	29.5
Undergraduate Online	Online / Distance	115	1153	167	1320	668.5
TESOL Face-to-Face (Undergraduate / Graduate)	Classroom	3	69	0	69	34.5
TESOL Online (Undergraduate / Graduate)	Online / Distance	3	55	0	55	27.5
EAP Bridging	Classroom	4	0	53	53	26.5
Class Afloat	Online / Distance	9	49	0	49	24.5
French Proficiency	Classroom	8	78	0	78	39
Graduate Education Spring / Summer 2015	Classroom	41	641	8	773	328.5
Graduate Education Fall 2016 / Winter 2016	Classroom	25	323	1	373	162.5





Graduate Education Online	Online / Distance	15	514	6	512	263.0
<b>Total</b>		<b>293</b>	<b>3,311</b>	<b>631</b>	<b>4,107</b>	<b>1,987</b>

\* includes some 6-credit hour courses

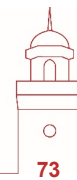
## Intersession

Acadia's Intersession program provides a compacted study option for those students wishing to accelerate their program, to make up a missing credit, or looking to lighten their course load for future terms. The wide variety of compressed 3-week course options available from May through August continues to draw students back to campus, and it is very attractive to many of our international students.

The following undergraduate courses were offered during the 2015 Intersession (Spring and Summer):

ART 2013 Studio Art 1	ART 2023 Studio Art 2
ART 3013 Painting 1	ART 3023 Painting 2
BIOL 1813 Human Biology 1	BUSI 1013 Financial Accounting 1
BUSI 1703 Introduction to Business	BUSI 2013 Management Accounting
BUSI 2033 Financial Accounting 2	BUSI 2223 Fundamentals of Finance 1
BUSI 2233 Fundamentals of Finance 2	BUSI 2423 Marketing Principles
BUSI 2433 Marketing Strategy	BUSI 2513 Operations Management
BUSI 2733 Organizational Behaviour 1	BUSI 2743 Organizational Theory
BUSI 3063 Management Science	BUSI 3373 Personal Income Tax
BUSI 3383 Taxation for Corporations	BUSI 3613 Business Law
BUSI 4953 Busi & Corporate Strategy	BUSI 4963 Strategic Issues In Busi
CODE 1023 Environ & Sustainability	CODE 4593 Topics: Food Systems
CHEM 1013 General Chemistry 1	CHEM 1023 General Chemistry 2
CHEM 2513 Organic Chemistry 1	CHEM 2773 Biochemistry for Life Sciences
COMM 1213 Communication 1	COMP 1123 Computer Programming 2
COMP 1813 Computer Concepts & App	COMP 2853 Handling Data Concepts/Apps
COMP 2903 Computers & Society	ECON 1013 Microeconomic Principles
ECON 1023 Intro to Macroeconomics	ECON 3523 Industrial Organization 1
ECON 2613 Empirical Analysis In Econ & Busi 1	ECON 3883 Topics: Can & Global Economy
ENGL 1313 Comp 2nd Lang Students 1	ENGL 1413 Writing & Read Critically 1
ENGL 1423 Writing & Read Critically 2	FRAN 2013 Francais Avance 1, Niveau 1
FRAN 2023 Francais Avance 1, Niveau 2	FRAN 2713 Comp Et Expression Ecrites
FRAN 3153 Expression Orale Avanee, Niveau 3	FRAN 3703 La France Contemporaine
FRAN 3733 Expression Ecrite Avancee	FRAN 4003 Sociolinguistique
FRAN 4403 Enseignement Du Francais	GEOL 1033 General Oceanography
GEOL 1073 Natural Disasters	HIST 1413 Global History Before 1700
HIST 2493 Canadian History On Film	HIST 2693 Topics: Field Archaeology
KINE 4563 Adventure Education	MATH 1023 Introductory Calculus II
MATH 1223 Stats: Busi/Behavioral Sciences 2	MATH 1543 Mathematical Concepts II
MATH 1583 Probability/Data/Proportion	MATH 1613 Gen Linear Algebra Calcn
MUSI 1063 Music Theory Non-Majors 1	MUSI 1353 Guitar Class
MUSI 2063 Musics of The World	MUSI 2903 Spec/Music: Jazz History
MUSI 3003 History of Rock Music	NUTR 1333 Food Commodities 1
NUTR 2323 Food & People	PHYS 1053 General Physics 1
PHYS 1063 General Physics 2	PHYS 1513 Astronomy 1
PSYC 2163 Psychology of Gender	RECR 5693 Seminar in Leisure Studies
SOCI 1013 Introduction to Canadian Society	SOCI 2113 Issues in Developing Societies
SPAN 1013 Intro Spanish Language 1	SPAN 1023 Intro Spanish Language 2
WGST 3703 Spec/Topic: Women in Hip Hop	

## Online and Distance Learning



With more than 125 online courses from the Faculties of Arts, Sciences, and Professional Studies, Acadia University programming extends well beyond the traditional classroom. The growing demand for flexibility from post-secondary students is being clearly shown by the steady increases in online course enrolments over the past ten years. The ability to study from virtually anywhere, at any time, attracts not only Acadia students, but also independent students, and students on letters of permission from other institutions in the Maritimes, and beyond. Enrolment in online undergraduate courses during 2015-2016 increased by almost 2.3 percent over 2014-2015, and there has been an enrolment increase of nearly 102 percent from 2009-2010 numbers.

We also continue to maintain our relationship with West Island College's Class Afloat™ University program, which started in 2007, based on students in that program completing online courses from Acadia, as they travel around the globe on a tall ship. Open Acadia also continues to offer undergraduate credits to Dalhousie University, with their Nursing students elective courses as needed.

The following **online undergraduate courses** were offered during the 2015-2016 year:

- |   |   |
|---|---|
| ART 3313 Topics in the History of Art - Textile Arts        | BIOL 1113 Organisms and Their Environment 1     |
| BIOL 2053 Microbial Biodiversity                            | BIOL 2663/2563 Marine Biology                   |
| BUSI 1013 Financial Accounting 1                            | BUSI 1703 Introduction to Business              |
| BUSI 2013 Management Accounting                             | BUSI 2033 Financial Accounting 2                |
| BUSI 2223 Fundamentals of Finance 1                         | BUSI 2233 Fundamentals of Finance 2             |
| BUSI 2423 Marketing Principles                              | BUSI 2513 Operations Management                 |
| BUSI 2743 Organizational Theory                             | BUSI 2803 Business Technology Management        |
| BUSI 3063 Management Science                                | BUSI 3313 Human Resource Management             |
| BUSI 3433 Consumer Behaviour                                | BUSI 3613 Business Law 1                        |
| BUSI 3723 Organizational Change                             | BUSI 3763 Cross-Cultural Management             |
| BUSI 4633 Ethics, Business and Society                      | BUSI 4663 project Management                    |
| BUSI 4913 Online Competitive Intelligence Business Strategy | CHEM 2513 Organic Chemistry 1                   |
| CODE 1013 Foundations of Leadership                         | COMM 1213 Communication 1                       |
| COMP 1113 Computer Programming 1                            | COMP 1123 Computer Programming 2                |
| COMP 1813 Computer Concepts and Applications                | COMP 2103 Computer Programming 3                |
| COMP 2203 Computer Architecture & Org. 1                    | COMP 2213 Computer Architecture & Org.2         |
| COMP 3613 Artificial Intelligence                           | COMP 3703 Translators                           |
| COMP 3773 Advanced Object Oriented App Dev with C++         | CREL 2533 'Cults': New Religious Movements      |
| ECON 1013 Microeconomic Principles                          | ECON 1023 Intro to the Study of Macroeconomics  |
| ECON 3733 Economics of Recreation and Sport                 | ECON 3743 Economics of Tourism                  |
| ENGL 1213 Composition 1                                     | ENGL 1223 Composition 2                         |
| ENGL 1406 Writing and Reading Critically                    | ENGL 1413 Writing and Reading Critically 1      |
| ENGL 1423 Writing and Reading Critically 2                  | ENGL 2013 Exploring Creative Writing: An Intro. |
| ENGL 2183 Shakespeare 1                                     | ENGL 2193 Shakespeare 2                         |
| ENGL 2476 Victorian Studies                                 | ENGL 2683 American Literature 1                 |
| ENGL 2783 Nineteenth Century Fiction                        | ENGL 3753 Studies in the Short Story            |
| ENGL 3763 Studies in the Canadian Short Story               | FRAN 1113 Basic French 1                        |
| FRAN 1123 Basic French 2                                    | FRAN 1213 Intermediate French 1                 |
| FRAN 1223 Intermediate French 2                             | FRAN 3523 Litterature Acadienne                 |
| FRAN 4413 Lectures Dirigées 1                               | GEOL 1033 General Oceanography                  |
| GEOL 2753 Atmosphere, Weather and Climate                   | HIST 1103 Western Civilization 1                |
| HIST 1113 Western Civilization 2                            | HIST 2343 Maritime Provinces to 1867            |
| HIST 2353 Maritime Provinces Since 1867                     | HIST 2613 History of Medicine                   |
| IDST 3103 Environmental Law                                 | KINE 4233 Stress Management                     |
| KINE 4593 ST: Promoting Physical Activity for Youth         | KINE 4593 Intro to Canadian Health Care System  |



KINE 4893 Disability Sport	LATI 1103 Elementary Latin 1
LATI 1113 Elementary Latin 2	MATH 0110 Pre-University Mathematics
MATH 0120 Advanced Pre-University Mathematics	MATH 1413 Discrete Math and Matrix Algebra
MATH 1533 Mathematical Concepts 1	MATH 1543 Mathematical Concepts 2
MATH 1613 Linear Algebra and Calculus for Business / Econ	MUSI 1033 Reading and Writing Music 1
MUSI 1043 Reading and Writing Music 2	NUTR 1313,2503 Human Nutrition 1
NUTR 1323,2513 Human Nutrition 2	NUTR 1503 Contemporary Issues in Nutrition
NUTR 2323,1513 Food and People	NUTR 3533 Sports Nutrition
PHYS 1513 Astronomy 1 - The Solar System	PHYS 1523 Astron. 2 - Stars, Galaxies & Universe
PHYS 3423 Subatomic Physics	POLS 2683 Global Politics
POLS 2783 Global Issues	PSYC 1013 Intro to Psychology: Experimental Area
PSYC 1023 Introduction to Psychology: Applied Area	PSYC 2103 Social Psychology
PSYC 2163 Psychology of Gender	PSYC 3183 Industrial/Organizational Psychology
PSYC 3193 Industrial/Organizational Psychology	SOCI 1013 Introduction to Canadian Society
SOCI 1033 Introduction to Sociology: Social Problems	SOCI 1113 Introduction to Cultural Anthropology
SOCI 2343 Sociology of Aging	SOCI 2363 Women and Aging
SOCI 2353 Community Development with the Rural Elderly	SOCI 2553 Sociology of Education
SOCI 2713 Sociology of Deviance	SOCI 2723 Canadian Criminal Justice
SOCI 2753 Principles of Criminology	SOCI 2853 The Anthropology of Magic and Religion
SOCI 3363 Sociology of Death and Dying	SOCI 3373 Aging in Cross-cultural Perspective
SOCI 3393 Special Topics in Death and Dying	SOCI 3803 Lesbian and Gay Studies
SPAN 1013 Introductory Spanish Language 1	SPAN 1023 Introductory Spanish Language 2
WGST 2906 Women & Gender in the Modern World	

The following online graduate education courses were also offered during the 2015-2016 year:

EDUC 50G3 Research Literacy	EDUC 50J3 Prin. of Assessment for Counselling
EDUC 5003 Human Development and Learning	EDUC 5053 Mentoring Beginning Teachers
EDUC 5123 Curriculum Practice for Diverse Learners	EDUC 5203 Introduction to Educational Technology
EDUC 5213 Org. Theory and School Culture	EDUC 5273 Education and the Law
EDUC 5303 Principles of Assessment: Education Focus	EDUC 5513 Research Design in Education
EDUC 5553 Topics in Counselling: Spirituality	EDUC 5563 Career Counselling
EDUC 5673 Current Research and Theory in Curriculum	EDUC 5773 Community Pers School & Society
EDUC 5843 Instructional Design: Multi-age Pedagogy	

### Master of Education Programs

Open Acadia supports our School of Education in providing full-time and part-time students with study options that meet the diverse needs of today's educators. Courses are offered through fall, winter, spring, and summer at Acadia's campus and also at locations around Nova Scotia and beyond. There are also selected courses available online, and a Summer Institute in Wolfville. Master of Education degrees are conferred in the areas of Counselling, Leadership, Curriculum Studies, and Inclusive Education.

These programs are available on a full or part-time basis and through customized cohort scheduling. More than 90 graduate education courses were offered in the past year, accounting for nearly 1500 total graduate enrolments. Open Acadia is currently supporting delivery of cohort programs and courses to more than 500 active graduate education students. Some other highlights:

- The fourth cohort for Health Inter-professionals (in collaboration with Dalhousie's College of Medical Education) is set to begin in September 2016.
- The fourth specialized cohort for Music Educators began in January 2016.



- Courses in Technology Education were again offered during the year for cohorts from the Dalhousie Agricultural campus.

### **Certificate in French Proficiency**

The 2015 French Proficiency Summer Institute, which offers French language teachers an opportunity to improve their level of French, was held in July. The number of French language teachers participating increased for a total of 78 course registrations. Course offerings included:

FRAN 2013 Français Avancé, Niveau 1

FRAN 2713 Compréhension et Expression Écrites

FRAN 3703 La France Contemporaine

FRAN 4003 Sociolinguistique

FRAN 2013 Français Avancé, Niveau 2

FRAN 3153 Expression Orale Avancée, Niveau 3

FRAN 3733 Expression Écrite Avancée

FRAN 4403 Méthodologie de l'Enseignement du Français Langue Seconde

### **Certificate in Math Teaching**

The School of Education and the Department of Mathematics and Statistics collaborate to offer a Certificate in Math Teaching through Open Acadia. This program was approved back in 2013 by the Teacher Certification branch of Nova Scotia Department of Education and it is intended for teachers of Mathematics grades 5-9. The program was created in consultation with math consultants and program leaders, with a view to addressing the teaching, learning, and assessment of key topics in the provincial math curriculum at the Middle School grade levels.

The first cohort of teachers in the Annapolis Valley Regional School Board completed the two-year program in July 2015, and a second cohort of teachers from other boards is set to finish in the Fall of 2016, while a third cohort (our largest yet) begins in September 2016.

Courses in the program include:

MATH 1533 Mathematical Concepts 1

MATH 1543 Mathematical Concepts 2

MATH 1553 Patterns and Algebra

MATH 1563 Number: Whole Numbers, Integers, Rationals, Real Numbers

MATH 1573 Geometry: 2D and 3D

MATH 1583 Probability, Data Analysis, and Proportion

EDUC 5673 Current Research and Theory in Curriculum: Mathematics

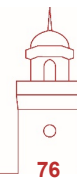
EDUC 5843 Instructional Design: Mathematics Instruction

EDUC 5303 Principles of Assessment for Mathematics

EDUC 5053 Problems in Education: Mathematics

### **TESOL Certificate**

Acadia's Teaching English to Speakers of Other Languages (TESOL) program has been delivered both online and in the classroom for eight years. The program is highly attractive to Acadia students completing the Bachelor of Education program, but the TESOL Certificate also appeals to students from other academic backgrounds who desire the training that qualifies them to teach English in Canada or abroad. The 9-credit-hour Certificate is available on-campus or online, and the 20-hour Practicum is



available on-campus with our English for Academic Purposes (EAP) program or off-site through other approved ESL locations.

## Non-Credit Programs

### Acadia Centre for International Languages (ACIL) - English for Academic Purposes (EAP) Program

Acadia’s international students form a vibrant part of the campus community. However, for an international student, beginning an undergraduate degree is often particularly challenging due to language barriers. The English for Academic Purposes (EAP) program provides a vital path for international students seeking to enroll at Acadia University. In EAP, academically qualified students upgrade their English language proficiency to prepare themselves for undergraduate study.

EAP comprises 5 different levels: Foundations, 500, 1000, 2000, and 3000 (Bridging). Each level is divided between a Speaking and Listening section, and a Reading and Writing section. The 3000 Bridging level (first piloted in 2009) continues to be a successful and rewarding experience for students. Bridging allows students take one 3-hour credit course along with their EAP studies. We have a steadily growing group of professors who are willing to teach for the EAP Bridging level – a great success for the EAP program and an indication of continuing support from the wider university. The percentage of students that graduate from this level remains between 70-80%, and more than 90% of these students continue onto degree programs at Acadia. Open Acadia’s EAP program has been in operation for over 14 years.

#### EAP Enrolment Summary for 2015-2016:

Term	EAP Enrolments	% Saudi	% Chinese	% Japanese	% Other
Spring 2015	32	16%	50%	34%	0%
Summer 2015	23	4%	66%	26%	4%
Fall 2015	61	15%	62%	13%	10%
Winter 2016	46	24%	59%	15%	2%
<b>Total 2015-2016</b>	<b>162</b>	<b>25</b>	<b>96</b>	<b>32</b>	<b>9</b>

- Recruitment efforts continue to focus on diversifying the student body. We have maintained the growth of Japanese students coming to our institution. This is in part due to relationships we have with agents and other institutions in Japan, including Kurume University, Doshisha University and Doshisha Women’s College. Throughout the year, these institutions send small groups of students



to Acadia for a 10-12-month period to study EAP and credit courses as independent exchange students.

- Total EAP Enrolments showed a decline in the 2015-2016 school year mainly in the number of Chinese students attending the program. This decline could be attributed to various factors: global economic changes, changes in CIC regulations, competition from other language schools, and others.
- In 2015, we also continued to develop articulations for pathway programs with other institutions. This allows students to enter the Acadia EAP program or undergraduate study from other approved programs without the need for further testing. In order to become an approved pathway program, standards, policies, curricula and outcomes are scrutinized.
- The Science without Borders program continued in 2015. We hosted one Brazilian student in the EAP program who continued degree program studies following completion of language training.
- During the past year, between four and five instructors have worked in the EAP program. One instructor is employed on a one-year contract which covers administration duties for the Bridging program, organization and coordination of the Culture Class Program, as well as some curriculum development. This adds significantly to the quality and growth of the EAP program.

### **Beijing Normal University (BNU) Summer Institute**

In July 2015, Open Acadia hosted 27 students and two chaperones from two campuses of Beijing Normal University (BNU) for a 2-week program of English Language studies. These studies were supplemented by Canadian culture classes as well as facilitated field trips around the Annapolis Valley to places such as Lunenburg, Hall's Harbour and other local sight-seeing destinations. After their time at Acadia, the entire group then travelled to Saint Mary's University for an additional two weeks of similar programming.

### **Languages Canada Brazilian Partnership Program**

In July 2015, ACIL also hosted a scholarship student from Uberlândia, Brazil for an English and TESOL program. For two weeks, the learner, an English Teacher in the English Without Borders Program, engaged in a wide variety of Academic Programming, and took part in Introductory TESOL classes. She also observed EAP classes on campus. After two weeks, she was hosted by Apex Language and Career College (ALCC) in Halifax, for the second part of her program. This was a wonderful opportunity to connect with the English Without Borders program in Brazil, to gain visibility with the Universidade de Uberlândia and the Ministry of Education, and to build relationships with future English faculty members in Brazil.

### **Acadia Lifelong Learning (ALL) Centre**



The Acadia Lifelong Learning (ALL) Centre was established in 2000 as a way of sharing the intellectual and cultural resources of Acadia University with the growing population of senior adults. Courses, seminars, special outings, and extracurricular events are scheduled in the fall and winter semesters. The program is membership-driven and guided by an Advisory Board of Directors.

ALL Membership and Enrolment Summary for 2015–16:

Memberships	221
Courses	211
Acadia Course Audits	49
Seminars / Outings	14

Selected ALL Highlights:

- Programming for 2015-16 included 21 courses and events, covering topics such as creative writing, extreme environments, history, archaeology, music, brain health and art.
- The Brown Bag Lunch Seminar Series program also had another successful year. The Brown Baggers meet weekly on Thursdays at noon, from September to April, and the program is free to both ALL members and the Acadia community.
- ALL members continue to enjoy auditing Acadia University credit courses, one of the popular benefits of membership. Each year, more seniors are joining Acadia classes (with instructor permission) to learn about a wide range of topics including Philosophy, Chemistry, Spanish, English, History and Kinesiology.

### Huggins High School Science Seminar

Founded by Acadia’s esteemed Dr. Charles B. Huggins, Nobel Laureate and Acadia Chancellor Emeritus, the Huggins High School Science Seminar brings talented Maritime Canadian high-school science students to campus to learn from enthusiastic, innovative scientists. The event is scheduled for the first Friday in May each year and provides students with a chance to meet Acadia faculty and other scientists, and to experience the Acadia campus atmosphere.

The 31st Annual Huggins High School Science Seminar was held on Friday, April 29 with 73 students from around the province in attendance. In 2016, featured presenters included Dr. Matthew Lukeman, Dr. Anna Redden, and Dr. Scott Landry.

In 2016, an interactive component was added to the seminar led by Dr. Danny Silver. Each presentation gave students data to be using in a data analytics workshop at the



end of the day where students worked in groups to solve a problem.

### Summer Music Academies

In 2014, Open Acadia resumed coordination of the Summer Music Academies, although Acadia has been hosting this program for over 40 years. The Concert Camp program offers students intensive instruction with their instrument in both small group and large ensembles. The age range with this group is 10-18 years old, and the camp welcomes complete beginners as well as more experienced and serious students who hope to pursue music in university. The Camp also welcomes adults participating in Community Bands in Atlantic Canada. The week-long program consists of lessons and rehearsals during the day, while Open Acadia counsellors lead activities and social events each evening for all students. The faculty for this program come from all over Canada, including faculty from Acadia.

Year	Student Registrations	Community Band Members
2015	128	13

The week was extremely successful culminating in a free concert for families and the community on Saturday, July 11<sup>th</sup>. As always, the final concert proved to be an exciting event where students showcased their new or improved talents for an audience of over 500 people in the Festival Theatre building on-campus. All four levels of bands performed, in addition to a number of small ensembles and solo perform.

## CO-OPERATIVE EDUCATION 2017-18

### Summary

Co-operative Education is offered with 84% of all degrees at Acadia University including Sciences, Arts, and Business Administration.

### Recent Statistics

- 255 Co-op work terms occurred over 2018, the largest number ever achieved
- In 2017, Acadia Co-op students earned ~\$1.93 million in Co-op wages
- 41% of 2017 Co-op graduates reported graduating debt-free
- 90% of 2017 Co-op graduates who did not go on to pursue further education were employed within 6 months of graduation

### Current Initiatives

Now to Next: Nova Scotia Co-operative Education Summit 2019  
Marriott Harbour Hotel Waterfront, Halifax, Nova Scotia, Friday, March 8, 2019  
<https://www.nscoops Summit.com/>

In 2017, the Directors and Managers of Nova Scotia's university Co-operative Education programs co-wrote a provincial grant and received funding from the





Experiential Learning Initiative provided through the Nova Scotia Department of Labour and Advanced Education to hold an inaugural Nova Scotia Co-op Summit. This unique forum provided all Co-op stakeholders (students, employers, government, faculty and Co-op professionals) the opportunity to gather and to celebrate the integral role of Co-operative Education in our province.

The event was extremely successful. In March 2019, monies raised from the first event will be reinvested for the second NS Co-op Summit to be held March 8, 2019. This summit will have a focus on small to medium sized enterprises (SME's), a group identified through participants in a design-thinking session at the first Co-op Summit as playing a critical role in furthering both Co-op as an educational strategy, but also the Ns economy. With the 2019 Summit, we will empower and motivate SME's to incorporate students into their businesses, offering tools for onboarding, and provide many networking opportunities for employers and students. Students will also gain opportunities for development and empowerment in their own Co-op journey.

### **Pilot with Communications Security Establishment**

The Communications Security Establishment (CSE), Canada's National Cryptologic Agency, is launching a first-of-its-kind, pilot program in partnership with Acadia Co-op. CSE has hired Acadia Co-op students for 15+ years and approached us with the opportunity based on our reputation for excellence. Three Computer Science Co-op students were hired for Summer 2018 and were employed on-campus within the Jodrey School of Computer Science versus in Ottawa (addresses students' desire for local work terms. Projects will be unclassified, open source – working to develop advanced analytics to enhance Canadian cyber security. The pilot was very successful and CSE would like to increase the number of student hires moving forward with the potential of expanding the pilot to include Math and Statistics students.

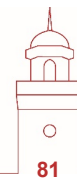
### **Departmental Restructuring**

To retain the high quality of Co-op program delivery under the strain of ever-growing Co-op student enrollment, Acadia's Co-op team added Matthew Balsor to their ranks in August 2017. Matthew was hired as a full-time Co-op Coordinator for Business, Acadia's largest Co-op program.

Each Co-op Coordinator is assigned to specific majors or programs. With variable Co-op enrollments in different programs, inequalities in workloads were arising which required a redistribution of programs amongst coordinators. Changes include:

- Shelley McMullin took ownership of Economics and community Development from Christina McRae
- Beth MacKenzie took ownership of Biology from Michelle Larsen
- Michelle Larsen took ownership of Math, Physics, Chemistry and Nutrition from Beth MacKenzie

## **CO-OPERATIVE EDUCATION**



## 2015-16

The Co-op program at Acadia is highly respected and was ranked the top program in Canada in 2013 for our institutional size as well as the top Co-op program in Atlantic Canada overall. Among similar institutions, Acadia's Co-op Program is advanced in terms of its quality, size, and reach with a Co-op option available in over 80% of disciplines giving Acadia a distinct competitive recruitment advantage across business, sciences and the arts. Of the Maple League of Universities, St. FX provides Co-op only in biology, business, computer science, nutrition, and math, Bishop's only in business and computer science, and Mount Allison has just one small pilot program in business.

Both the federal government (through the announcement of \$40 million which will be allocated towards the development of Co-op opportunities) and the Nova Scotia provincial government (through their Co-operative Education Incentive Co-op student wage subsidy program, a new Experiential Learning Initiative Funding program aimed at increasing experiential learning opportunities in Nova Scotia, and inclusion of Co-op in post-secondary institution bilateral agreements) have recognized the critical and transformative role Co-op plays in post-secondary education as well as the role Co-op plays in transitioning students into the job market post-graduation. Co-op allows students to put concepts learned in the classroom into practice, solidifying knowledge into tangible, marketable skills; to build industry connections and references; to help finance their education (Acadia Co-op students earned 1.7 million dollars in wages in 2015); to build confidence; and to test-drive careers as a way for students to actively explore where they want to take their degree.

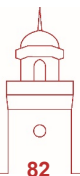
Regionally, the One Nova Scotia report identified that the support and enhancement of experiential learning opportunities within post-secondary institutions was key in youth retention and in moving the Nova Scotia economy forward, particularly within rural locations. Acadia University is uniquely positioned to have a significant impact on the growth of experiential learning opportunities within rural Nova Scotia because of our rural location, our strong reputation as a leader in experiential learning and the already existing connections within local community which can be leveraged. By directly linking industry to motivated, top students and offering students greater opportunities here at home, the result will be keeping skilled workers in Nova Scotia for the long-term to the overall benefit of the provincial economy.

*“Co-op was a huge part of my success as a student and as a budding scientist. Deciding to join Co-op was easily the best decision I made here at Acadia and whatever I do in the future, I will remember that it is where I got my roots.”*

~Alex Johnson '15

### **Co-op Enrollment and Addition of Programs**

Acadia's Co-op program continues to thrive with increased interest from prospective and current students, parents, government and industry partners. Over the past five



years, enrollment in Co-op has grown by 74%. As an example, with the addition of a designated Arts Co-op Coordinator, Christina McRae, Arts Co-op enrollment went from 6 to 11 to 25 to 49 between 2012 and 2016 highlighting the increased interest in non-traditional Co-op programs.

Student enrollment in Co-op also continues to rise within traditional programs with expectations of total Co-op enrollment being over 350 students after the 2016/2017 intake. Co-op students completed a record total of 232 work terms during the 2015/16 year. MPHEC has recently approved Co-op as a degree option with the Bachelor of Arts in Women and Gender Studies program as well as with Bachelor of Community Development which includes a major in Environmental and Sustainability Studies. A Co-op Option for Bachelor of Arts in Environmental and Sustainability Studies awaits approval.

### **Departmental Restructuring**

To retain the high quality of Co-op program delivery under the strain of ever-growing Co-op student enrollment, Acadia's Co-op team added Beth MacKenzie-Acuna to their ranks in 2015-16. Ms. MacKenzie-Acuna was hired as a full-time Co-op Coordinator for the Sciences, taking over the coordination of multiple science programs from Michelle Larsen who was promoted to Manager of Co-operative Education in November 2015. The department was re-centralized from a reporting perspective with all Co-op Coordinators (now totaling three) reporting to the Manager who reports to the Vice-President Academic versus each coordinator reporting to their respective Deans. Shelley McMullin, the Business Co-op Coordinator, continues to physically work out of the School of Business while everyone else has been relocated to a new (to Co-op) Student Services building, Rhodes Hall, central to campus.

In addition to full-time staff, one Co-op student was employed in the Co-op office in each of the Fall and Winter terms as Talent Acquisition Facilitators. Through strong applications, both positions were awarded 50% financial support via the Co-operative Education Incentive program administered by the Nova Scotia Department of Advanced Labour and Education (~\$8000 total). Additionally, in collaboration with Acadia's Accessibility Services department, the Co-op Office has begun research investigating barriers to employment for equity-seeking students, primarily students with physical or learning disabilities, in an effort to find effective strategies to assist and support these students in their search for Co-op work terms. Nova Scotia Department of Advanced Labour and Education has also supported the hire of two Acadia Co-op students (one in each of summer and fall terms) by providing 50% of their wages to carry out this work. This project is also in collaboration with Mount Saint Vincent University.

### **National Accreditation Received**

Following a rigorous review which holds Co-op programs to the highest standard of quality within Canada, Acadia's Co-op program has received unofficial word that it has received national accreditation with the Canadian Association of Co-operative



Education, the governing body for Co-op within Canada. This accreditation is held for a period of six years.

### **Rural Outreach and Co-op Bridging Program**

Acadia University's Co-op Office submitted a proposal to the Nova Scotia Department of Advanced Labour and Education in response to a call for proposals under the Experiential Learning Initiative Funding program. We proposed the launch of an innovative new Rural Outreach and Co-op Bridging Program, which would be integrated into Acadia University's top-ranked Co-operative Education program and received funding in the amount of \$59,300. The funding will support the hire of a full-time one-year contract position to launch the Rural Outreach and Co-op Bridging Program along with associated travel and promotional costs.

There are two branches of this program. First, the Rural Outreach component will significantly increase the capacity of Acadia's Co-op program to engage rural employers in the Annapolis Valley, South Shore and Southwest regions of Nova Scotia. The program will promote and increase awareness of the benefits of hiring Co-op students amongst rural employers resulting in an increased number of Co-op opportunities for students in regions experiencing heightened economic challenges and population decline.

The second component of the Rural Outreach and Co-op Bridging Program focusing on bridging will act as a pilot for a new experiential learning bridging mechanism which would help students who have identified a specific career track i.e. environmental consulting to gain access to employers in this field early in their degree with the goal of finding student/employer matches which would be sustained throughout the duration of the student's degree. The program would begin by having students job shadow professionals in their field in year two of their university degree, providing mentorship and development opportunities. If the match is a fit for both parties, the student would complete 3-4 Co-op opportunities with the same employer throughout the remainder of their degree leading to full-time employment upon graduation within the organization, ultimately retaining a greater number of youth within the province of Nova Scotia. For employers, they would benefit by gaining access to top talent early on allowing for confirmation of fit within the organization with minimal risk, the ability to advise students on learning opportunities throughout their degree which would advance skill development and the formation of strong relationships which will aid in recruitment.

### **Rejuvenation of AxeRadio**

The Maple League of Universities is supporting the hire of an Acadia Co-op student to rejuvenate AxeRadio starting this September 2016. The goals of this project are to increase student participation in the administration and contribution of content to AxeRadio as well listenership, to instill a stronger sense of community on-campus through the sharing of information, to connect students with the broader community (in particular, the Town of Wolfville), to launch a collaborative podcast initiative with



partner institutions which could see classroom lectures streamed live and to connect students/Faculty and expand dialogue/learning across campuses.

### **2014 Acadia Co-op Graduate Survey Results**

A survey was carried out in 2015 on Acadia's 2014 Co-op graduates and recently analyzed (the 2015 Co-op graduate survey is soon set to launch). Results from the Acadia 2014 Co-op Graduate Survey showed that:

- 60% of Co-op students graduated with zero student debt
- 100% of Co-op graduates seeking jobs secured them within six months of graduation
- The majority of Co-op graduates secured positions within a month of graduation
- 73% of Co-op graduates secured roles which were highly correlated to their field of study
- 30% of Co-op graduates went on to pursue further education
- The average starting salary for a Co-op graduate was \$34,250/year
- 100% of respondents were highly satisfied with the Acadia Co-op experience

## **DIVISION OF RESEARCH AND GRADUATE STUDIES 2017-18**

### **Major CFI Innovation Fund (IF) award for Acadia - *Environmental Monitoring, Modelling and Forecasting Infrastructure for Instream Tidal Energy* (Project total: \$2.8 M)**

Acadia University's Dr. Richard Karsten (Mathematics & Statistics, Acadia Tidal Energy Institute) was the lead researcher on a project that received an Innovation Fund award from the Canadian Foundation for Innovation (CFI). Karsten heads a team of ten of Canada's leading tidal energy researchers from Acadia, Dalhousie, UNB and MUN that is pursuing two thematic research thrusts: the impact of the environment on in-stream tidal turbines and the impact of tidal turbines on the environment. The project, worth \$2.8 million in research funding (\$1,119,556 from CFI, \$475,000 from the Province of Nova Scotia, with additional matching funds from other sources) for state-of-the-art field equipment and high-end computing infrastructure. This award is particularly significant as over the last two IF competitions, the number of proposals led by institutions in Atlantic Canada was very small, and none of these proposals received funding. Across the country, small institutions received only 3.4% of funding in the 2015 round.

Acadia researchers have been successful in leveraging the CFI award to acquire additional research support. Two multi-year/multi-institutional projects were awarded to Acadia researchers via a joint research call from OERA-NRCan focused on tidal energy-related technology innovation. "*Quantifying fish-turbine interactions using new VEMCO tagging technology*" is being led by Dr. Mike Stokesbury, and "*Reducing costs of tidal energy through a comprehensive characterization of turbulence in Minas Passage*", is being led by Dr. Richard Karsten. Each project was awarded \$240,000.



Dr. Mike Stokesbury has further leveraged the funding and has been successful in receiving two large Mitacs awards. Mitacs funds research and training programs for undergraduate, graduate students and postdoctoral fellows in partnership with universities, industry and government in Canada. Both of these projects are providing information central to predicting negative effects of operating turbines on fishes at the population level. One award funds a post-doctoral fellow and is valued at \$90,000. The second award funds three Masters students and is valued at \$120,000 (note: these funds include the matching portion already received through the OERA award).

### **Danny Silver (Computer Science) secures \$493,800 in funding from Invest NS for Data Runway Project**

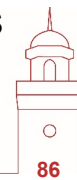
Dr. Danny Silver (Computer Science), Director of the Acadia Institute for Data Analytics (AIDA), was successful on a recent submission to Invest NS for the *Data Runway* project, a three-year project with a total value over \$714,000 (\$493,800 from Invest NS). This funding will enable Dr. Silver to expand AIDA's success working with Nova Scotia/Atlantic Canadian companies interested in using data analytics and machine learning to create new products and services. Invest Nova Scotia is a fund designed to foster innovation and collaboration that improves Nova Scotia's competitiveness in the global economy.

### **Robin Browne secures \$499,330 to support the wine and grape industry**

Dr. Robin Browne, Research Scientist with Acadia's K.C. Irving Environmental Science Centre, was successful in securing \$499,330 for a key initiative in support of the wine and grape industry in the Atlantic Region. The three-year project, *Developing tools to benefit the establishment of a grapevine repository program in NS*, involves the testing and development of tissue culture and cryogenic technologies for application in grapevine germplasm storage and virus eradication. As part of this research, Dr. Browne, a specialist in plant development and propagation techniques, is working closely with the Canadian Food Inspection Agency (CFIA), scientists at Agriculture and Agri-Food Canada (AAFC) in Kentville, and the grape growers in the province. Funding came from the province, via the Nova Scotia Department of Agriculture.

### **MOU with Perennia Food and Agriculture Inc.**

Acadia and Perennia recently signed an MOU for the establishment of a Wine Quality Specialist position for Nova Scotia. Neslihan Ivit has been hired for a two-year term by Perennia, but will be based at Acadia, and has a mandate to maximize the quality of the wine produced in NS, with a focus of working with the Acadia Laboratory for Agri-food & Beverage. Neslihan holds an MSc of Viticulture and Enology from Montpellier SupAgro (France), Bordeaux Science Agro (France) and Universidad Politecnica de Madrid (Spain). She also has a BSc in Food Engineering from Middle East Technical University (Turkey) with an associate degree of Business Management (Turkey) and food science education in University of Bologna (Italy). Neslihan's position is a unique collaboration between Acadia and Perennia and is being funded by ACOA and the NS Department of Agriculture.



## **Institutional Programs**

### **Canada Research Chairs (CRC) Program**

Acadia's CRC Program has brought wide-ranging scholarly, technical, and intellectual expertise to the campus and beyond. In 2017-18, Dr. Nelson O'Driscoll completed his term as a Tier 2 chair. This term completion, as well as the recent retirement of Tier 1 Chair Dr. Michael Leiter in 2016-17, has led us into a period of transition with our CRC program as we seek to fill multiple CRC positions.

In 2017-18, we advertised and conducted successful candidate searches for the following chair positions:

Tier 2 SSHRC - "History of the Atlantic World (African Diaspora)"

Tier 1 NSERC - "Coastal Ecosystem Resilience and Connectivity"

Nominations for the successful candidates will be submitted to the CRC program in October 2018. These positions will help shape our research strategies/programs in the coming decade, and significantly impact our research ecosystem.

In 2017-18, Acadia also developed and submitted a CRC Equity, Diversity and Inclusion Action Plan, as required by the CRC program.

### **Research Support Fund**

The federal Research Support Fund (RSF) provides Canadian universities and colleges with an annual grant to help pay for a portion of the indirect costs of research associated with Tri-Council awards. Grants are based on the funding received by the University's researchers from the granting agencies in the three most recent years for which data are available. In 2017-18, Acadia received \$658,920 through the RSF (a decrease of over \$21,000 from the previous year). Funding was allocated for Management and Administration (40%), Library Resources (36%), Research Facilities, including our field stations and several labs (7%), Intellectual Property/Industry and Community Engagement Office and related institutes such as the Acadia Institute for Data Analytics (17%).

The RSF plays a critical role in supporting Acadia's research enterprise, and these expenditures are instrumental in supporting research staff, facilities, and our research capacity at Acadia University.

### **Canada Foundation for Innovation (CFI)**

CFI invests in state-of-the-art facilities and equipment in Canada's research institutions. In 2017-18, Acadia received the following CFI funding:



### CFI Innovation Fund

Dr. Richard Karsten (Mathematics & Statistics) \$1,119,556 from CFI (\$2,798,987 total):  
Environmental Monitoring, Modelling and Forecasting Infrastructure for Instream Tidal Energy

### CFI JELF

Dr. Derek Charke (Music) \$40,778 from CFI (\$101,946 total):  
Acadia Electroacoustic Music Studio

Dr. Kirk Hillier (Biology) \$155,206 from CFI (\$389,835 total):  
Acadia Quarantine Behavioral Bioassay Facility

Dr. Matt McSweeney (Nutrition & Dietetics) \$78,582 from CFI (\$196,456 total):  
Characterizing Food for Health

## **Research Grant Funding**

### **Tri-Council Grants**

#### SSHRC Insight Grants (1)

Dr. Patricia Rigg (English & Theatre) \$67,266 over 4 years  
The Anglo-French literary community of the Fin-de-Siècle: sexual diversity, neurasthenia, and the genius of Italian poetic forms in a transitional society

#### SSHRC Insight Development Grants (1)

Dr. Can Mutlu (Politics) \$65,482 over 2 years:  
Designing Border Security

#### NSERC Discovery Grants (5)

Dr. Donald Stewart (Biology) \$200,000 over 5 years:  
Molecular evolution and ecological adaptation of male- and female-transmitted mtDNA genomes in bivalves

Dr. Nelson O'Driscoll (Earth & Environmental Science) \$225,000 over 5 years:  
Predicting Mercury Retention and Bioavailability in Estuarine Ecosystems

Dr. Ian Spooner (Earth & Environmental Science) \$105,000 over 5 years:  
Paleolimnological assessment of the controls on metal mobility in Nova Scotia

Dr. Jianan Peng (Mathematics & Statistics) \$75,000 over 5 years:  
New methods for multiple comparison procedures

Dr. Ying Zhang (Mathematics & Statistics) \$75,000 over 5 years:  
Nonparametric Statistical Inference for Time Series Trend Analysis, and Statistical Modelling Methods with Applications in Health Research and Environmental Science





### NSERC Research Tools & Instruments Grants (1)

Dr. Allison Walker (Biology) \$14,899:

Biosafety cabinet for marine fungal biodiversity and proteomics research

### NSERC Engage (2)

Dr. Kirk Hillier (Biology) \$24,788.00:

Development of a pheromone-based monitoring system for the goosefoot groundling moth, a pest of Quinoa in western Canada

Dr. Peir Pufahl (Earth & Environmental) \$24,560.00:

Application of X-ray probe analysis to characterize high-grade iron ores

### NSERC Collaborative Research and Development Grants (CRD) (1)

Dr. Amitabh Jha \$70,000.00:

Napthalene-based heterosteroidal Molecules with Paraza Pharma Inc.

## **Nova Scotia Health Research Foundation**

### Establishment Grant

Dr. Lesley Frank (Sociology) \$137,191 over 3 years:

Developmental research on household food insecurity and feeding practices: Informing health equity policy, and infant feeding recommendations

## **Internal Grants**

### University Research Fund (25.55)

The total amount awarded for 2017/2018 exceeds the annual allocation of \$150,000. This is a result of carry-forwards in the account from previous years. The combined totals for the October and February competitions were:

17 awards for Faculty of Arts (\$57,478),

4 awards for Professional Studies (\$16,040),

20 awards for Faculty of Pure and Applied Science (\$87,694)

Total amount awarded: \$161,212 (includes carry over of funds)

Total number of requests: 55

Total number of successful applications: 41

### The Arthur Irving Academy Environmental Science Research Awards

These annual research awards are for Acadia researchers promoting the use of the K.C. Irving Environmental Science Centre and/or the Harriet Irving Botanical Gardens through the development and execution of research projects in support of the environment. Awards are for up to \$20,000 per year, for two years.



Awardees for 2017:

Dr. Rodger Evans (Biology) 40,000.00:  
Towards an Understanding of Rockrose Biology

Dr. Glenys Gibson (Biology) 40,000.00:  
The Dynamics of Recruitment: Use of Mesocosms to Study Recruitment of Benthic Invertebrates in the Minas Basin Tidal Flats

### Research Contracts

Table 1 (below) lists non-Tri-Council research contract income. The amounts tend to vary from year to year depending on success in garnering exceptionally large research contracts (e.g. this past fiscal we secured an ACOA AIF project). The total value of a contract is recorded only in the year awarded, regardless of the number of years in the life of the contract.

**Table 1.** Contracts and grants awarded, 2014 – 2018 (Non-Tri-Council)

Year	Total	# of Contracts
2013-2014	\$2,513,811	89
2014-2015	\$1,803,411	81
2015-2016	\$2,863,729	111
2016-2017	\$2,081,081	124
2017-2018	\$6,459,026	130

### Office of Industry & Community Engagement (ICE)

Over the past year, the Office of Industry & Community Engagement (ICE) has extended its collaborations with governments, businesses, not-for-profits, and academic institutions in NS and the broader region to ensure that Acadia continues to be a leader in creating an innovation ecosystem, and driving economic development in NS, particularly in Western Nova Scotia.

#### Overview

During the 2018 fiscal year, the Research and Graduate Studies office (RGS) & ICE activities resulted in 130 research contracts worth over \$6.45 million dollars, contributing more than \$400,000 in overhead to Acadia. It is interesting to note the growing number of projects conducted within analytical labs on campus. These labs continue to serve an important role both regionally and internationally. During its inaugural year, the new ALAB (Acadia Laboratory for Agri-food and Beverage) accounted for \$12,607 in 32 small R&D projects for local wineries, while Dr. Nelson O’Driscoll’s (Earth & Environmental Science), CFI-funded Mercury Lab carried out approximately four times as many contracts for analytical work, as compared to previous years, resulting in over \$128,000 in funding. His collaborations with colleagues in Chile and Argentina this past fall resulted in mercury analyses of over 600 water, sediment, and tissue samples.



The National Research Council Industrial Research Assistance Program (IRAP) Contribution to Organizations (CTO) program committed \$45,000 this past year to small projects involving 11 companies seeking to partner with Acadia researchers in various departments, including Computer Science, Math, Chemistry and Biology. Many of these projects were with local companies in the agriculture/agri-food sector.

We were second only to Dalhousie in terms of success with the NS Productivity and Innovation Voucher Program this past fiscal year. We were awarded 12 projects for a total of \$295,000 in funding to help industry partners develop innovative new products and services. Over the past 6 years, Acadia has led 55+ Vouchers totaling well over \$1,000,000. During the same period, we were successful on 14 new Tri-Council/MITACS Industry Partnership projects, including one NSERC Engage (Dr. Kirk Hillier), one NSERC CRD (Dr. Amitabh Jha), 7 Industry Undergraduate Research Awards (IUSRAs), and eight MITACS awards for graduate students working with industry partners.

### Events

Hosting a variety of different types of workshops and events continues to be a key industry/community engagement mechanism for Acadia. This past year, workshops/events held by the ICE Office, Rural Innovation Centre and Acadia Entrepreneurship Centre attracted over 1000 attendees. ICE hosted several of these events, including the extremely successful *Winning at New Products* workshop in December - a collaboration with Université de Sainte Anne and NSCC. This day-long workshop attracted approximately 100 attendees representing companies, faculty members, local service providers, and students. Michelle Jones, Executive Vice President, Global Consultancy and Chief Innovation Officer with Stage-Gate® International, delivered product-development training which is typically only available to large companies (e.g. General Foods, Starbucks, etc.). The workshop also integrated researcher expertise and local company experiences into the day. These case studies showcased what is possible when universities partner with companies. Seventeen service providers (government representatives, business support providers, etc.) and funders also participated in a day-long trade-show alongside the workshop.

In March, we hosted *Linking to Action 2018*. This is the 6th event since 2015 that we've collaborated on with Horticulture Nova Scotia. *Linking to Action* and our annual *Harvest End Breakfast* (November) are important "connector events" where we bring together university and community college researchers (including students), members of the NS research community, and growers to talk about shared research interests, challenges, and opportunities. Forty-seven attendees took part in the 3-hour event where we showcased academic resources and researchers working in soil and plant health areas in the province. It included presentations from Acadia, NSCC, Perennia, AAFC, and NSCAD/SMU/MSVU, and from Kevin Shiell, New Product Formulations Manager, Acadian Plant Health Division, and Acadian Seaplants Ltd.



Also, in March 2018, Acadia hosted its bi-annual *Start it Up! Spring 2018* event that drew 45 entrepreneurs to campus ranging in age from 12-45 years. After a grueling 28-hour long pitching event, first place, with a grand prize of \$6,000, went to a group of four high school students. Their idea was to create an app that connected youth to volunteer opportunities.

### **Commercialization Activities**

It was another extremely successful year on the commercialization front. Of note is an option/license agreement negotiated with a pharmaceutical company for exclusive rights to compounds developed by medicinal chemist, Dr. Amitabh Jha in Acadia's Chemistry Department. 35+ additional IP assignment/transfer agreements were signed with companies working with Acadia researchers on projects ranging from the development of data analytics solutions to synthetic fish proteins.

In March, Dr. Danny Silver (Computer Science) was awarded a *Springboard Proof of Concept Award* (\$20,000) to further develop his machine learning software - *Estimage*. *Estimage* has graduated from small, "simple" solutions to problems such as estimating the count of silver coins on a dark background to more complex problems such as counting the number of cars in a parking lot from a satellite image with 92% accuracy, and most recently to estimating the yield in kilograms from a grapevine. Dr. Silver has successfully completed some early work with *Estimage* in this area with industry partners (Precision Hawk, Lightfoot & Wolfville Vineyards) and has been approached by others, including a winery in California! He will continue to work with the ICE staff to garner commercial interest in this software.

### **Update on Faculty Spin-out - CaseNet Media Inc.**

With the assistance of ICE, Drs. Conor Vibert and Michael Sheppard (Acadia's F.C. Manning School of Business), are in discussions with a Canadian-based publisher to purchase CaseNet's multimedia content. Professors at North West University (NWU) in South Africa have also expressed an interest in creating and streaming video cases based on the Casenet.ca model. Dr. Vibert was recently flown to South Africa for a second time to pursue this opportunity.



### **Government Visits/Economic Development Activities**

NS Deputy Ministers were on a “retreat” at Acadia last October 16<sup>th</sup>. The Research Office/ICE Office organized a “power-hour” of research-related information for them, tailored to provincial priorities/funding to Acadia. Included was an overview of applied research activities, a tour of Anthony Tong’s aLab, an update on the renovations to Huggins/Elliott and the new Innovation Pavilion, with presentations by ICE, Matt Mcsweeney and Richard Karsten.

In early September, Acadia University hosted a small delegation of Japanese wine buyers and influencers and local wineries for a morning of meetings, tours, and presentations. Organized and supported through Nova Scotia Business Inc and ACOA (NS), the intent of the visit to Acadia was to provide the delegation and local wineries with knowledge of the research resources in Nova Scotia, enable wineries to meet one-on-one with buyers from Japan and allow networking between the delegation, businesses and researchers. The group heard presentations from a multidisciplinary ensemble of wine and grape-related researchers from Acadia, as well as invited researchers from Springboard partner institutions - Nova Scotia Community College and Université Sainte-Anne.

### **Entrepreneurship Activities**

ICE and the Acadia Entrepreneurship Centre partner in the operation of the Rural Innovation (RIC), an innovation hub for start-up companies to set-up operations and to access specialized scientific and business expertise, and/or network with other innovators. There are currently seven tenants and two institutes (Data Analytics, Tidal Energy) housed in the RIC that now collectively employ approx. 20 full time employees (many former students!). RIC tenants are now doing business in four different countries.

### **Student Entrepreneurship**

Since 2014, RIC has also been home to “*launchbox*” – Acadia’s student sandbox (jointly funded by ACOA, the Provincial Government (LAE), and the university) which provides real world skills development needed to start any kind of business. Providing free hands-on workshops, pop-up ideation events around campus, summer accelerators, and pitch events, launchbox has now engaged over 4314 students, and has helped launch a number of new student enterprises, including *Integrated HACCP Solutions*. This company was founded by an Acadia Grad (Matt Winchester), an Acadia Masters student (Dougal Armour) and a Dalhousie Law student (Mitchell Kane). They have developed a software platform and monitoring system to provide the agri-food industry with an affordable and manageable solution to a gap identified with the changes to Canadian Food Inspection Agency regulations. The concept was validated in 2017 when the founders won the InnovaCorp Spark Event (\$45,000), and last fall (2017) when they were awarded the Agricultural Innovation Award by the Annapolis Valley Chamber of Commerce. This company is being mentored by Chris Houston, an Acadia alum and global entrepreneur.



## Graduate Studies Highlights

In the Fall of 2018, MPHEC approved the degree change from Master of Recreation Management to Master in Community Development.

The School of Education has again offered its Master of Education in Curriculum Studies specialized cohort (Health Inter-Professional). The Health Professional program is in collaboration with the School of Education and Dalhousie University's Division of Medical Education.

Full-time, first-year, enrollment numbers for graduate programs is at an all-time high since 2010/11 with 74 registrations.

Many graduate students received research recognition during the 2017-2018 year (Table 1), garnering awards from the Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC), the Canadian Institutes for Health Research (CIHR), the Nova Scotia Health Research Foundation (NSHRF), and the Nova Scotia Innovation & Research Graduate Scholarship (NSIRGS).

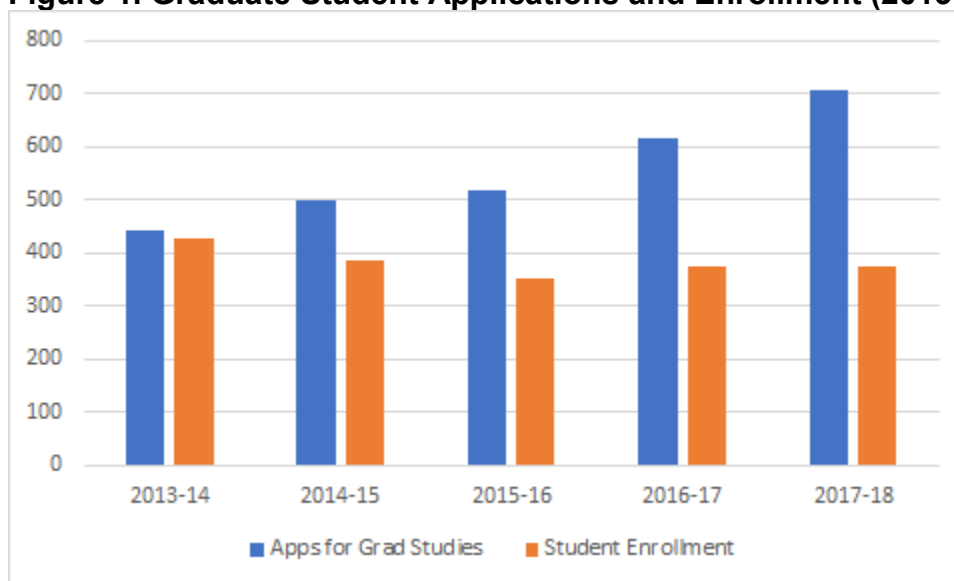
**Table 1: Graduate Student Research Scholarships 2017-2018**

<b>Student</b>	<b>Dept.</b>	<b>Award</b>	<b>Amount</b>
Breagh Newcombe	PSYC	CIHR CGS M	\$17,500
Sarah Dunn	GEOL	NSERC CGS M	\$17,500
Alice Lacaze-Masmonteil	MATH	NSERC CGS M	\$17,500
Cheryl Oxford	PSYC	SSHRC CGS M	\$17,500
Laura Townend	SOPT	SSHRC CGS M	\$17,500
Carly Morrison	SOCI	SSHRC CGS M	\$17,500
Breagh Newcombe	PSYC	NSHRF	\$2,500
Cheryl Oxford	PSYC	NSHRF	\$2,500
Kay Jenson	PSYC	NSHRF	\$8,462
Nicole Tibbetts	PSYC	NSHRF	\$10,000
Laura Smith	PSYC	NSHRF	\$10,000
Jeremy Locke	MATH	NSIRGS	\$10,000
Alexandra Squires	GEOL	NSIRGS	\$10,000
Kay Jenson	PSYC	NSIRGS	\$8,462
Michael Belgrave	EDUC	NSIRGS	\$15,000
Laura Smith	PSYC	NSIRGS	\$10,000
Nicole Tibbetts	PSYC	NSIRGS	\$10,000
Brittni Scott	BIOL	NSIRGS	\$10,000
Joel Goodwin	BIOL	NSIRGS	\$6,000
Meg Townsend	PSYC	NSIRGS	\$6,000



Figure 1 shows graduate student applications and enrolment numbers in the 13 Masters-level programs for the 5-year period from 2013-14 to 2017-18. Acadia has between 90 and 100 full-time graduate students on campus. The figure shows substantially higher numbers because, in any given year, there are a number of students registered full-time who are in the second year of a 2-year program. In addition, the School of Education has a large number of M.Ed. students who are completing their degree on a part-time basis. Consequently, numbers of fully registered students will vary not just among years, but among terms within a year. Numbers fluctuate largely due to enrolment variations in M.Ed. courses.

**Figure 1. Graduate Student Applications and Enrollment (2013-2017)**



### Undergraduate Student Researchers

In the 2017-2018 academic year, we had 19 students holding NSERC USRAs, receiving a total of \$140,814 in research funding (\$85,500 from NSERC plus \$55,314 in matching from supervisors).

The total undergraduate research funding for 2017-2018 was \$205,614. This includes the NSERC students above, plus \$109,800 in funding associated with 17 Honours Summer Research Awards (HSRAs) and 6 Webster foundation research awards (2 per faculty).

During 2017-2018, there were 157 students enrolled in Honours or Honours Conversion. Of those, 107 submitted a final thesis towards the completion of their honours program.



## DIVISION OF RESEARCH AND GRADUATE STUDIES 2015-16

### Highlights

Dr. Peir Pufahl receives \$502K in CFI and NSRIT funding for new lab:

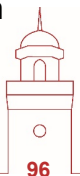
Dr. Pufahl is a professor in the Department of Earth & Environmental Science. This funding from the Canada Foundation for Innovation (CFI) and Nova Scotia Research and Innovation Trust (NSRIT) will support state-of-the-art equipment to enhance his research program at Acadia. Phosphorite is a marine chemical sediment that is the primary source of phosphorus for fertilizer manufacture and an important hydrocarbon source rock. Dr. Pufahl is an internationally recognized chemical sedimentologist and Canada's only phosphorite specialist. With the requested infrastructure his research group will pioneer cutting-edge exploration strategies focused on phosphorite production in Canada. Canada's phosphorus reserve base is among the least developed in the industrialized world, primarily because our nation's phosphate potential has not been assessed using modern geologic methods. Consequently, Canadian agriculture depends on an ever-increasing amount of imported rock phosphate, sourced from a small number of countries, many of which are in a state of chronic political unrest. The proposed infrastructure will not only help establish a secure phosphate reserve base but save the agricultural industry hundreds of millions of dollars because Canada would no longer rely so heavily on importing phosphate fertilizer. Personnel trained will take their experience to the labour force where this knowledge can be used internally or exported, helping to establish Canada as a global leader in phosphorite research.

### Wine Analysis Lab

Acadia was recently awarded \$488,000 through the Growing Forward 2 Program for a new Wine Analysis Lab that will be led by Dr. Anthony Tong (Chemistry). Funded by both the Province of Nova Scotia and the Federal government, the lab is expected to open in Elliott Hall later this fall. This facility was established in response to an industry need to provide a complete range of chemical analysis services to the wine, craft beer, cider, distilled beverage, and non-alcoholic beverage industries in Atlantic Canada. Acadia hosted an announcement on March 29<sup>th</sup> that was attended by Premier Stephen McNeil, Treasury Board of Canada President/Kings-Hants MP Scott Brison, NS Agriculture Minister Keith Colwell, and many members of the wine industry. The Wine Analysis Lab complements work being done by the Atlantic Wine Institute and Acadia's Sensory Centre.

### Acadia Senate Approves New Strategic Research Plan

As of December 2015, Acadia has a new Strategic Research Plan (SRP). This new SRP has identified a strategic focus for the University – Rural and Coastal: Local to Global – that reflects our geography and its people, as well as the international reach of many of our researchers and the impact of their work. This strategic focus names an evolving institutional awareness at Acadia and a commitment to contribute to the betterment of the health and life circumstances of those who live in these regions, to





the revitalization and development of these communities, and to the protection and sustainability of these environments and resources. Under this strategic focus, four thematic areas form the core of the SRP: (a) *Community Life, Organizations, and Cultural Diversity*, (b) *Natural Resources and Environmental Resilience*, (c) *Human Health and Wellness*, and (d) *Innovative and Enabling Technologies*.

### **Acadia's Tidal Energy Institute**

The Acadia Tidal Energy Institute (ATEI), established in 2012, continues to advance knowledge on the Bay of Fundy environment and is working closely with stakeholders to address the scientific and socio-economic aspects of this emerging renewable energy industry. Activities of ATEI over the past year include participation on one of two large international tidal projects funded through OERA and Innovate UK, a government-funded business and innovation accelerator out of the United Kingdom. Led by Emera, and in partnership with OpenHydro Canada, Ocean Sonics, and several UK-based organizations, this 3-year project will deliver an innovative new environmental monitoring and measurement sensing system for tidal energy application, using both passive and active acoustic sensor technologies. Dr. Anna Redden (Biology) is Acadia's lead on this project, which will see \$40,000 come to the University. The two projects have a combined value of \$1.43 million. Dr. Richard Karsten (Mathematics & Statistics) has also been very active during the past year working on a variety of research projects to assess using his hydrodynamic models, including projects with OpenHydro, Clean Current, OpenOcean, and the government of Prince Edward Island.

## **RESEARCH FUNDING**

### **Research Support Fund (formerly Indirect Cost Program)**

The federal Research Support Fund (RSF) provides Canadian universities and colleges with an annual grant to help pay for a portion of the indirect costs of research associated with Tri-Council awards. Grants are based on the funding received by the University's researchers from the granting agencies in the three most recent years for which data are available. In 2015-16, Acadia received \$668,657 through the RSF (an increase of over \$10,000 from the previous year). Funding was allocated for Management and Administration (37.4%), Library Resources (33.6%), Research Facilities, including our field stations and several labs (10.6%), Intellectual Property/Industry and Community Engagement Office, and related institutes such as the Atlantic Wine Institute and the Acadia Institute for Data Analytics (9%), and Regulatory Requirements such as the Research Ethics Board, Animal Care, and the BioSafety Committee (9.4%). The RSF plays a critical role in supporting Acadia's research enterprise, and these expenditures are instrumental in supporting research staff, facilities, and our research capacity at Acadia University.

Recently, the Beaubassin Research Station, the ongoing operation of which is funded in part through the RSF, was featured on the Government of Canada RSF website. The link for this story is located at:



[http://www.rsf-fsr.gc.ca/news\\_room-salle\\_de\\_presse/support-soutien/beaubassin-eng.aspx](http://www.rsf-fsr.gc.ca/news_room-salle_de_presse/support-soutien/beaubassin-eng.aspx).

The website also provides a link to the Beaubassin story, on the Research & Graduate Studies website at Acadia:

<http://research.acadiau.ca/Research/view-research-videos/the-story-of-beaubassin-acadia-research-station.html>

## External Grants

### NSERC Discovery Grants:

Dr. Sandra Barr (Earth & Environmental Science) - \$145,000 for 5 years:  
*Building mountain belts – the Appalachian model.*

Dr. Kirk Hillier (Biology) - \$28,000 for 1 year:  
*Pheromone diversity in Heliothine moths.*

Dr. Holger Teismann (Mathematics & Statistics) - \$65,000 for 5 years:  
*Fundamental mechanisms and obstacles in the bilinear control of Schrödinger equations.*

Dr. Ian Spooner (Earth & Environmental Science) - \$20,000 for 2 years:  
*The influence of environmental stressors on metal sequestration in shallow lakes.*

### NSERC Engage and Engage Plus

Engage awards from the Natural Sciences & Engineering Research Council of Canada (NSERC) are awarded to faculty members who are partnering with industry partners for the purpose of addressing areas of concern or interest for the industry partner and/or to initiate a new partnership opportunity. Engage Plus awards are a follow-up grant to the initial award.

Dr. Amitabh Jha (Chemistry; \$25,000)  
*Expediting drug development by profiling novel antineoplastics by mass spectrometry-based biomarker profiling.*

Dr. Franklin Mendivil (Mathematics & Statistics; \$24,500)  
*Improved automatic pronunciation feedback for English learners.*

Dr. Ian Spooner (Earth & Environmental Science; \$25,000)  
*Measuring the impact of watershed development on water quality in surface water supply reservoirs in Halifax Regional Municipality.*

Dr. Ian Spooner (Earth & Environmental Science; \$10,930, Engage Plus)  
*Measuring the impact of watershed development on water quality in surface water supply reservoirs in Halifax Regional Municipality.*



### SSHRC Insight Development Grant (IDG)

IDG awards from the Social Sciences & Humanities Research Council of Canada (SSHRC) are awarded to early stage researchers (within the first 6 years of their academic careers) to assist them in establishing their developing research program, and to established researchers who are changing the direction of their research program and venturing in a new direction.

Dr. Nicole Nolette (Languages & Literatures); \$58,066 for 2 years  
*Traduire (à) Toronto.*

### SSHRC Connections Grant

Connection Grants support events and outreach activities geared toward short-term, targeted knowledge mobilization initiatives. These events and activities represent opportunities to exchange knowledge and to engage on research issues of value to those participating.

Dr. Claudine Bonner (Sociology); \$22,017  
*To do our share: The African Canadian experience in WWI.*

### Table 1.0 Annual Tri-Council Awards

Table 1.0 shows annual amounts paid to the University for Tri-Council grants, not including the Canada Graduate Scholarships for masters and doctoral awards. [Includes individual awards, undergraduate awards, Canada Research Chairs, intuitional grants, and indirect costs of research]

YEAR	NSERC	SSHRC	CIHR	URF	TOTAL
2012	1,912,042	319,561	139,980	658,510	3,030,093
2013	1,685,662	182,153	164,258	643,852	2,675,925
2014	1,621,430	206,189	137,721	642,027	2,607,366
2015	1,443,017	180,047	26,002	658,465	2,307,531
2016	1,662,325	277,337	126,002	668,657	2,734,321

### Internal Grants

#### University Research Fund (25.55)

As a result of carry-forwards, the total amount awarded for 2015/2016 (\$163,097) exceeded the annual allocation of \$150,000. The combined totals for the October and February competitions were: 13 awards to the Faculty of Arts (\$56,033), 5 awards for Professional Studies (\$24,484), and 21 awards for the Faculty of Pure and Applied Science (\$95,348). The Committee supported many new faculty members with funding to initiate new projects. Many researchers are able to apply their awards to leverage research dollars from other external sources.



## The Arthur Irving Academy Environmental Science Research Awards

These annual research awards are for Acadia researchers promoting the use of the K.C. Irving Environmental Science Centre and/or the Harriet Irving Botanical Gardens through the development and execution of research projects in support of the environment. Awards are for up to \$20,000 per year, for two years.

Dr. Kirk Hillier and Dr. Rodger Evans (Biology) received \$20,000, renewable for a second year, for their research entitled A multi-faceted approach to understanding the biology of a critically imperiled, Nova Scotia native plant *Crocantthemum canadense*.

Dr. Allison Walker (Biology) and Dr. Nelson O'Driscoll (Earth & Environmental Science) received \$20,000 for a one-year project entitled Bioaccumulation of Mercury in Lichens and Mushrooms of Nova Scotia.

Dr. Darcy Benoit (Computer Science) and Ruth Newell (E. C. Smith Herbarium) received \$7,000 for a one-year project entitled Development of a mobile web app from the recently published e-flora, Nova Scotia Plants.

## Major Project Updates

### Dr. Kirk Hillier's AIF Partnership

Dr. Kirk Hillier's (Biology) \$7.2 Atlantic Innovation Fund (AIF) grant – *Integrated Research, Development, and Commercialization of Pheromones and other Semiochemical Products for Management of Insect Pests* – continues to produce exceptional results. In 2015-16, two new licensing agreements were signed, 2 new discoveries were filed, 5 new technology disclosures were submitted and \$4,794.35 in royalty revenues were received. After the successful completion of the 2-year United States Forest Service EAB pheromone trap study to compare the AIF project lure to other commercial lures, Sylvar Technologies continues to see a steady increase in their sales of the EAB lure. In April alone, Sylvar sold more EAB lures than were sold during the entire 2015-2016 fiscal year. Further, two sprayable SBW products based on different blends (95:5 and 83:17) were developed during 2015-2016 and the results of the 2015 field trials for the 95:5 blend were so encouraging that PMRA registration process is now underway. Based on these encouraging results, additional funding proposals were submitted to SERG-International. The Newfoundland and Labrador Department of Natural Resources has since agreed to provide \$20,000 in funding to support a field trial in 2016.

Eleven new full-time and one new part-time position(s) have been created as a result of this project resulting in a total of 64.5 new positions since the project started in September 2010.

A second AIF funding proposal, *Development and Commercialization of Naturally-Derived Semiochemicals for Insect Pest Management*, was submitted to ACOA in July.



If successful, this \$4.5M, five-year project will allow researchers to continue the development, testing and commercialization of new environmentally-responsible pheromone-based detection and mitigation products that will be marketed and sold throughout Canada and the United States and have significant international export potential. A decision on the submission is expected later this year.

### **Dr. Richard Karsten's Tidal Energy Research Project**

Dr. Richard Karsten (Mathematics & Statistics) and colleagues completed their \$3.8M EcoEnergy Innovation Initiate project (EcoEII) on tidal resource assessment and understanding of the tidal energy potential in the Digby Neck area, funded through Natural Resources Canada. In the final year of the project, a surface platform was deployed in Grand Passage to determine the loads on moorings. It was the first such platform deployed in a Bay of Fundy tidal site and it has given critical information on surface platform design. The success of the project has led to numerous collaborations with other companies and groups, and interest has now shifting to the larger scale development in Minas Passage. In the past year, Dr. Karsten worked on over 10 additional tidal energy assessment and modelling projects with organizations such as the Fundy Ocean Research Centre for Energy (FORCE), OpenHydro, OpenOcean, Mavi, the Offshore Energy Research Association (OERA), Sandia Labs, Minas Energy, and Big Moon Power. This summer, Dr. Karsten worked with Luna Oceans, a consulting company spun out of the EcoEII project, to complete a tidal resource assessment for PEI and he is being consulted on a resource assessment project for Australia. Currently he is working on the project that will define the Marine Renewable Electricity Areas in the upper Bay of Fundy. This fall, Dr. Karsten is leading a collaboration between Acadia, Dalhousie, and the University of New Brunswick in an application for a \$2 million CFI infrastructure grant that will fund the purchase of scientific research equipment necessary for researchers to fully examine the interaction of tidal turbines and the environment.

### **Featured New Researchers**

Dr. Claudine Bonner is an Assistant Professor in the Department of Sociology and the Women's and Gender program. Her research seeks to address narratives of African Diaspora communities in Canada, and in her current work she focuses on African Nova Scotian narratives and the sociohistorical contexts which inform them. Dr. Bonner received a SSHRC Institutional Connections Grant in 2016 in collaboration with Dr. Stephen Henderson (History & Classics) and Dr. Stephen Ahern (English & Theatre) to plan and conduct a symposium honouring Acadia graduate Rev. William A. White and the No. 2 Construction Battalion, Canada's first and only Negro unit, which served in the Canadian Expeditionary Forces in WW1. Among other projects, she is currently looking at the ways the families of these African Canadian men experienced the war years while their husbands and fathers were deployed overseas, exploring notions of race, community, identity, and nation.



Dr. Allison Walker is an Assistant Professor in the Department of Biology. She also teaches in the Environmental Sciences Field School. Her research focuses on the ecology and biodiversity of fungi, and her current work keys on understanding the role that coastal fungi play in Maritime Canada. Ongoing collaborative research in her lab studies atmospheric mercury deposition in Nova Scotia lichens, the role of marine fungi in hydrocarbon degradation, Fusarium basal rot of onion, and foliar endophytes of the endangered plant *Geum peckii*. With collaborators in the US and Japan she is describing fungi that are new to science. Dr. Walker and her students are DNA

barcoding Acadia's E.C. Smith Herbarium fungal collection (20,000 specimens) as well as contributing new specimens to this great resource for Atlantic Canada. Dr. Walker received the 2015 Early Career Mycologist Award from the Mycological Society of America as well as Acadia's 2016 FPAS Emerging Researcher Award. Her current research is funded by the Arthur Irving Academy, Innovacorp, the Province of Nova Scotia, the Nova Scotia Museum, and Environment Canada.

### **Featured Established Researchers**

Dr. John Colton is a Professor in Acadia's Department of Community Development and also teaches in the Environmental and Sustainability Studies program. Dr. Colton's research interests include indigenous tourism, sustainable tourism, community sustainability, stakeholder engagement processes, and issues related to social license and acceptance of renewable energy projects. He is the co-author of the *Community and Business Tidal Energy Toolkit* and the *Handbook of Community Engagement for Tidal Energy*. He has also explored indigenous rights and ownership with respect to marine renewable energy development, sharing this work with other scholars in the journals of *Marine Policy* and *Energy Policy*. More recently, he was the lead author on a policy paper titled *Energy projects, social license, public acceptance and regulatory systems in Canada: A white paper*. This paper was developed to help guide Canada's regulatory process related to stakeholder engagement and energy development. In 2009, he served on the Nova Scotia Renewable Energy Steering Committee which developed the renewable energy strategy and renewable energy targets for Nova Scotia. He is past co-chair of the Atlantic Aboriginal Health Research Program, Chair of the Centre for Rural Sustainability, and founding member of the Acadia Tidal Energy Institute. He is an adjunct professor for the University of the Westfjords, Iceland where he teaches a course on marine renewable energy development for their Coastal Marine Management graduate program. He is the east coast sustainable tourism expert for National Geographic's World Legacy program and has served as an expedition leader for several northern Canadian river-based expeditions for National Geographic. He still continues to lead northern river expeditions in Alaska, British Columbia, and the Yukon and Northwest Territories yearly for Canadian River Expeditions and Nahani River Expeditions.

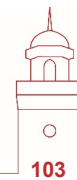
Dr. Peir K. Pufahl, whose recent CFI funding was highlighted at the beginning of the RGS submission, is a Professor in Acadia's Department of Earth and Environmental



Science, joining the University in 2005. He is a chemical sedimentologist and leads an internationally renowned, multidisciplinary research program focused on phosphorite. Phosphorite is a phosphorus-rich marine chemical sediment that is the most important source of phosphorus for fertilizer manufacture. Known global reserves of this non-renewable resource are expected to run out in 50 to 100 years. As the world's burgeoning population struggles to feed itself, agriculture depends upon an ever-increasing amount of imported phosphate, sourced from a small number of countries that are in a chronic state of political unrest. As Canada's only phosphorite specialist Dr. Pufahl is an expert in the pure and applied science of this precious commodity. His research program has supported 39 students (19 B.Sc., 14 M.Sc., and 6 Ph.D.) as well as four postdoctoral fellows and a Research Associate since his appointment in 2005. Six have won awards including the Governor General's Gold Medal. He has published an impressive 120 scholarly contributions and has been awarded \$1.3 million in actual and in-kind support for his research program. Included in this funding is a \$500,000 CFI JELF grant for the construction of a new laboratory in Huggins Science Hall focused on the investigation of fertilizer ores. Central to Dr. Pufahl's research program are longstanding collaborations with fellow academics, industry, and government agencies. As an international scientific advisor to the Geological Survey of Brazil he has helped develop Projeto Fosfato, a federal initiative to feed Brazil. Other research partnerships include colleagues from Queen's University, University of Wisconsin, Geological Survey of Western Australia, Federal University of Rio de Janeiro, Federal University of Ouro Preto, St. Francis Xavier University, Canterbury University, University of Manchester, and University of Oxford. Dr. Pufahl is the past vice-chair and chair of the Canadian Sedimentology Research Group and has been on the editorial boards of the journals *Geology*, *Sedimentary Geology*, and *African Journal of Earth Sciences*. He is currently the Co-Chief Editor of *Sedimentology*, the top-ranked journal in his field. Dr. Pufahl has also been recognized in the classroom with an Acadia Student Union Teaching Award. Because of these accomplishments he is a finalist for a Nova Scotia Discovery Award (Professional of Distinction) and has been invited by NSERC to apply for a prestigious Senior Industrial Research Chair in fertilizer ore and exploration. If successful, this chair will support Nova Scotia's agriculture industry, ensuring that Acadia University remains at the forefront of fertilizer research.

### **Office of Industry & Community Engagement (ICE)**

Since September 2015, RGS and ICE have been responsible for bringing in over 114 research contracts worth almost \$2.8 million dollars and contributing more than \$256,000 in overhead to Acadia. During the same time period there have been four new NSERC Engage/Engage Plus projects originating from three different departments totaled over \$85,000, and the National Research Council Industrial Research Assistance Program (IRAP) program has committed \$55,000 to small projects involving companies seeking to partner with Acadia researchers. This year Acadia topped its most successful year ever with the provincial Productivity and Innovation Voucher



Program awards - 15 projects were funded for a total of \$275,000, representing a 25% increase.

In addition to work on contracts and funding programs, the unit hosted a number of very successful industry events, including the *Liquid Courage: Building Confidence in your Beverage Business* event held in collaboration with the Atlantic Wine Institute, NSDA, and AAFC which attracted over 100 people. The goal of this workshop was to promote research and innovation while also addressing challenges in product development, marketing and exporting for the beverage industry, both alcoholic and non-alcoholic. Presentations included those from successful innovators (industry) and researchers supporting innovation, and export experts. An overview of industry relevant funding resources for research & development, marketing and export from AAFC, NSDA, NSBI and Acadia’s Office of Industry & community Engagement was also provided. Additionally, research related funders, NSERC, IRAP, NSDA, AAFC, Innovacorp and CBDC Hants set up booths in the lobby and during the breaks attendees had the opportunity to speak with the representatives and inquire about the programs.

It has also been another extremely successful year on the commercialization front. Since September 2015, ICE has negotiated 4 license/assignment agreements for various technologies developed at the university, including two mathematical models developed by Dr. Richard Karsten (Mathematics & Statistics). One model (the Acadia/Force Model) was licensed to FORCE here in Nova Scotia and the other (Acadia Bay of Fundy) was licensed to Open Ocean LLP, a tidal energy software development company located in France. Dr. Karsten’s models are used for resource assessments of tidal energy sites in the Bay of Fundy. The FORCE Agreement will help facilitate tidal energy development in our region by providing tidal developers with the most accurate information possible to determine optimum turbine deployment sites.

Table 2.0 shows research contract income (non TriCouncil). The amounts vary substantially from year to year depending on success in garnering exceptionally large research contracts/grants. The total value of a contract is recorded only in the year awarded, regardless of the number of years in the life of the contract.

**Table 2.0 Contracts and grants, 2013 – 2016 (Non-Tri-Council)**

Sept. 1 – Aug. 31	Number of contracts	Total Value (\$)	Total Overhead (\$)
2013-2014	77	1,654,192	146,671
2014-2015	110	2,167,576	215,912
2015-2016	114	2,780,602	256,499





## **Economic Development Activities**

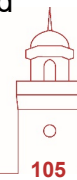
In early January, ICE hosted a visit from five representatives from ACOA NS, including Janine Fraser, Acting Director General, Regional Operations, to discuss research priorities/potential projects. Later that month ICE hosted three IRAP Industrial Technology Advisors (ITAs) for a half day session at Acadia. They were taken through some of our key spaces (Human Motion Lab, ACMA, CARE, AIDA, Rural Innovation Centre), and introduced to some of our most active researchers, particularly those who are pursuing industrial collaborations. There was a follow up in May when the ICE Office and Rural Innovation Centre hosted a unique meeting of economic development representatives from Western NS. The purpose of the meeting was to discuss ways we can better serve companies in this region via an integrated "working group". The next step for the group is to implement/participate in regular Friday luncheon meetings with individual companies to help them resolve issues/grow their business/access funding, IP/business support, etc. Attendees included representatives from the following agencies: Innovacorp, ACOA, NSBI, CBDC, LAE, CDENE, and the Towns of Wolfville and Kentville.

## **Update on faculty spin-out, CaseNet Media Inc.**

With assistance from ICE, two faculty members in Acadia's F.C. Manning School of Business, Conor Vibert and Michael Sheppard, continue to expand Case Net's operations. Cases are now being distributed to the Canadian higher education sector by Wiley Canada, and Drs. Vibert and Sheppard have been successful in obtaining a variety of research and business support funding. They were awarded a \$25,000 five-year grant from the RBC Foundation to continue developing and disseminating multimedia teaching cases and a \$10,000 grant by the National Research Council (NRC) to hire an Acadia graduate to market the cases.

## **Entrepreneurial Leader**

Acadia continues to be a Nova Scotia leader in providing entrepreneurial resources and experiences for students and community alike. In February, the Huffington Post Canada named Acadia to its 2016 list of Top 10 Universities in Canada for Future Entrepreneurs. One exciting example of success is Singolar (formerly, Adroit Vista) – located in Acadia's Rural Innovation Centre (RIC). Singolar, founded by entrepreneur, Suman Kalyan, was selected by the Canadian Technology Accelerator, to participate in the Onboarding / Business to Business program in Silicon Valley this winter. Only 12 Canadian companies were invited, and Singolar was the only Atlantic Canadian company that was selected to participate. The program is designed to provide Canadian entrepreneurs access to contacts and resources that can accelerate international growth-based business. Suman, originally from India, moved to Bridgewater, NS in 2013, and was attracted to work in the Rural Innovation Centre at Acadia because of the faculty, research opportunities, and connections to students for co-op and work terms. He has grown his company rapidly over the last 10 months, and now has a full-time employee, and two co-op students based in Wolfville, and two



additional employees who are based in the US. His aim is to have ten full time employees in Wolfville by the end of 2016.

**Social Innovation Project Highlight: Dr. Roxanne Seaman – S.M.I.L.E.® Program**  
ICE continues to work with Dr. Seaman to develop a licensing package/program for the immensely successful S.M.I.L.E. program. The program will include S.M.I.L.E. expertise, materials and the S.M.I.L.E. trademark. Discussions are underway with a number of universities interested in the program, including the University of Toronto.

### **In Partnership with the Acadia Entrepreneurship Centre**

Research and Graduate Studies and the Acadia Entrepreneurship Centre partner in the operation of the Rural Innovation (RIC), an innovation hub for start-up companies to set-up operations access specialized scientific and business expertise, and/or network with other innovators. In particular, leading experts and researchers in three primary sectors relevant to the region are located on campus: tidal energy, agriculture/agri-tech, and ICT.

In 2016, three of the top 5 Regional finalists for the Innovacorp I-3 competition were RIC tenants. Currently one of the tenants has recently exited, and a second is working globally, and is just about to close their first venture capital deal.

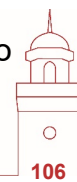
### ***Launchbox (student entrepreneurship)***

Acadia is dedicated to fostering a culture change that embraces entrepreneurship to support the rural economy. Launchbox events are developed at hosted by the Acadia Entrepreneurship Centre (AEC), with events being hosted in the Rural Innovation Centre and other venues across campus.

As part of the provincial Sandbox Pilot Project, Acadia's entrepreneurship centre for students is connected to all other universities and NSCC across the Province to provide student programming, support, and mentorship. Launchbox offers two streams of entrepreneurial support for students. First, pre-incubation programming to help develop and enhance soft skills such as problem solving, creative thinking, and communications. Programming at this stage involves exploring ideation, styles of entrepreneurship, business models, marketing and pitching. As students become more comfortable, a second stream is available to provide more technical support to students with ideas they want to explore in a more formal capacity.

Second, Launchbox hosts a Start It Up competition twice per year for entrepreneurs (of all ages and experience) to enhance their skill sets and compete for seed money to start their businesses. In November 2015, the winning team was led by a 15-year old high school student, two Acadia international students, and a student from Acadia's partner sandbox, Cultiv8 (Truro).

More than 900 students were involved in Launchbox programming in 2015-2016, a 50% increase over the previous year, and 120 high school students were introduced to Launchbox and its programming. AEC will continue to increase community links,



partnerships and outcomes, which enhances the value of the sandbox to the university and community.

### Graduate Student Highlights

Joy Cunningham, previously from Open Acadia, has joined Research and Graduate Studies as the Graduate Education Course Manager. Joy will be responsible for taking care of our 500 plus Graduate Education students.

Acadia has 13 graduate programs at the Masters’ level and one PhD program in Educational Studies, offered jointly with Mount Saint Vincent University and St. Francis Xavier University. Within the Faculty of Arts there are four MA programs: English, Politics, Social and Political Thought, and Sociology. The Faculty of Pure and Applied Science offers seven MSc programs: Applied Geomatics (offered jointly with NSCC), Biology, Chemistry, Computer Science, Geology, Mathematics and Statistics, and Psychology. Two graduate level programs are offered within the Faculty of Professional Studies: Master of Recreation Management and Master of Education (four options: Counselling, Curriculum Studies, Inclusive Education, and Leadership). All graduate programs have a 2-year residency, except for Education, English, Politics, and Sociology, which offer 1-year programs. With the exception of Education, where thesis research is optional, all other programs require students to complete and publicly defend a thesis.

Many graduate students received research recognition during the 2015-2016 year (Table 1), garnering awards from the Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC), the Canadian Institutes for Health Research (CIHR), the Nova Scotia Health Research Foundation (NSHRF), and the Nova Scotia Innovation & Research Graduate Scholarship (NSIRGS).

**Table 3.0. Student Graduate Research Scholarships 2015-2016**

Student	Award	Value (\$)
O’Bertos, Shea (Psychology)	SSHRC CGS - Masters	17,500
Markovich, Adria (Psychology)	SSHRC CGS – Masters	17,500
Anderson, Christine (Biology)	NSERC CGS – Masters	17,500
Kidney, William (Math & Statistics)	NSERC CGS – Masters	17,500
Loder, Amanda (Biology)	NSERC IPS – Masters	21,000
Nau, George (Biology)	NSERC IPS – Masters	21,000
Bazinet, Patrick (Psychology)	CIHR CGS – Masters	17,500
Bazinet, Patrick (Psychology)	NSHRF Scotia Scholarship	2,500



Fraser, Elizabeth (Psychology)	NSHRF Scotia Scholarship	10,000
Mitrovic, Natasa (Psychology)	NSHRF Scotia Scholarship	10,000
Belgrave, Michael (Education)	NSIRGS – Doctoral	15,000
Clahane, Eric (Psychology)	NSIRGS – Masters	10,000
Glover, Jackie (Psychology)	NSIRGS – Masters	10,000
Haskett, Eileen (Biology)	NSIRGS – Masters	10,000
Holland, Erika (Biology)	NSIRGS – Masters	10,000
Townsend, Meg (Psychology)	NSIRGS – Masters	10,000

**Legend:**

SSHRC = Social Sciences and Humanities Research Council of Canada

NSERC = Natural Sciences and Engineering Research Council of Canada

CIHR = Canadian Institutes of Health Research

NSHRF = Nova Scotia Health Research Foundation

NSIRGS = Nova Scotia Innovation & Research Graduate Scholarship (awarded for 2015-2016)

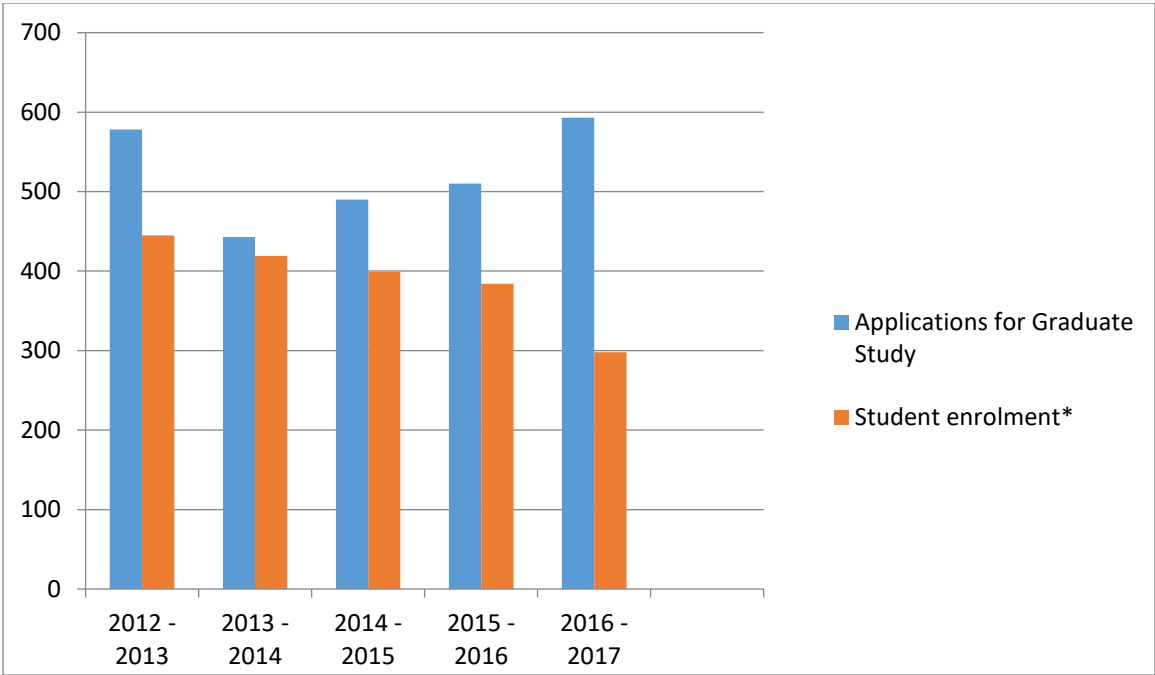
CGS = Canada Graduate Scholarship

IPS = Industrial Postgraduate Scholarship

Table 3.0 shows graduate student applications and enrolment in the 13 Master’s-level programs for the 5-year period from 2011-12 to 2016-17. Acadia has between 90 and 100 full-time students on campus. However, this figure shows substantially higher numbers. In any given year, there will be a number of students registered full-time who are in the second year of a 2-year program. In addition, the School of Education has a large number of students who are completing their degree on a part-time basis. Due to this, numbers of fully registered students will vary not just among years, but among terms within a year.



**Fig. 1 Graduate Student Applications and Enrolment, 2011/12 – 2016/17**



Numbers fluctuate substantially due to enrolment variations in M.Ed. courses.

