ST. JOHN FISHER COLLEGE

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Alum Dan Borrello puts his radio skills to use announcing Fisher sports events

GOING ABOVE AND

ABROAD • Fisher's Study • Abroad Program



Three large grants enhance Arts & Sciences offerings

> December 2018 Volume 4, Issue 2

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On the Cover: Dan Borrello at Growney Stadium // Photo by Jessica Chung Design Editors Kate Perry Olivia Wild

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MISSION STATEMENT

The Cardinal Courier was created to provide the St. John Fisher College community with quality news coverage. Not only will this news agency work to seek, investigate and report the news, it will strive to do so with honesty and integrity. The Cardinal Courier will provide the campus with a medium in which to read interesting news articles, thought-provoking editorials and entertaining features. Cardinal Courier staff members hope to inform and educate their readers.

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Study Abroad @ Fisher

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BY Natalie Gates neg09706@sjfc.edu

Current Fisher students are familiar with navigating the various "perspectives" levels of their core curriculum, better known as the P1 through P5s. Future students, though, will face an entirely new core curriculum, pending approval.

Associate Dean for the School of Arts and Sciences Dr. Thomas Kim describes the changes coming to the core being "big." The new core is based on a "developmental model which provides students with experiences across all four years which allows us [faculty] to facilitate and measure progress students make among certain skills and knowledge bases," says Kim.

The new core has a big focus on developing students' writing skills over time. Students have more flexibility to investigate different areas. A big part of this is not mandating as many classes as before for students, with the requirements dropping from 45 credits to 30. The requirements aren't as rigid, but there will still be courses that align with the previous topics.

The new flexibility will allow students more external opportunities, and they will be able to fit in other options that weren't available before. It will be easier for students studying abroad or seeking external opportunities.

"Demanding less upfront from students will open up opportunities later on," says Kim. He hopes the faculty will take this as an opportunity to reimagine the sorts of things that they want to teach. This will allow professors to discover the course they have always wanted to teach but never had time to think about.

The incoming class, beginning in fall 2019, will be held to these new core standards. The classes will continue to develop as this incoming class works their way up over the years. Current students will continue with their required coursework under the present system.

Faculty all across campus, and within multiple schools and disciplines, have been working on designing the new core. It is building on the principles of the old core, but allows more flexibility for students.

Arts and Sciences Dean Ann Marie Fallon has been an active member in a group of decision makers for the new curriculum. She began her position as dean at the beginning of the 2017 school year. "The new core is about meeting students where they're at [in their college curriculum] and helping them all the way through their college career," says Fallon.

The new core builds skills over four years, beginning with two components of the current core in learning communities and a writing and research course, but also adding a data analytics course. Students' second year will build on their critical thinking skills while also focusing on courses surrounding diversity and ethics. Their third year requires a writing research class that builds on their writing skills while allowing them to take classes they want to. In a student's final year, they will take the Cardinal Capstone which engages a community project or question. This capstone is designed for students to work



The Core Team Core team members include (back row), Arts & Sciences Dean Ann Marie Fallon, Visiting Assistant Professor of Nursing Tara Sacco, Associate Professor of Biology Greg Cunningham, (front row) Interim Director of Campus Life Stephanie Ketterl (bottom row left) and Associate Dean of Arts and Sciences Thomas Kim.// Photo by Allie Baird

together, and to engage in a community project.

Although students still need 120 credits to graduate, reducing from the 45 credits now needed to complete all core requirements to just 30 credits allows students flexibility to still use credits they may have taken their first year, even after switching majors or finding a different path. This opens opportunities for students to double major, have a minor, or take classes on something unrelated to their majors.

"We really tried to balance; we are trying to make a meaningful core. We strongly believe in, making sure students have courses and opportunities," says Fallon.. [Students will be able to] "explore liberal arts credits that they may not have had the opportunity to take before."

The new core curriculum is a budget-neutral piece for

Fisher, as the class curriculum is shifting, but most courses will stay the same in terms of title and instructor. Down the line, if students are interested, interdisciplinary professors may be hired to teach on multiple topics in the same course.

The courses in the new curriculum include topics on data analysis; research writing; learning community; inquiry and analysis; ethical reasoning; citizenship and civic engagement; diversity, equity and inclusion; and a capstone course on based on a community project.

"This really takes Fisher and the Fisher experience, and Fisher's values, to the next level," says Fallon. The new curriculum is still in the process of being approved by the faculty and administration for the 2019 school year, so the details are subject to change.

A Moment with Dr. Kim



Dr. Thomas Kim is the new associate dean for the School of Arts and Sciences. Kim attended Loyola College for his undergraduate degree and University of Wisconsin Madison for his doctorate.

Prior to joining Fisher, Kim was a program director at the National Science Foundation. Kim also was an associate professor of chemistry at Rochester Institute of Technology for 12 years. Kim is the first person to hold the title of associate dean, and he will be involved in all of the parts within the School of Arts and Sciences.

Kim is still learning his way around campus, and is trying to get himself coordinated with everything that's going on at Fisher. He assists Arts and Sciences Dean Ann Marie Fallon in instituting new processes within the school of Arts and Sciences. He is directly involved in curriculum and is working on several curriculum efforts. He has helped work on the new college core that will be going into effect for the 2019 school year.





Crystal Myers cm02878@sjfc.edu

BY

he study abroad program is evolving at St John Fisher College under the guidance of Dr. Stella Plutino-Calabrese,

who is now finishing her first year as the director of global education. Dr. Plutino's number one initiative: to increase the number of Fisher students who are taking advantage of the opportunity for a semester abroad.

Already the numbers have nearly doubled from last year's 35 students abroad in the spring 2018 to 65 planning to go in spring 2019. With solid partnerships between Fisher and six international affiliates including CIEE (Council on International Education Exchange) and American Institute for Foreign Study (AIFS), there are many opportunities available to students wishing to study abroad.

For example, through CIEE's open campus there is an option to "design your study abroad experience," allowing students to participate in one program but study in up to three different locations.

Biology major Adrianna Soucy participated in the program visiting London, Paris and Rome. She described her study abroad experience as, "one of a lifetime" and encourages other students to seriously consider studying abroad, pointing out, "What better time to go travel than now when you do not have a family or full time job holding you back." A key life skill that Adrianna has learned through her study abroad experience has been the ability to adapt, a skill that she believes will be integral to her success at Fisher and in her future career endeavors.

Another key area of program expansion that focuses on the future are international internships. This

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type of study abroad experience gives students both cultural exposures coupled with practical job experience. Students from the business school, for example, were able to go to London and gain real industry experience. Additionally, through International Programs for Service Learning, students can volunteer to make a difference while they are abroad studying.

In conversations with alumni, Dr. Plutino finds that students cite not studying abroad when they were at Fisher as their top regret. Why don't all students take advantage of studying abroad? Plutino has collected the top four myths that prevent students from applying.

Dr. Plutino speaks from firsthand experience studying abroad in London during her own undergrad experience. She said that studying abroad can be a life-changing experience.

Plutino explains that, "now, more than ever students need exposure to the study abroad experience." It's an experience that gives students skills necessary after graduation. This is demonstrated in a report by USA Today which stated that 41 percent of employers consider offering higher salaries to students who have studied abroad. Dr. Plutino believes that employers are interested in students who have studied abroad because, "knowledge is very powerful and there is no better way to get it than through experience."

All majors have a pathway to go abroad, even nursing. Molly Ciarla is a junior in the nursing school who took advantage of this track and studied abroad in Limerick, Ireland. She found that she was able to take unique classes while abroad that she otherwise wouldn't have had the opportunity to take including Irish Folklore, European Cinema, and Introduction to Gaelic.

The world is so interconnected that students often find that there are additional opportunities to visit other countries besides their host country



Dr. Stella Plutino-Calabrese, Fisher's director of global programs // Photo by Jessica Chung

while abroad. Molly was able to visit 11. She shared that, "immersing myself in a culture other than my own was life altering and a very humbling experience."

Adrianna Soucy had a similar experience, getting to visit Positano, Italy on a weekend trip. She says of her study abroad experience, "I learned so much about myself, my country, other cultures, and all these lessons have made me a better person for it." She had such a positive experience that she will be studying abroad again in Fall 2019, this time to Australia.

The deadline to apply to study abroad for Spring 2020 will be May 1, 2019 and Fall 2020 on Dec. 1, 2019, which means there is still plenty of time to prepare and apply. Dr. Plutino compares going abroad to an "open canvas," the only question is where will your masterpiece be?

THE ABROAD TRUTH

Myth No. 1: It's difficult

Reality: The process to study abroad is straightforward. There are plenty of info sessions offered throughout the year and if you miss one you can always schedule a oneon-one appointment with Dr. Plutino to explore your options. Some of the basics covered include getting your passport, having a target region or country of interest to go to, and filling out the short application.

Myth No 2: It's expensive

Reality: In most circumstances a student's current financial aid package can be applied to a study abroad program; this is worked out on a case by case basis with the financial aid department. But even if financial aid doesn't cover or only partially covers costs, there are scholarships available through partners that Dr. Plutino can assist students in acquiring. Myth No. 3: I will have to stay in college an extra year

Reality: The registrar's office works closely with the study abroad office to ensure that the classes taken during that semester will "count." This ensures that students are still meeting the requirements and credit hours in order to graduate.

Myth No. 4: I won't know anyone

Reality: Well, this is partially true but studying abroad is all about meeting people. There will be locals as well as other students just like you. Each study abroad program has built in support along the way, so you are never alone, you will have advisors and teachers there to assist.



Top Right // Adriana Soucy in Paris // Provided by Soucy Middle Right // Molly Ciarla in Limerick Ireland // Provided by Ciarla Bottom Right // Sarah Wolf in Limerick Ireland // Provided by Wolf

THE VOICE BEHIND THE BEREPER BY

Jamie Malloy jtm02139@sjfc.edu

Alum Dan Borrello puts his radio skills to use announcing Fisher sports events



Dan Borrello // Photo by Jessica Chung



Dan Borrello, left, at his induction into the Jack Palvino Communication/Journalism Hall of Fame in 2012 with student Jessica Stokes and Trustee Jack Palvino, namesake for the Hall of Fame. // Provided by the Media & Communication Department

t's good for another Cardinal ... FIRST DOWN!" This is just one of the familiar phrases from St. John Fisher sports announcer Dan Borrello, longtime voice of the Cardinals over the public address at Growney Stadium and the Varsity Gymnasium.

Borrello is a 2002 graduate of Fisher with a bachelor's degree in Communication/Journalism, who always desired to enter broadcasting as a potential career choice.

Borrello started off by saying he had three schools to choose from where he could study in communications, to fulfill his lifetime dream of entering the field of sports broadcasting. While he was living very close to SUNY Fredonia, Borrello chose Fisher because he wanted to be away from his home.

"Fredonia was like 10 minutes from my house," he commented, "I didn't want my father just showing up at my doorstep on a Saturday, 'Hey, what's going on.' I came to school here (at Fisher) and I majored in COMM and I wanted to be a broadcaster. Along the way, I discovered I enjoyed writing and newspaper writing as well as magazine writing and I minored in English."

The 38-year-old completed three internships while at Fisher, leading to his first broadcasting job for News Radio 1180 WHAM Rochester.

"I joined WHAM as an overnight board director," he said. "The cluster of radio stations known as iHeartRadio (formerly Clear Channel), owned seven stations and WHAM at the time was a ratings juggernaut."

Borrello worked in various positions in Rochester radio from his graduation in 2002 until 2016. In addition to his five years as a producer at WHAM, he worked as a producer for The Break Room show on WCMF and Sports Radio 950 (WROC-AM) and as a

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Borrello on stage awaiting presentation of his award // Provided by the Media & Communication Department

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host and assistant producer for a sports talk show on 95.7 FM and 950 AM radio in Rochester.

Borrello then started talking about Buffalo Bills Training Camp and remembers the time when he heard the Bills were first coming to Fisher for the practices. He wrote a column for a school paper claiming why the fans would grow tired of the practices here and how they would be as boring as they were at SUNY Fredonia.

"When the Bills announced they were first coming to Fisher," said Borrello, I wrote a column saying, 'If you're ready to come to Fisher, camp's going to suck', and you're going to get sick of it after a while."

Borrello also interned with the Bills, and remembers when he was the public relations guy for them. He then talked about the difficulty of that job, and how every story had to be positive, and how he was not allowed to be objective as they are a professional sports team.

"It was hell," he recalled. "It was when Tom Donahoe was the general manager and the organization had become extremely paranoid."

Since then, Borrello has recommended to students that in order to intern with the Bills, they have to be ready to write nothing but public relation pieces, or be called out by the entire organization. "Be ready to be a public relations machine or you're going to hate the job," he said, "plus, it requires every story to be spun out in a positive light."

In his 19 years of public address announcing for the Cardinals, Borrello always looked to fix mistakes he made, but one in particular still sticks in the back in his mind today.

"There's always room for improvement," he said. "I had had a coach tell me the other day I do a great job at announcing, but there's one thing I've gotten wrong."

For years, Borrello was confused when the team moved the ball in their own side of the field before crossing the 50 yard line and moved it down in the opponent's side of the field.

"There's one thing I've been wrong about," he answered. "If you're on your own 20 or 30 yard line and you complete a pass it's up to the 40, up to the 48, and then after crossing midfield it's down to the 48, down to the 41 and I never knew that in my 19 years."

Borrello remembered announcing the years when Fisher football was making the NCAA Division 3 Tournament when the program was starting to turn into a national powerhouse. He even announced when the Cardinals made it to the Final Four in 2006.

"It was really emotional," he said. "Coach Vos (Paul Vosburgh) had to build that program and then rebuild the program. When I came to Fisher, we won maybe one to three games a year."

Borrello then remembered announcing the games when the team would play St. Lawrence, because they were even worse than Fisher was at the time. They were so atrocious that they would bring their football team to Fisher while their other fall sports played home games.

"It was a welcome sight," he said. "St. Lawrence was so bad that every time Fisher would play them they would win and would beat them pretty well."

Borrello also announces the home games of the Cardinals' women and men's basketball teams every year during the winter, but he prefers to announce football instead because of people like Vosburgh. He also likes how the football program has come a long way since he took over as the head coach in 1991.

"He's the coolest guy," Borrello stated. "He's always even-keeled, and has represented not only the football team, but the entire athletic department also because he is allowed to announce for other schools if they don't play the same time as Fisher does.

"It's a little bit of both," said Borrello. " I was asked by others schools to announce their games and said I'll announce your games as long as they don't interfere with Fisher games, and they pay me double than what I am paid at Fisher."

Every Saturday home football game, graphics are shown on the large jumbotron at Growney Stadium, such as, "Loud Noises" from the movie Anchorman, and, "Woohoo" after the Cardinals make a first down.

Borrello said he is familiar with the line, "Loud Noises," but some-

times, he becomes annoyed with it, and doesn't always want it played on the jumbotron. "In fact, we have to sometimes remind Evan (the technical producer) not to play it so much."

Finally, Borrello said he is very excited about the future of the football program here at Fisher, and predicts they will have a strong year during the 2019 season.

"Absolutely," he said. "I think the program is in really good hands, and I know Coach Vos and his staff will bring in the right student athletes to turn this program around, and I think next year they're going to have a heck of a year."

Dan Borrello // Photo by Jessica Chung

as well." Borrello also prefers announcing football due to the difficult and long ending of the last two minutes in basketball.

"There's no discussion," he stated. "Football is my favorite sport because it's an event, and the thing about basketball, the last two minutes always end with a foul, and a time out and then a foul and it drives me nuts."

Borrello gets a stipend for his work, but said he doesn't announce only for the money, but





BY Colin Witman Colin Witman

his past summer, the St John Fisher College School of Arts and Sciences received \$1 million in grants for three different programs.

Science scholarships

A substantial portion of the total, roughly \$650,000, was given to advance science and technology education.

Most of that money, coming from a federal program that supports science, technology, engineering and math (often referred to as STEM) education, will go to scholarships. A recipient of the STEM scholarship at St John Fisher College will receive \$6,000 of financial aid in their first year, and then \$8,000 for years two through four of their education.

STEM scholarships will be given to select students who are U.S citizens, are enrolled or enrolling into full time the biology or chemistry program and, lastly, are identified as Pell-grant eligible as determined by the Free Application For Student Financial Aid.

Not only will future scholarship recipients receive financial aid, they will also receive access to internships to any of Fisher's six community partners: Vaccinex, George Eastman House, Seneca Park Zoo, Rochester Museum and Science Center, Genesee RiverWatch or iuvo BioScience.

Dr. Kristin Picardo, an associate professor of biology and director of the Center for Student Research & Creative Work, is optimistic about the new scholarships and the opportunity they will offer students.

"This grant will help provide more opportunities for students to conduct research as undergraduates and will provide structure around developing new internships in STEM fields for our students now and long after the grant period," she said

War remembrance

Another large grant to an Arts and Sciences unit went to the History Department, which received \$100,000 for a war remembrance program.

This two-year grant awarded to St John Fisher College through the National Endowment for the Humanities is funding a project aimed at reaching out to the community of Rochester-based veterans through the exploration of every conflict from World War I through the Afghanistan/Iraq counter-insurgencies.

Taught by history professors Dr. Carolyn Vacca and Dr. Frederick Dotolo, a course called Dialogues of War was set to have students generate discussion with war veterans in the local Rochester community who want to actively engage with students and share their experiences. "All the feedback has been positive. We have a pre- and post-program survey and everybody wants the students to come back again. The students talk to World War II veterans and it gives the veterans a chance to get back together and share their stories," said Vacca.

Based on the prior success of the program, HIST 403: Dialogues of War will be offered again in the near future.

New spectrometer

The final grant that St John Fisher College was awarded comes in the sum of \$305,000 to be used to buy a new nuclear magnetic resonance spectrometer.

The grant from the National Science Foundation's Major Research Instrumentation program will allow the college to buy a Bruker 400 MHz AVANCE NEO spectrometer to replacing the old NMR machine that the Chemistry Department has utilized over the past few years.

The upgrade in technology is not just considered to be advanced for colleges and universities but is considered to be one of the most high-tech pieces of equipment in a chemist's lab to date.

Dr. Brad Kraft, an associate professor of chemistry, has used the old NMR and is excited about the prospect of having the new NMR on campus.

"The new cutting-edge Bruker 400 MHz NMR spectrometer will allow us to catapult faculty and student research to new levels as it will improve and expand upon the number of NMR applications available and with higher resolution for the structure elucidation of various chemical compounds," Kraft said

Not only will the updated technology assist current students and faculty in their research endeavors, but it will also be used to draw in the next generation of future Fisher scientists.

"We also plan to offer a hands-on NMR workshop for area secondary school students who attend Science Exploration Days on SJFC's campus. We expect all of these efforts to enhance the attractiveness of SJFC's science and pharmacy programs and encourage students to pursue careers in STEM fields," said Kraft.





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New instrument will help researchers visualize molecules

Evan Bourtis emb04651@sjfc.edu

ou can't see atoms. You can't see molecules... but the fact that we can look at something and say that 'this tells me my molecule looks like this' is pretty amazing," said chemistry professor Dr. Thomas Douglas.

A new piece of research equipment called a nuclear magnetic resonance spectrometer that Fisher will be acquiring with a grant from the National Science Foundation will help anyone doing chemistry research at Fisher do just that. The new machine will replace a 24-year-old one now located on the first floor of Skalny Hall.

Douglas has been fascinated with NMR spectroscopy, a powerful tool to determine chemical structures, ever since he was an undergraduate student. "I've had quite a bit of experience with NMR. I would not classify myself as a perfect expert by any stretch of the imagination. But I know quite a bit about it," Douglas said.

NMR (nuclear magnetic resonance) uses a powerful magnetic field and radio waves to cause the nuclei of atoms to absorb energy, which is translated into clues about where the atoms are in the molecule that can be displayed visually.

The new NMR machine will be installed early next summer. Douglas has taught at Fisher for 32 years and remembers when Fisher installed the current NMR instrument, in 1994. Since then, chemistry, biology, and pharmacy students have used it, for classes and independent research projects.

Chemistry professors, Dr. Bradley Kraft and Dr. Renuka Manchanayakage and Pharmacy professor Dr. Anand Sridhar wrote and submitted the grant for the new \$304,950 instrument.

Dr. Sridhar has used NMR to determine the chemical structure of drugs he researches. Sridhar explained that, in order to determine how a drug will work in the body, researchers need to know its structure. "Because we're putting it in human bodies, we have to be 100 percent sure of the structure. And NMR is the best tool available to us to execute that," Sridhar siad.

One current research project Sridhar is working on involves determining whether chemicals in kalanchoe, a medicinal African plant, have antiviral properties. Currently, Sridhar is collaborating with two biology professors and students to look at how the extract of the plant affects cells.

Around next summer, Sridhar plans on using the new NMR instrument to determine the chemical structures in the kalanchoe



Chemistry professors Renuka Manchanayakage, left, and Bradley Kraft use the current NMR machine (between them) in their research // Cardinal Courier staff photo

extract. "I think it [the new instrument] will give us much more accuracy with regards to the data."

Students have also used NMR for independent research projects. Senior chemistry major Erin Tiede is looking at the process of chelation, which has been used as a treatment for heavy metal poisoning. In chelation, a molecule attaches to a metal in multiple places. She was able to use the existing NMR machine for this during a summer science fellows project.

Tiede's classmate, Katie Lowry, also worked on a project that investigated chelation. Lowry explained that, since many of the molecules she made had never been researched, she relied heavily on NMR to determine their structure, how the molecules interact with metals, and how long it takes for the molecules to degrade. "We're making brand new molecules and we're really using the NMR to make sure that our

syntheses work, because they've never been done before."

Even though they're both graduating, Tiede and Lowry are excited about the installation of the new instrument, since it will make the graphs (spectra) generated easier to read because they will be created with higher resolution. The new machine also will work faster than the old one, allowing more students access to it.

One thing that the chemistry department may do with the new NMR instrument is to allow high school students and teachers to use the instrument. Sridhar said that this program may take over a year to develop, but would like to see the NMR instrument help the community.

"Once the instrument is housed here and up and running, maybe about a year from now, we will probably be able to reach out to local schools and say, hey, we have this instrument," he explained.

IN CASE YOU MISSED IT...

The following pages contain photos from on-campus events in November and the beginning of December. Forw more online stories, please go to cardinalcourieronloine.com

> Right // Destination Reviews, Pittsford Farms Dairy // Photo by Matt Molinaro

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Left Above II Dr. Martha Susiario 135 II Left Above II Dr. Martha Susiario 135 II her research in Basil 135 II Presenting her research in Bourtis Presenting Evan Bourtis Photo by Evan Bourtis



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