

# ***FROM THE DEAN'S DESK – September 15, 2017***

THE RADFORD UNIVERSITY ARTIS COLLEGE OF SCIENCE AND TECHNOLOGY NEWSLETTER



*President Hemphill, Governor McAuliffe, Dr. Uppuluri, and the Award Winning Cyber Defense Club at Radford University. They are joined by Virginia Secretary of Education, Dr. Dietra Trent, and Secretary of Technology, Karen Jackson.*

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## NEW CYBERSECURITY PROGRAM ARRIVES WITH IMPACT

When the Governor of the Commonwealth of Virginia comes to campus to help launch a program, you know it is a big deal. On Friday, September 8, a revolutionary new program named Innovative Mobile Personalized Accelerated Competency Training (IMPACT) was announced with great fanfare.

This new program features competency-based education (CBE) which is centered on an approach to teaching and learning more often used in learning concrete skills rather than abstract learning. Students gain expertise in a subject as they complete exercises in an asynchronous environment online. The program is targeted to be most attractive to working professionals, where they can move at their own pace and complete a cybersecurity certificate that will also earn them 18 credit hours. IMPACT training will also prepare participants for professional certification exams that are key to high-paying and high-demand job opportunities that are available in the new economy.



*Gov. Terry McAuliffe joined local, regional and state government representatives, including Education Secretary Dietra Trent, Technology Secretary Karen Jackson, Education Deputy Secretary Nathalie Molliet-Ribet, Delegates Nick Rush and Joseph Yost '06, M.A. '08, as well as Radford University Board of Visitors members and President Brian O. Hemphill, IMPACT Executive Director Matt Dunleavy and other university administrators on Sept. 8 in Radford University's Kyle Hall to introduce the ambitious endeavor to more than 550 guests at the IMPACT launch event. The Governor and President Hemphill are featured with the faculty who are the driving force behind the IMPACT program.*

At present, Virginia has more than 36,000 job openings in cybersecurity related fields. Participants in the IMPACT program will have a distinct advantage in filing those jobs following their training experience through Radford University.

At the launch event, Governor Terry McAuliffe said "We've got the jobs, and I want to thank all of the folks here, because now we have to train armies and armies of cyber warriors." He added "You are at the forefront."

Radford University President Dr. Brian O. Hemphill stressed the connection of this revolutionary new program to the institution's rich heritage in education. "We are a university that will forever be rooted in our strong tradition of teaching and learning. But, we are also a university that has a resilient drive to innovate and a desire to be on the cutting edge" he stated. "With this first-of-its-kind program in the Commonwealth, Radford University will continue to be a leader."

Due to the immediate demand for cybersecurity professionals in Virginia, IMPACT will open courses in this area on October 1. Dr. Prem Uppuluri, Professor of Information Technology, has been working closely with Dr. Matt Dunleavy, Executive Director of IMPACT, as well as a number of faculty and staff to develop this program over the past six months. Radford University has been a leader in cybersecurity education and was designated in 2016 as a Center of Academic Excellence in cyber defense by both the National Security Agency (NSA) and the Department of Homeland Security (DHS). During his remarks, Governor McAuliffe recognized members of the "award-winning Radford University Cyber Defense Team" who visited him in Richmond earlier this year following their outstanding showing at the inaugural Virginia Cyber Cup competition.

The Artis College is well represented in the IMPACT program. In addition to the initial offering of cybersecurity, the next program to be made available will be geospatial intelligence in the spring of 2018. Dr. Andrew Foy and Dr. Stockton Maxwell are working to craft a sequence of training sessions that capture the essence of programs that have only been traditionally available on campus.



***Dr. Stockton Maxwell, Associate Professor of Geospatial Science, during the IMPACT launch event demonstrating the education virtual reality tools that are being utilized in GIS programs.***

At the launch, IMPACT is only available to participants who are associated with partner organizations to Radford University. A diverse group of public and private companies as well as government localities have signed on as opening members including Radford City Schools, Government, and Police Department; the Virginia Department of Education and the Virginia Credit Union League; and private companies such as Studio Center, Uzurv, Cypherpath, Ennoble First, NC4, and ManTech. Based on the excitement at the launch event, partnerships will continue to grow rapidly.

Learn more about this program at: [www.radford.edu/impact](http://www.radford.edu/impact)

*Mary Hardbarger contributed to this story*

## **RADFORD UNIVERSITY EXPLORES NEW POSSIBILITIES FOR INCLUSIVE EXCELLENCE IN SCIENCE**

Helping students succeed is the core of a new, million-dollar initiative at Radford University. REALISE: Realising Inclusive Science Excellence is a new program designed to develop learning environments that are student-ready, welcoming and inclusive. A large component of the project is the expansion of the University's Maker opportunities, especially in entry-level biology, chemistry, physics and other science courses.

The REALISE program held a Kick-off event and Expo on August 25 at the SELU Conservancy Barn where goals, concepts, and inspiration were shared with faculty and administrators. The five-year program is enabled by a \$1 million grant from the Howard Hughes Medical Institute (HHMI) - the largest private, nonprofit supporter of science education in the United States.

Radford University President Brian O. Hemphill recognized the significance of this grant in his opening remarks by stating "I would like to acknowledge the Howard Hughes Medical Institute for the deep gratitude that we have for allowing us to be a part of this effort." He added "This shows a great deal of faith that they have in this University."

Dr. Hemphill also addressed the potential impact on the Radford University Community. "This collaborative program will ensure that more students have success. You will help Radford fulfill our vision," President Hemphill said. "Your efforts show the university community uniting. I commend the bold thinking and innovative teaching that will come."

Provost and Vice President for Academic Affairs Graham Glynn expanded the impact of the REALISE program stating "It is in Universities like Radford where we are comprehensive and where we are teacher-scholars, that we are going to transform education." He added "Too often, students get the impression that it has all been discovered. We need to share with them the excitement about the lack of boundaries for the future. Project and research-based teaching does that."



"REALISE takes a large, holistic approach to inclusive excellence by which we hope to affect our students, faculty, curriculum and the institution," said Associate Professor of Biology and REALISE Program Manager Tara Phelps-Durr.

*Radford ACSAT faculty convene to explore enrichment activities for teaching and learning in the sciences.*

Dr. Phelps-Durr and the REALISE leadership team of ACSAT Dean Orion Rogers, Assistant Provost for Academic Programs Jeanne Mekolichick and Professor of Biology Jeremy Wojdak, will focus Radford's efforts on enhancing introductory-level courses that introduce students early on to STEM fields, piquing interest and directing students toward related career options.

Radford's maker program is a key-component to the success of the REALISE effort. During the kick-off and Expo, faculty shared items and materials they have used to engage students in current programming as well as the challenges and opportunities that exist in bringing these elements to fruition. REALISE will help provide assistance in the form of training and release time for faculty to become more proficient in maker projects and other activities. A group of post-doctorate adjunct faculty members will be joining the Radford University community in support of this effort.

Radford University is just one of two higher education institutions in Virginia to be selected to the prestigious HHMI Inclusive Excellence program to increase the capacity of colleges and universities to engage all students in successful science practices. The initiative targets undergraduates who enter four-year institutions via non-traditional pathways.

The HHMI considered pre-proposals from 511 schools from across the United States. Over multiple stages of peer-review by scientists and science educators, HHMI identified Radford as one of 24 schools nationwide for an Inclusive Excellence 2017 award.



***Faculty shared ideas and projects that have been useful in classroom and field activity during the REALISE kick-off event and expo on August 25.***

*Don Bowman contributed to this story*

## SUMMER PROVIDES OPPORTUNITY FOR GROWTH, RESEARCH, AND EXPLORATION

The summer period between spring and fall semesters allows time for Artis College faculty and students to experience new adventures outside the classroom.

### Wildlife field research:

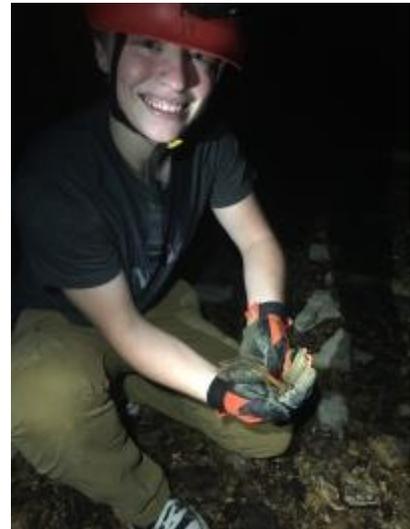
This summer was a busy one for faculty and students working with wildlife. Two professors in biology showcased their research and student engagement.



*Makayla Beckner pictured with an Allegheny woodrat.*

From Dr. Karen Powers:

Students and I worked on several projects, including: (1) surveys of Allegheny woodrats in western Virginia, (2) detection probability of eastern small-footed bats at Devil's Marble yard, and (3) assessing the health and activity levels of federally-threatened gray bats in far southwestern Virginia. Recent RU Biology graduates Heather Custer and Justin Bentley assisted, along with RU Biology seniors Makayla Beckner (pictured, left, with an Allegheny woodrat) and Sandra Bryan. Senior Ryley Harris also assisted for a day trip.



*Sandra Bryan holds a salamander found in a cave in southwestern Virginia, where the team was deploying acoustic detectors to record bat activity.*

We worked with colleagues at the Virginia Department of Game and Inland Fisheries, Virginia Department of Conservation & Recreation's Natural Heritage Program, and Virginia Military Institute, and Virginia Tech. These were great experiences for students and faculty alike!

From Amy Roberts:

I work summers for the Virginia Department of Game and Inland Fisheries as a wildlife biologist assistant, searching for amphibians and reptiles (herpetofauna). This summer, I spent the first half surveying for the federally-threatened, state-endangered bog turtle. Accompanying me were students

from Radford University, Virginia Tech, Wytheville Community College, and New River Community College. We set traps for the turtles at sites where they have been studied for decades.

For the second half of the summer, students helped me survey for “herps” across far southwestern Virginia. We even documented the presence of some species that had no former county records!



***Recent RU Biology graduate, Justin Bentley, holds an old bog turtle with part of a transmitter still attached. A former Virginia Tech grad student studying the species had obviously tracked this turtle using radio telemetry and was really good at attaching the transmitter to the shell. Note the notches on the carapace (top shell), used to identify the same turtle in the future.***

### **Anthropological Sciences and Forensic Science Institute:**

Kimber Cheek, under the mentorship of Donna Boyd, conducted research in Dundee, Scotland, identifying risk factors associated with non-accidental pediatric cranial trauma toward preventing mortality from such trauma.

Three students, Kelcie Noonkester, Katherine Harris, and Katie Thomas finished different archaeological field schools- two in Virginia and one in Ireland.

Marta Paulson conducted research for her Honors capstone in anthropology.



***Dr. Donna Boyd and Ms. Kimber Cheek***

## **NASA Institute for High School Mathematics:**

NASA scientists and engineers side by side with Radford University mathematics and education faculty are helping teachers discover new paths to connect their students to STEM.

Since 2010, a partnership between Radford University and the National Air and Space Administration has helped hundreds of teachers discover new routes for student success through the NASA Institute for High School Mathematics.

Funded by a Math Science Partnership (MSP) grant from the Virginia Department of Education, the institute allows 25 secondary math teachers to visit and learn from education specialists and engineers at NASA Langley Research Center in Hampton.

Representing Radford University at this Institute are Dr. Agida Manizade, Associate Professor of Mathematics and a principle investigator for the grant, and Dr. Darryl Corey, Associate Professor and Program Coordinator for the Online Masters in Mathematics Education.

As career fields increasingly move toward science, technology, engineering and mathematics (STEM), students need to approach challenges with new and inventive techniques. Many times, this involves critical thinking and problem solving that utilize skill sets from multiple disciplines.

To help these students advance, K-12 educators need opportunities for innovative growth and development. Learning environments can be fully redeveloped through the immersive experiences gained at the institute for participants from partnering school divisions. For two weeks during the summer, teachers work with a team of NASA scientists, engineers and educational specialists, touring



*Dr. Darryl Corey and Dr. Agida Manizade at the NASA Institute for High School Mathematics*

various NASA facilities, attending presentations and collaborating with NASA engineers and education specialists.

Content from NASA missions and innovations including elements from the Mars rover project, is used in modeling and simulation activities that take real-world engineering projects and help fine-tune them for use in mathematics lesson plans.



*Dr. Manizade leading a session at the NASA Institute for High School Mathematics.*

### **Radford Amazonian Research Expedition:**

A record number of students had the opportunity to experience one of Radford University's signature research opportunities by traveling to the most biodiverse areas of the world. Twenty-nine students, along with four faculty members, participated in the 2017 Radford Amazonian Research Expedition (RARE), a three-week trip to Peru on which students not only conduct original research, but develop new knowledge, build strong relationships with each other and faculty, explore the exotic terrain, and provide service to the residents of the region.

Due to the increased number of participants, the expedition was split into two trips for 2017. The first group left May 15 and arrived back in the United States on June 4. The second team traveled from July 16 to August 6. Another new aspect of the trip is a visit to Machu Picchu.



*Participants in the Radford Amazonian Research Expedition at Machu Picchu*

RARE is centered on science, but also has opportunities for many different areas of study. In 2017, participants include majors in anthropological sciences, biology, computer science, and geospatial sciences from within the Artis College along with criminal justice, dance, nursing, psychology, sports medicine, and visual arts from across the University. The program has gained a reputation as being a life-changing and enriching experience over the past two years which has increased interest from across the University.

In addition to research and study, participants in RARE also engage in service activities. For several years, participants have helped support an animal rehabilitation facility in Puerto Maldonado through fundraising efforts and sweat equity in building projects. The rehab center is near and dear to the hearts of RARE team members as it provides opportunities to engage with several animals ranging from monkeys to a baby sloth and even a boa constrictor.

Service extends to research projects that can benefit the region. For example, geology major Brigette Miller used a drone to capture images of Lucerna, a small community whose inhabitants can now use that footage to impact their way of life.



*Baby sloth at an animal rehab facility in Peru*



*Conner Philson lends a hand to Abby Malmberg on a muddy hillside in Peru*

The environment is challenging in itself and through trials, strong team bonds are formed. From muddy trails to ever changing weather patterns, RARE participants help each other in a variety of ways and learn much more about disciplines they may have never previously considered. Many times the challenges come from conducting innovative research in a remote part of the planet.

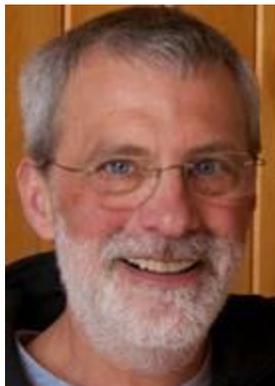
Reflecting on his first RARE trip, Dr. Stockton Maxwell, Associate Professor of Geospatial Science, noted “Those kind of moments were really enlightening to see, and part of that is how we develop RARE. Students had to change projects because they couldn’t find what they were looking for, but they didn’t stop, they just kept on going.”

One unique element of the 2017 RARE experience was the ability to conduct projects over the two sessions spanning several months. Students were able to expand on ideas and experiences with the additional trip adding greater benefit to the communities in Peru.

Learn more at [www.radford.edu/rainforest](http://www.radford.edu/rainforest)

*Mary Hardbarger contributed to this story*

## ARTIS COLLEGE FACULTY ACHIEVEMENTS



*Dr. Joel Hagen*

Dr. Joel Hagen is the recipient of the 2017 Artis College of Science and Technology Outstanding Teaching Award, presented at the ACSAT Spring Commencement ceremony in May. This award is given to the college faculty member who is successful in teaching and mentoring undergraduates. Faculty members are nominated for this award by their students and student leaders within the Artis College select the recipient.

Assistant Professor of [Chemistry](#) Amy Balija was recently awarded the 2016 Centennial Award for Excellence in Undergraduate Teaching by [Iota Sigma Pi](#), a national honor society for women in chemistry.

The national award recognizes excellence in teaching chemistry, biochemistry or a chemistry-related field by a woman scientist whose primary duties are teaching undergraduates. Nomination for this award involves letters of recommendation from colleagues and students.

"Winning this prestigious award was a surprise and a great honor," Dr. Balija said. "Attending the Awards Ceremony made me proud to represent all the Radford women educators, who work tirelessly for our students. I wish that all faculty and staff could be commended for their excellence in educating our Radford students."

Dr. Balija, who joined Radford University in August 2016, was presented the award at the July 7 Iota Sigma Pi Triennial Convention in Indianapolis, Indiana. At the convention, Balija and the 2017 Centennial Award winner presented a panel discussion talking about how they successfully engage students in class and answering questions ranging from research to work/life balance. Radford University Chemistry Department Chair Christine Hermann, a member of Iota Sigma Pi, also attended.

In addition to the award, Dr. Balija also received \$500 and membership in Iota Sigma Pi. Founded in 1902, Iota Sigma Pi promotes and stimulates interest and personal accomplishment in the chemical fields. Members are elected based on their scholastic and/or professional record. Their membership includes undergraduates through retired female scientists.



***Radford University Assistant Professor of Chemistry Amy Balija (center) received the Centennial Award for Excellence in Undergraduate Teaching at the Iota Sigma Pi Triennial Convention in Indianapolis, Indiana.***



*Sr. Parvinder Sethi and Mr. Zachary Yates*

Dr. Parvinder Sethi, Professor of Geology, is the 2017 recipient of the Donald N. Dedmon Distinguished Teaching Professor Award. This award recognizes faculty with an outstanding record of teaching at Radford University, who are professionally active in their discipline and are recognized by colleagues and students as thoroughly knowledgeable in the subject matter and current scholarship of their teaching discipline.

Dr. Sethi has been effective in the use of innovative and creative teaching methods which take his students outside the classroom boundaries and around the world. Since 2008, Dr. Sethi has been

creating virtual field trips utilizing a variety of technologies including a gig pan mount and stitching system that can help produce a massive image with many layers of study for students. His work has been recognized as groundbreaking and innovative. A product manager who helped serve as an editor for Dr. Sethi's project said his concept was far more intense than the typical slideshow and text virtual field trips to which they were accustomed. "It was the kind of thing we'd been dreaming about," she said.

As a part of this award, recipients nominate a student to receive a scholarship from the Radford University Foundation. Dr. Sethi's student scholarship recipient is Zachary Yates, a senior majoring in Geology

Dr. Agida Manizade, Associate Professor of Mathematics, is the 2017 recipient of the Distinguished Creative Scholar Award. This award recognizes significant original contributions to the body of knowledge in academia. It also rewards contributions that have had a significant impact on effective classroom teaching. Recipients have a sustained record of outstanding creative contributions to their academic discipline and their scholarly work should have a significant positive impact upon their teaching.



*Dr. Agida Manizade and Mr. Alex Moore*

Dr. Manizade helps her students discover new avenues to understanding geometry and other complex mathematical forms through her creative use of models ranging from crocheted elements to 3-d printed replicas. She has also been a great proponent of the best teaching practices for mathematics as the editor of the "Virginia Mathematics Teacher Journal." Dr. Manizade is also a lead instructor in the NASA

Institute for High School Mathematics which is funded by a Math Science Partnership (MSP) grant from the Virginia Department of Education. The institute allows 25 secondary math teachers to visit and learn from education specialists and engineers at NASA Langley Research Center in Hampton.

As a part of this award, recipients nominate a student to receive a scholarship from the Radford University Foundation. Dr. Manizade's student scholarship recipient is Alex Moore, a graduate student pursuing a Master of Science degree in Mathematics Education.

Dr. Jeremy Wojdak was inducted into the Million Dollar Circle during Fall Convocation on August 24. The Million Dollar Circle program recognizes members of the Radford faculty who receive a cumulative total of \$1 million or more in external grants or contracts.



*From left, Provost Graham Glynn; honorees Professor of Biology Jeremy Wojdak and Associate Professor of Nursing Vicki Bierman; interim Dean of the College of Graduate Studies and Research Laura Jacobsen and President Brian Hemphill.*

## **RADFORD UNIVERSITY STUDENT FOUND HIS PASSION IN DATA**

There was a nagging feeling in his mind and constant thoughts of whether he was on the right track to his career. Steve Oake had been studying software engineering but knew deep down that he should be pursuing a different degree. There was a decision to be made, would he change direction or was he bound to his first decision?

“There was this haunting feeling that I was heading down the wrong path and I kept coming back to databases. It was not until I made the decision to change courses and make the commitment to working with data that I finally felt at ease,” Oake said.



***Steve Oake***

As a non-traditional student at age 47, Oake started his academic career with computer networking at Danville Community College. Shortly after taking a few programming classes, Oake’s professor, Cassandra Satterfield, who is also a Radford University alumna, suggested that he consider enrolling in Radford’s software engineering program.

“My professor informed me that the university’s class sizes were smaller compared to a lot of other schools, the professors were friendly and helpful, and there were great employment opportunities within the field,” explained Oake. After graduating with his associate degree in networking and computer programming, Oake transferred to Radford during the fall 2013 semester to obtain a Bachelor of Science degree in computer science and technology while specializing in software engineering and database administration. He also earned a certificate in computer security.

Oake realized that database was his passion after taking a database class his first year at Radford, “This class challenged me. I could tell that the university not only wanted their students to progress through the database concentration but also to maintain a reputation of producing top-quality graduates in the profession.”

During his second semester, Oake discussed Radford’s Database and Information Management master’s program with Dr. Jeff Pittges who informed him that the DAIM program would provide a deeper understanding of how to properly handle and process data including big data, one of the newest and fastest growing fields in computer science.

While finishing the last year of his undergraduate degree, Oake started the DAIM accelerated program. Oake indicated that Radford and the DAIM program offers a lot to students. Since attending the university on campus, he has been offered three positions within his field of interest. He also added that the hands-on experience and working with exotic databases are great aspects of the program.

Not only does Oake appreciate the experience that Radford has to offer, he also values the relationships he has developed with his professors and hopes to hold a full-time position at the university after finishing the program. Oake stated, “All of my life, no matter which career I was in, I always felt that I had missed the glory days or worse, was reaching the end of that trade’s existence. I knew this was the right choice for me.”

*Story by Emily Lewis*

## NEW FACULTY MEMBER JOINS DEPARTMENT OF GEOLOGY



*Dr. Ryan Sincavage*

The Geology Department is pleased to share news of addition of a new tenure-track faculty member – Dr. Ryan Sincavage who comes to us from Vanderbilt University.

Dr. Sincavage has over 20 years of experience in academia and industry with a focus on understanding how surface processes are transmitted and stored into the sedimentary record. After he finished his undergraduate degree from Penn State, he spent 4 years in the oilfield services industry working on 3-D seismic vessels in basins all around the world, from the Gulf of Mexico, offshore Canada, Brazil, and West Africa.

He completed his Masters at the University of Colorado, followed by several years in the environmental consulting industry, mainly working on geophysical detection of unexploded ordnance (UXO) at former military installations across the U.S. His true passion was for teaching, however, and after a 1.5 year stint as an adjunct lecturer in the department of Geography and Environmental Sciences at the University of Colorado Denver, he was hired as a full-time instructor. He recently finished his Ph.D. at Vanderbilt University in Nashville, TN, focusing on the myriad ways fluvial system dynamics interact with active tectonics and climate to create the complex stratigraphic record of the Ganges-Brahmaputra-Meghna delta in Bangladesh.

Ryan is happiest when out in the field collecting data, and his favorite courses to teach include those with a large field component. An east coaster originally, he grew up just off I-81 in upstate New York and is excited to be back in the Appalachian Mountains of his youth. He looks forward to many years of mentoring the great students of the Geology Department at Radford through coursework and exciting research projects locally, regionally, and internationally. When not prepping for class or working on his research, you can usually find him hiking in the forests and mountains with his dog Juno, cycling on windy back roads, skiing (either downhill or cross-country) during the winter, and finishing the day with some good music and a pint of local craft beer (or his own- he has been home brewing for 20 years).

## JUMPSTART CAREER CONFERENCE TO BE HELD SEPTEMBER 23

The JumpStart Career Development Conference is an immersion experience helping participants discover career interests, obtain skills to succeed, maximize networking potential and thrive on a career development journey.



**2017  
JUMPSTART  
CAREER  
DEVELOPMENT  
CONFERENCE**

9.23.17  
9:00 AM - 4:00 PM  
BONDURANT  
AUDITORIUM

**Want to jump start your career  
but don't know where to start?**

**Saturday, September 23  
9:00 AM – 4:00 PM**

Register in **i handshake**  
**radford.joinhandshake.com**  
Select **“Events”** and **“Join Event”**

**RADFORD UNIVERSITY**  
Center for Career and Talent Development

**RADFORD UNIVERSITY**

This signature event will be held on Saturday, September 23 and engages students in career development practices through workshops, an industry networking luncheon and panel discussions. More than 500 students are expected to participate, along with more than 40 alumni, faculty and industry experts. They will share their expertise in the following topics: career development, communication, networking, professional branding, time management, financial management, leadership, creativity and innovation, industry panels, veterans and military, student-athletes and young alumni.

“This is a fantastic opportunity for students to explore career interests, learn about industry trends, build the skills that employers want and jumpstart their journey to a career that they love,” said Angela Joyner, Ph.D., executive director of the Center for Career and Talent Development.

Dr. Joyner said career center staff have made changes to this year’s conference to address students’ requests for additional workshops, such as resume writing, networking, professional branding and communication skills.

Within the Artis College, an entire schedule of events from the Department of Information Technology is available in addition to the general program offerings.

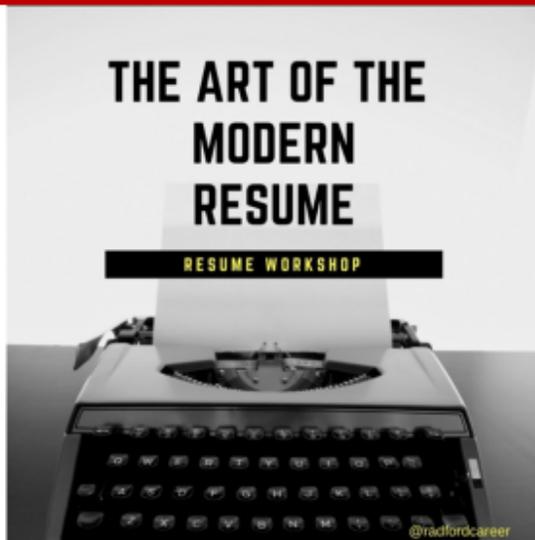
JumpStart Schedule:

Check-in	8:00am - 9:30am
Welcome—Keynote	9:30am - 10:15am
Concurrent Session I	10:30am - 11:30am
Lunch: Industry Networking Lunch	11:45am - 1:15pm
Concurrent Session II	1:30pm - 2:30pm
Concurrent Session III / Career Resources Expo	2:45pm - 3:45pm
Networking Hour/Tail Gate	3:45pm

Full details are available here: [http://www.radford.edu/content/csat/home/itec/news-events/releases/2017/september/jump\\_start.html](http://www.radford.edu/content/csat/home/itec/news-events/releases/2017/september/jump_start.html)

In addition to the JumpStart conference, students have a variety of opportunities to enhance their career potential both in person at the new offices of the Center for Career and Talent Development in Russell Hall and online using the newly launched <https://radford.joinhandshake.com>.

## THE ART OF THE MODERN RESUME WORKSHOP



Wondering where to begin?

**September 19 & 27**

**October 3, 18, & 24**

Workshop: 5:30 – 6:00 PM

Open Lab: 6:00 – 7:00 PM

Register in  [handshake](https://radford.joinhandshake.com)  
[radford.joinhandshake.com](https://radford.joinhandshake.com)  
Select “Events” and “Join Event”

**RADFORD UNIVERSITY**  
Center for Career and Talent Development

RADFORD UNIVERSITY

## PLANETARIUM BEGINS FALL SHOWS

With the return of students to campus, the Radford University Planetarium has reopened on a regular schedule following a break over the summer. Shows take place on Tuesdays and Thursdays at 4pm and 7pm and on Saturdays at 10:30am

The shows on Tuesday and Thursday feature a look at the skies above to what interesting elements are visible during the fall season, including the stars, constellations, and planets. From there, planetarium visitors virtually take off from Earth and fly around the universe, starting with our solar system and working further out perhaps including a journey to the center of the Milky Way.

On Saturday, the shows are even more family friendly and can engage the youngest potential astronomers with the presentation of "One World, One Sky: Big Bird's Adventure." Join Big Bird as he and Elmo welcome their friend Hu Zhu, a Muppet from Zhima Jie, the Chinese co-production of Sesame Street. Together, they take an imaginary trip from Sesame Street to the Moon, where they discover how different it is from Earth. But they also discover that the sky over Sesame Street is the same sky over China, just seen 12 hours later. There is also a tour of the night sky over our region as well as a visit to the planets in our solar system.



*A scene from "One World, One Sky: Big Bird's Adventure" showing in the Radford University Planetarium*

Shows in the Planetarium are free, but seating is limited. It is recommended to arrive at least 30-45 minutes prior to show times to help ensure entrance. Groups are strongly encouraged to contact the Planetarium Director Dr. Rhett Herman, [rherman@radford.edu](mailto:rherman@radford.edu). Special shows may be arranged for groups of at least 20 based on availability.

Please enter the Center for the Sciences on the Main Street Level Parking Lot C to visit the Planetarium

Hearing-assist receivers are available for our sound system--please bring your own earphones (1/16 inch [3.5mm] stereo jack). No food/drinks allowed in the planetarium

For more information please visit [www.radford.edu/planetarium](http://www.radford.edu/planetarium)