

# VIRTUAL SIU WEEK

**OCTOBER 19-23**

Students may register for as many sessions as they wish. Students who do not register before the deadline will only be able to attend sessions not at capacity. Session links will be emailed prior to the virtual event. This event is free of charge and open to all high school juniors and seniors.

\*NOTE: all times listed are Central Standard Time

## MONDAY OCTOBER 19, 2020

*Everything You Need to Know About FAFSA*

Learn how to complete FAFSA. Common questions and common mistakes will be covered. Along with time to answer questions.

10:00 AM

*Rehabilitation Services at SIU!*

Students will learn about the rewarding and fulfilling job opportunities available in community based rehabilitation programs, mental health centers, alcohol and substance abuse programs, and many more.

10:00 AM

*SIU Student Panel*

SIU Student Panel: Get the insider perspective on college life. Hear from a panel of current SIU students about their Saluki experience.

10:00 AM

*Teacher of All Trades*

Learn what it means to be an Agriculture Education teacher – teaching everything from welding, horticulture, public speaking, and even food science! Explore the option of teaching in the world of agriculture!

10:00 AM

*Using Language To Find Suspects*

This session will engage students in discussing the role of linguistics in criminal justice settings. Students will use analytic techniques to look at language patterns, and conduct their own forensic investigation. More information can be found here: <https://lama.hypotheses.org/70>

10:00 AM

<i>We See Through You: Radiologic Sciences at SIU</i>	Students will interact with Radiologic Sciences' faculty and dive deep into the various specializations offered at SIU.	10:00 AM
<i>What Do you Meme? Game About Ridiculous Topics</i>	Communication Studies prepares students for careers in public relations, human resources, social media marketing, sales, and social influence—just a few of the fastest growing careers in the U.S. Participate and vote to win prizes!	10:00 AM
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<i>Ask Me Anything</i>	SIU Admissions Coordinators will answer all of your questions about the admission process and how you can become a Saluki!	1:00 PM
<i>Mortuary Science: Facial Feature Building and Anatomy Demonstration</i>	Students will be introduced to basic anatomical structures like the heart, lungs, and brain through a demonstration session. They will also be given a virtual hands-on seminar of basic facial feature building with wax models and 3-D printed features for restorative art.	1:00 PM
<i>Origami 101 - A Dream Within a Realm</i>	School of Mathematical and Statistical Sciences: A mathematician's look at an ancient Japanese art shows its evolution from the humble crane to solar panels and heart surgery. Bring some paper as you explore the simple, yet impressive models that explore the fusion of art, engineering, and math.	1:00 PM
<i>Sustainability: Your Local to Global Actions</i>	Interactive discussion on sustainability, your favorite natural places, key environmental actions, local-to-global climate change, and more! Pre-meeting discovery: find your Carbon footprint, map community environmental justice issues, and decide personal environmental policy goals.	1:00 PM
<i>Using Language To Find Suspects</i>	This session will engage students in discussing the role of linguistics in criminal justice settings. Students will use analytic techniques to look at language patterns, and conduct their own forensic investigation. More information can be found here: <a href="https://lama.hypotheses.org/70">https://lama.hypotheses.org/70</a>	1:00 PM

<p><i>What Do you Meme? Game About Ridiculous Topics</i></p>	<p>Communication Studies prepares students for careers in public relations, human resources, social media marketing, sales, and social influence—just a few of the fastest growing careers in the U.S. Participate and vote to win prizes!</p>	<p>1:00 PM</p>
<p><i>Never Get Bored As A Speech-Language Pathologist</i></p>	<p>Students will experience the diversity of the professional opportunities as a speech-language pathologist or an audiologist. Students will get a taste of working with swallowing disorders, hearing impairment, and aspects of the professional voice.</p>	<p>5:00 PM</p>
<p><i>What Do you Meme? Game About Ridiculous Topics</i></p>	<p>Communication Studies prepares students for careers in public relations, human resources, social media marketing, sales, and social influence—just a few of the fastest growing careers in the U.S. Participate and vote to win prizes!</p>	<p>5:00 PM</p>
<p style="text-align: center;"><b>TUESDAY OCTOBER 20, 2020</b></p>		
<p><i>Ask Me Anything</i></p>	<p>SIU Admissions Coordinators will answer all of your questions about the admission process and how you can become a Saluki!</p>	<p>10:00 AM</p>
<p><i>Career Opportunities in Sport Administration</i></p>	<p>Exploring career opportunities in Sport Administration and a virtual tour of athletic department and facilities.</p>	<p>10:00 AM</p>
<p><i>Experimental Tests on Wind Turbines &amp; Solar Panels</i></p>	<p>Implementation of energy storage (battery + supercapacitor) on a lab-scale microgrid to experimentally cope with the uncertain nature of wind and solar power.</p>	<p>10:00 AM</p>
<p><i>Lear Jet Landing Gear Extension &amp; Retraction Check</i></p>	<p>Under the guidance of an experienced faculty member, participants will get an upfront look into a landing gear extension and retraction check on a Lear Jet. The demonstration will provide students a glimpse of a typical task of a licensed aircraft mechanic.</p>	<p>10:00 AM</p>

<i>Mortuary Science: Facial Feature Building and Anatomy Demonstration</i>	Students will be introduced to basic anatomical structures like the heart, lungs, and brain through a demonstration session. They will also be given a virtual hands-on seminar of basic facial feature building with wax models and 3-D printed features for restorative art.	10:00 AM
<i>Sustainability: Your Local to Global Actions</i>	Interactive discussion on sustainability, your favorite natural places, key environmental actions, local-to-global climate change, and more! Pre-meeting discovery: find your Carbon footprint, map community environmental justice issues, and decide personal environmental policy goals.	10:00 AM
<i>Take A Virtual Trip to Mars</i>	Planetary Science: Explore the Martian environment following the Curiosity rover on Mars and learn about NASA's mission and newest discoveries by using NASA OnSight software & virtual reality and meet with scientists assisting you on your virtual exploration journey.	10:00 AM
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<i>Augmented Reality and Internet-of-Things</i>	In this demo, we combine augmented reality and Internet-of-Things. By wearing the Microsoft Hololens device, we are able to interact with virtual objects and switches placed all around the room. An Internet-of-Things service will handle the user movements and activate/deactivate physical devices.	1:00 PM
<i>Becoming a Physical Therapist Assistant</i>	Students will go on a virtual tour of the Physical Therapist Assistant Lab and interact with faculty that teach in the program. Current PTA students will be heavily involved to speak about their experiences in the program and to answer any questions.	1:00 PM
<i>Everything You Need to Know About FAFSA</i>	Learn how to complete FAFSA. Common questions and common mistakes will be covered. Along with time to answer questions.	1:00 PM
<i>Molecules, Magnets, and Light</i>	Everything is made of atoms, but there are countless ways to re-arrange them! How do we identify the structures of molecules, or image the body? We will introduce techniques in the Goodson Lab (SIUC Chem. Dept.) that use light and magnets to probe molecular structure and give rise to MRI images.	1:00 PM

<i>SIU Student Panel</i>	SIU Student Panel: Get the insider perspective on college life. Hear from a panel of current SIU students about their Saluki experience.	1:00 PM
<i>Soybean Traits Improvement</i>	Soybean is sold for its oil and proteins, developing soybeans with health oils, increasing seed oil and protein contents will help the US farmers and the soybean industry to be more competitive. A successful non GMO approach will be shared with the audience and students.	1:00 PM
<i>Take A Virtual Trip to Mars</i>	Planetary Science: Explore the Martian environment following the Curiosity rover on Mars and learn about NASA's mission and newest discoveries by using NASA OnSight software & virtual reality and meet with scientists assisting you on your virtual exploration journey.	1:00 PM
<i>Why Agriculture- Q&amp;A Session with Students</i>	Join the panel discussion with the current SIU Agbassador team and learn what you can doing in an agricultural field! From crop science, to market futures, and even a conservation officer - learn of the opportunities waiting for you in agricultural sciences!	1:00 PM
<i>Interactive Forestry FPS: First-Person Perspective</i>	First-Person Perspective Search and Rescue in a Wildland Fire Scenario – experience via live stream Zoom a stabilized bodycam view and 3D live terrain map (Apple Maps with live GPS pip). You will be able to directly interact with the wildland search and rescue team of an onrushing wildfire!	5:00 PM
<i>Take A Virtual Trip to Mars</i>	Planetary Science: Explore the Martian environment following the Curiosity rover on Mars and learn about NASA's mission and newest discoveries by using NASA OnSight software & virtual reality and meet with scientists assisting you on your virtual exploration journey.	5:00 PM
<b>WEDNESDAY OCTOBER 21, 2020</b>		
<i>Data Science and the Market for Toys</i>	Explore principles of data science via a toy price data, analytic principles, and computer software.	10:00 AM

<i>Exploring Health Care Management – Make a Difference!</i>	Health Care Management is expected to grow twenty percent by 2026! Join Health Care Management faculty and explore the various ways YOU can make a difference in the lives of those around you.	10:00 AM
<i>Flying a Regional Jet Flight Simulator</i>	Aviation Flight will live stream an introductory flight lesson with one of our flight instructors in a Level 5 Flight Training Device. This lesson will provide an overview of the aircraft systems and operating principles, in addition to demonstrating the flight performance characteristics.	10:00 AM
<i>Leadership Excellence</i>	Learn how Army ROTC can help you learn about yourself, provide you an opportunity to learn leadership skills, as well scholarship opportunities. Experience a "Day in the life of a Cadet" by having the opportunity to interact one on one with current Cadets.	10:00 AM
<i>SIU Automotive - Accelerating Experiences</i>	Learn about the thrilling forward acceleration of drag racing with SIU Drag Racing Team and their car. Witness live explosive acceleration of automotive airbags and learn how that happens. Learn about braking, corning, and accelerating G-Forces experienced with SIU Autocross Racing Team.	10:00 AM
<i>SIU Physics: A virtual tour</i>	Students will learn about a wide range of research activities in the Physics department ranging from Quantum Information and Computing to Nanomaterials and Biomedical research, observe graduate students perform hands-on experiments with lasers and spectrometers.	10:00 AM
<i>SIU Robotics</i>	School of Applied Engineering and Technology: Get "up close and personal" with students from SIU Robotics. Get a behind-the-scenes look at what it takes to put together an award-winning robotics team and interact with current students to learn about their experiences and ask questions.	10:00 AM
<i>Virtual LIVE Field Trip to the SIU Farms</i>	Join the SIU Agbassador team on an LIVE virtual adventure and experience the SIU Farms including our plant and animal centers!	10:00 AM



<i>Avenues of Social work profession</i>	A short presentation of areas that social work participate in providing services to society as a way of addressing human needs.	1:00 PM
<i>Behind the Mask: A Look at Nursing</i>	Students will explore the role of the nurse by experiencing a virtual tour of the simulation lab, complete with an assessment of how we utilize manikins to train nurses to deliver care to patients in the health care setting.	1:00 PM
<i>Concretology</i>	Concrete is the most widely used material in construction. Hardened concrete is strong and can be produced to have a wide range of strengths and can be molded to practically any shape. Learn more about Civil Engineering through demonstrations in our labs and watch us break some concrete cylinders.	1:00 PM
<i>Data Science and the Market for Toys</i>	Explore principles of data science via a toy price data, analytic principles, and computer software.	1:00 PM
<i>Exploring the World of Geospatial Technologies</i>	#BigData, #GIS, #RemoteSensing, #SocialMedia, #GoogleEarth, #Drone...We will walk you through the world of very cool geospatial information technologies you can learn from Geography. Hands-on experience of mapping projects from our SIU students using Google Earth and ArcGIS Online (freely accessible)!	1:00 PM
<i>Flying a Regional Jet Flight Simulator</i>	Aviation Flight will live stream an introductory flight lesson with one of our flight instructors in a Level 5 Flight Training Device. This lesson will provide an overview of the aircraft systems and operating principles, in addition to demonstrating the flight performance characteristics.	1:00 PM
<i>Leadership Excellence</i>	Learn how Army ROTC can help you learn about yourself, provide you an opportunity to learn leadership skills, as well scholarship opportunities. Experience a "Day in the life of a Cadet" by having the opportunity to interact one on one with current Cadets.	1:00 PM

<i>Never Get Bored As A Speech-Language Pathologist</i>	Students will experience the diversity of the professional opportunities as a speech-language pathologist or an audiologist. Students will get a taste of working with swallowing disorders, hearing impairment, and aspects of the professional voice.	1:00 PM
<i>Radio/Podcast Storytelling</i>	Everyone's got a story to tell and there's more than one way to tell it. Work with creative methods on how you can tell a story using sound.	1:00 PM
<i>SI Bridges to the Baccalaureate</i>	Learn about an exciting opportunity for community college students that provides paid biomedical and behavioral science research training, academic support, and professional engagement activities. Discuss the program benefits with current and past SI Bridges scholars	1:00 PM
<i>Sport and Structured Inequality in Society</i>	Take a look into the roles sports play in contemporary society and the media that are used to present and analyze these roles.	1:00 PM
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<i>Ask Me Anything</i>	SIU Admissions Coordinators will answer all of your questions about the admission process and how you can become a Saluki!	5:00 PM
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<i>SI Bridges to the Baccalaureate</i>	Learn about an exciting opportunity for community college students that provides paid biomedical and behavioral science research training, academic support, and professional engagement activities. Discuss the program benefits with current and past SI Bridges scholars.	5:00 PM



THURSDAY OCTOBER 22, 2020

*Ask Me Anything*

SIU Admissions Coordinators will answer all of your questions about the admission process and how you can become a Saluki!

10:00 AM

*Behind the Mask: A Look at Nursing*

Students will explore the role of the nurse by experiencing a virtual tour of the simulation lab, complete with an assessment of how we utilize manikins to train nurses to deliver care to patients in the health care setting.

10:00 AM

*Everything You Need to Know About FAFSA*

Learn how to complete FAFSA. Common questions and common mistakes will be covered. Along with time to answer questions.

10:00 AM

*Scalable Web Applications with Cloud Computing*

Experience the world of cloud computing with scalable web applications through the real-time deployment of our own customized docker microservices that are capable of providing web frontends, backends, RESTful APIs, reverse proxies, and service-oriented architecture for Fortune 500 companies.

10:00 AM

*The Good, Bad, and Magnificence of Teaching*

In this interactive and engaging session, current student teachers share how the Teacher Education Program at SIU is preparing them to shape the future through teaching. Learn creative ways to turn challenges into magnificent successes.

10:00 AM

*Avenues of Social Work Profession*

A short presentation of areas that social work participate in providing services to society as a way of addressing human needs.

1:00 PM

*Becoming a Physical Therapist Assistant*

Students will go on a virtual tour of the Physical Therapist Assistant Lab and interact with faculty that teach in the program. Current PTA students will be heavily involved to speak about their experiences in the program and to answer any questions.

1:00 PM

<i>Biomechanics of Cancer</i>	Cellular functions in our body are tightly regulated by mechanical forces and physical microenvironment. Any deregulation will cause the progression of diseases like cancer. We will look into the physical basis of cancer progression which may allow us to think out of the box to fight cancer.	1:00 PM
<i>Rehabilitation Services at SIU!</i>	Students will learn about the rewarding and fulfilling job opportunities available in community based rehabilitation programs, mental health centers, alcohol and substance abuse programs, and many more.	1:00 PM
<i>SIU Automotive - Accelerating Experiences</i>	Learn about the thrilling forward acceleration of drag racing with SIU Drag Racing Team and their car. Witness live explosive acceleration of automotive airbags and learn how that happens. Learn about braking, corning, and accelerating G-Forces experienced with SIU Autocross Racing Team.	1:00 PM
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<i>Exercise Science: The Launch Pad Major</i>	Exercise Science – the launch pad to many exciting careers! Medicine, Phys. Assistant, Physical/Occupational Therapy, Cardiac/Pulmonary. Rehab, Chiropractic, Pers. Training, Corp. Fitness, & Strength/Cond. Coaching are just a few! Our showcase will highlight the many opportunities in this major!	5:00 PM
<i>Managing Millions</i>	Managing Millions: A Bloomberg demonstration of how the Saluki Student Investment Fund operates and manages a \$2.5 million portfolio.	5:00 PM

FRIDAY OCTOBER 23, 2020

*Exercise Science: The Launch Pad Major*

Exercise Science – the launch pad to many exciting careers! Medicine, Phys. Assistant, Physical/Occupational Therapy, Cardiac/Pulmonary. Rehab, Chiropractic, Pers. Training, Corp. Fitness, & Strength/Cond. Coaching are just a few! Our showcase will highlight the many opportunities in this major!

10:00 AM

*Managing Millions*

A Bloomberg demonstration of how the Saluki Student Investment Fund operates and manages a \$2.5 million portfolio.

10:00 AM

*Never Get Bored As A Speech-Language Pathologist*

Students will experience the diversity of the professional opportunities as a speech-language pathologist or an audiologist. Students will get a taste of working with swallowing disorders, hearing impairment, and aspects of the professional voice.

10:00 AM

*REC-The Ultimate 'Discovery Major!'*

Explore the options of a career you never knew existed! You'll love going to work every day in the service-oriented recreation industry. Take a virtual tour with our students and see what Recreation Professions has to offer from adaptive sports and animal-assisted therapy to rock climbing and outdoor adventures.

10:00 AM

*RU Smarter Than a Mannequin: Nutrition Edition*

Play along in this interactive game-show format highlighting the common nutrition myths addressed by the Human Nutrition and Dietetics (HND) program in the College of Health Sciences. A panel of HND students will follow to discuss the program and answer questions.

10:00 AM

*Ask Me Anything*

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1:00 PM

*Everything You Need to Know About FAFSA*

Learn how to complete FAFSA. Common questions and common mistakes will be covered. Along with time to answer questions.

1:00 PM

*Exercise Science: The Launch Pad Major*

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1:00 PM

*Fermentation*

The Fermentation Science Institute will guide you through the science and process of making fermented vegetables. While participating in a remote hands-on workshop on fermented vegetables you will have the opportunity to make your own sauerkraut while learning about the microbes that ferment ordinary agricultural crops into tasty, value-added agricultural products. You will also learn about other products that are produced by fermentation, receive a virtual tour of the laboratories and facilities of the Fermentation Science Institute and learn about one of SIU's newest degree programs in fermentation science.

1:00 PM

*Managing Millions*

A Bloomberg demonstration of how the Saluki Student Investment Fund operates and manages a \$2.5 million portfolio.

1:00 PM

*May The Force Be With You: Bio-Mechanical Sensors*

Explore cutting-edge methods for visualizing a human mechanical sensor in single cells. Learn how our human body can sense and respond to force stimulation. How does YODA play a role in this? Meet a Biomedical Engineer and Neuroscientist who fight the enemy (disease) by designing tomorrow's future.

1:00 PM

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Explore the options of a career you never knew existed! You'll love going to work every day in the service-oriented recreation industry. Take a virtual tour with our students and see what Recreation Professions has to offer from adaptive sports and animal-assisted therapy to rock climbing and outdoor adventures.

1:00 PM