



2022 SkillsUSA University Workshops

SkillsUSA University offers all registered NLSC attendees (both educators and students) a chance to learn directly from industry expert practitioners and gain field-specific skills which they can later incorporate into their classrooms with sessions for all career clusters.

Tuesday, June 21

Session	Description	Date/Time	Room	Presenter
How to Teach Self-Defense Tactics	<p>Learn the basic principles and technics of arrest and control as well as self-defense tactics. This class will also include gun takeaway and self-defense techniques for your students. This live interactive class will help instructors teach these techniques to students and will answer questions regarding setting up this lab for classroom use.</p> <p> Career cluster: Law, Public Safety, Corrections and Security</p>	Tuesday, June 21 9:30 a.m. to 11 a.m.	A316	Presenter: Tim Hart
Teaching Adobe Workflow Basics and Creating Independent Studies	<p>Want your students to be motivated to fully engage in their Adobe software skill development? Learn two new Adobe lesson plans including an introductory Coloring Book creation in Teaching Adobe Workflow Basics and an advanced independent study.</p> <p> Career cluster: Arts, A/V Technology and Communication</p>	Tuesday, June 21 9:30 a.m. to 11 a.m.	A315	Presenter: Scott Price



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<p>Engineering in a Box with Autodesk and Fusion 360</p>	<p>Learn early-stage design processes to help students produce manufacturable concepts in real world jobs. The session will focus on a start to finish workflow to design, simulate and manufacture a part capable of withstanding a given load. Participants will leave with an example and course curriculum to integrate into their classrooms.</p> <p> Career cluster: Manufacturing</p>	<p>Tuesday, June 21 9:30 a.m. to 11 a.m.</p>	<p>A314</p>	<p>Presenter: Autodesk</p>
<p>Show What You Know with Performance Tasks</p>	<p>Research has shown that career and technical student organization (CTSO) competitions integrate academic knowledge with real-world or industry skills. Join this session to explore how creating performance tasks can be used to assess academic knowledge while preparing students for CTSO competitions using real-world or industry scenarios. You will leave this session ready to create performance tasks along with several instructional strategies you can use in any classroom.</p>	<p>Tuesday, June 21 9:30 a.m. to 11 a.m.</p>	<p>A312</p>	<p>Presenter: Mandy Green</p>
<p>Achieving Excellence in Nursing Assistant Training</p>	<p>Learn how to run a smooth, efficient and productive nursing assistant skills lab and how to detect at-risk students early to provide them with proactive counseling and guidance.</p> <p> Career cluster: Health Science</p>	<p>Tuesday, June 21 9:30 a.m. to 11 a.m.</p>	<p>A313</p>	<p>Presenter: Vicky Castillo, FACETS</p>



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<p>Safety First and the Tools and Tips That Can Make It Happen</p>	<p>Learn from experts with hands-on training knowledge at NCCER and Stanley Black & Decker/DEWALT some best practices to keep a shop running efficiently and accident free. Engage in interactive activities while learning about power tool safety enhancements and innovations.</p> <p> Career cluster: Architecture and Construction</p>	<p>Tuesday, June 21 2 p.m. to 3:30 p.m.</p>	<p>A316</p>	<p>Presenter: Dan Belcher, NCCER Heidi Pratt, DEWALT</p>
<p>The New Nail Technology</p>	<p>Nail technology is an ever-changing science. In just the last 10 years there have been new technologies, reemerging technologies and increased popularity in existing technologies. This workshop will compare current applications and services that are popular in salons today, giving educators and students a better understanding of how these products can fit into their careers.</p> <p> Career cluster: Human Services</p>	<p>Tuesday, June 21 2 p.m. to 3:30 p.m.</p>	<p>A315</p>	<p>Presenter: Teresa Lewis</p>
<p>Training Students with a Welding Simulation Tool</p>	<p>Learn about the new Miller MobileArc™ welding simulation tool designed to attract and introduce students to welding through a hands-on augmented-reality experience. This portable weld simulator delivers an intuitive solution that's easy enough for students to learn independently.</p> <p> Career cluster: Manufacturing</p>	<p>Tuesday, June 21 2 p.m. to 3:30 p.m.</p>	<p>A314</p>	<p>Presenter: Steven Hidden</p>



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<p>Finding a Culinary Path that Fits You</p>	<p>The culinary industry has many job options to choose from including working in a restaurant, hotel or club. Culinarians are not often prepared to choose a segment of the industry that best fits their lifestyle, personality and desire for a work/life balance. Addressing the fit at the onset of a career is of critical importance. In this session, the presenter will help attendees identify what environments will provide the opportunities for an individual to thrive.</p> <p> Career cluster: Hospitality and Tourism</p>	<p>Tuesday, June 21 2 p.m. to 3:30 p.m.</p>	<p>A313</p>	<p>Presenter: Dina Altieri</p>
<p>Thermoplastic Roofing</p>	<p>Come and see a thermoplastic roofing demonstration with both a technical explanation of the work as well as broader industry information. Information will also be given on how to install a thermoplastic pipe flashing.</p> <p> Career cluster: Architecture and Construction</p>	<p>Tuesday, June 21 2 p.m. to 3:30 p.m.</p>	<p>A312</p>	<p>Presenter: National Roofing Contractors Association</p>



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Wednesday, June 22

Session	Description	Date/Time	Room	Presenter/Track
Building Automation Inputs and Outputs	<p>Learn about the Building Automation System (BAS) field, a system of both hardware and software, connecting HVAC systems with lighting, security and other systems to communicate on a single platform. This session will focus on using the program Tridium Workbench to show how BAS professionals use input and output devices wired into a programmable controller.</p> <p> Career cluster: Science, Technology, Engineering and Mathematics</p>	Wednesday, June 22 9:30 a.m. to 11 a.m.	A316	Presenter: Travis Criner, CBRE
Creating Engaging Computer Programming Curriculum	<p>This session will teach you how to create engaging online computer programming curriculum with Coding Rooms, a platform that enables educators to build their own teaching tools, freely design their content and bring their teaching style to life, ultimately giving learners the best experience possible</p> <p> Career cluster: Information Technology</p>	Wednesday, June 22 9:30 a.m. to 11 a.m.	A315	Presenter: Joe Mazzone, Coding Rooms



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<p>“I Am You” - Developing a Documentary Giving Voice to the Voiceless</p>	<p>“I Am You” is a documentary that takes an objective look at varying perspectives of immigration. This film looks at the immigration system from the viewpoints of a “Dreamer,” an “Angel Mom” and first-generation immigrant children. Produced by SkillsUSA Advisor Noube Rateau and students of his program, this film features Carlito Weaver, Erick Hernandez and Agnes Gibboney. Carlito is a high school counselor who details the struggles of his father’s immigration status. Erick, a former SkillsUSA member and national champion, shares his story of coming to this country as an undocumented child seeking the American dream and Agnes chronicles her tragic story of loss and her concerns about how immigration policies contributed to her grief.</p> <p> Career cluster: Arts, A/V Technology and Communication</p>	<p>Wednesday, June 22 9:30 a.m. to 11 a.m.</p>	<p>A312</p>	<p>Presenter: Noube Rateau, Noube Productions and Lynn Vocational Technical Institute</p>
<p>How to Read Blueprints and Quantity Take-off Skills</p>	<p>Industry professionals will teach an exercise on plan-reading and quantity takeoff skills and share the career-readiness skills the industry is looking for in the next generation workforce. Attendees will learn how this exercise can be used in the classroom to help prepare students studying in the skilled trades. Become familiar with how to start a National Association of Home Builders student chapter and connect with a local home builders association.</p> <p> Career cluster: Architecture and Construction</p>	<p>Wednesday, June 22 9:30 a.m. to 11 a.m.</p>	<p>A314</p>	<p>Presenter: National Association of Home Builders</p>



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<p>The Mind's Design: Simple, Science-based Strategies for Optimal Learning</p>	<p>Let's create conditions where our learners can thrive. Strategies will be shared to train attention and focus, maximize engagement, build consistency with habits and manage stress to create resiliency. We will focus on employing the latest cognitive neuroscience and positive psychology findings to create optimal learning conditions. You'll leave with actionable knowledge and strategies to build engagement and achievement that can be immediately applied to the classroom.</p> <p> Career cluster: Education and Training</p>	<p>Wednesday, June 22 9:30 a.m. to 11 a.m.</p>	<p>A313</p>	<p>Presenter: Ellen Beattie</p>
<p>AWS Skills and Resources to Succeed</p>	<p>This session will look at the survey tools and resources available through the AWS Academy that support all levels of cloud education, from high school or beginning IT courses through cloud-specialty certifications. Participants will also see how CompTIA Cloud+ provides an entry gateway to AWS certifications. Appropriate for all experience levels.</p> <p> Career cluster: Information Technology</p>	<p>Wednesday, June 22 2 p.m. to 3:30 p.m.</p>	<p>A315</p>	<p>Presenter: Jill West</p>



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<p>ASE Adopt a School Toolkit</p>	<p>Partnering with local high school and college CTE programs is a good way for employers to address recruiting and retention challenges. This session will use the ASE Adopt-A-School Toolkit to show business owners and schools how to connect with each other. The ASE Adopt-A-School toolkit answers these questions and provides simple steps to help bridge the gap between your program and local businesses.</p> <p> Career cluster: Transportation, Distribution and Logistics</p>	<p>Wednesday, June 22 2 p.m. to 3:30 p.m.</p>	<p>A314</p>	<p>Presenter: Mike Coley, ASE</p>
<p>Engaging Students with SkillsUSA Framework Essentials</p>	<p>Participants will be given the opportunity to reflect on components of childhood through literature and answer the question, “why do we do what we do?” Our adventure will take off, moving through brain development and into the areas in the classroom where students and teachers struggle today. Participants will be invited to canvas each area of the SkillsUSA Framework with a new set of lenses that boost their creativity and transform their life as an educator.</p> <p> Career cluster: Education and Training</p>	<p>Wednesday, June 22 2 p.m. to 3:30 p.m.</p>	<p>A313</p>	<p>Presenter: Nikki Gerner, Dinuba High School</p>
<p>The New Face of Transportation</p>	<p>The session will focus on electrical troubleshooting and discuss methods and tools that will help us locate and correct faults in the systems. We'll also discuss software expertise and using Detroit Diesel Diagnostic Link (DDDL) to navigate a log file to diagnose and repair powertrain related problems.</p> <p> Career cluster: Transportation, Distribution and Logistics</p>	<p>Wednesday, June 22 2 p.m. to 3:30 p.m.</p>	<p>A312</p>	<p>Presenter: Derek Walker</p>



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<p>Micro-Credentials and Résumé Builder: Resources You Can Use!</p>	<p>Learn how to prepare students for the workplace by using the National Occupational Competency Testing Institute (NOCTI) Résumé Builder to build a résumé using NOCTI competencies and give students access to micro-credential content that may help on the job and enhance your program!</p> <p> Career cluster: Business Management and Administration</p>	<p>Wednesday, June 22 2 p.m. to 3:30 p.m.</p>	<p>A316</p>	<p>Presenter: NOCTI</p>
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Thursday, June 23

Session	Description	Date/Time	Room	Presenter/Track
<p>Current and Conductors</p>	<p>The session will focus on practical physics and how to examine the effect of different insulating and conducting components in a circuit. The current passing through different material can be indicated by the lamps brightness and measured with an ammeter for a quantitative investigation.</p> <p> Career cluster: Science, Technology, Engineering and Mathematics</p>	<p>Thursday, June 23 9:30 a.m. to 11 a.m.</p>	<p>A313</p>	<p>Presenter: Ross Rector, Central Arizona College, and Wilson Electric</p>



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<p>Seal Like a Pro: Your Best Bead. Presented by GE Sealants</p>	<p>With new formulas, chemistries and capabilities, sealants are constantly evolving. Choosing the right sealant for a job is difficult, even for seasoned contractors, and the wrong choice can result in expensive damage and callbacks. In this seminar, we offer foundational knowledge of the 5 basic sealant technologies and demonstrate proper tool and application techniques. While skilled labor is in high demand, learning these skills will give any aspiring tradesperson a leg up in their field.</p> <p> Career cluster: Architecture and Construction</p>	<p>Thursday, June 23 9:30 a.m. to 11 a.m.</p>	<p>A315</p>	<p>Presenter: John DeGirolamo, Henkel Corporation</p>
<p>Energy Infrastructure Academy</p>	<p>Learn the skills necessary to work in the natural gas construction industry successfully and safely. Topics covered will be proper digging techniques, fusing poly-pipe using fusion equipment, various pipe types and fittings, pressure testing, pipe squeezing and general safety when working around natural gas.</p> <p> Career cluster: Architecture and Construction</p>	<p>Thursday, June 23 2 p.m. to 3:30 p.m.</p>	<p>A316</p>	<p>Presenter: Ray Harris, Centuri Group</p>



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<p>Menu Creativity, Plate Presentation and Modern Culinary Techniques</p>	<p>Brief discussion of what a modern chef is today followed by a culinary challenge between two ACF Atlanta chefs.</p> <p> Career cluster: Hospitality and Tourism</p>	<p>Thursday, June 23 2 p.m. to 3:30 p.m.</p>	<p>A314</p>	<p>Presenter: Chef Nick Barrington</p>
<p>Performing An Autopsy</p>	<p>Learn the steps to performing a forensic autopsy and ways to differentiate the methods of medicolegal death investigations. The session will include how to properly process and perform death investigations.</p> <p> Career cluster: Law, Public Safety, Corrections and Security</p>	<p>Thursday, June 23 2 p.m. to 3:30 p.m.</p>	<p>A313</p>	<p>Presenter: Linnell Burton</p>
<p>Hair: The True Growth Industry</p>	<p>Attend this hands-on demo to see a haircut and learn the value of knowledge for students as you gain knowledge on maintaining a successful business relationship, managing a growing clientele and they keys to landing a job to be proud of. This will be an energetic session with audience participation so be prepared to learn and be involved!</p> <p> Career cluster: Human Services</p>	<p>Thursday, June 23 2 p.m. to 3:30 p.m.</p>	<p>A312</p>	<p>Presenter: Uncle Classic Barbershop</p>