



NC3 LEADERSHIP SUMMIT | BREAKOUT SESSIONS

PRE-REGISTRATION IS REQUIRED FOR THESE BREAKOUT SESSIONS; 1 TOPIC PER SESSION.

The concurrent breakout sessions listed below will be held from 1:15 pm - 4:00 pm CT on Thursday, July 21 (Day 2 of the 2022 NC3 Annual Leadership Summit). On the last page of this PDF, you can view a full overview of the session tracks, topics, and times.

TRACKS: There are four different types of topic tracks.

- EXCEL: in CTE Programming
- EXPAND: Partnerships
- EVOLVE: Industry Insights and Emerging Technologies
- ENDURE: Professional Development and Resiliency in a Rapidly-Changing World

Please note: Any breakout session topic with less than 15 registrants is subject to cancellation. In the case of a cancellation, registrants will be notified by email and will be given the option to choose another topic to attend.

SESSION TOPICS & DESCRIPTIONS | LISTED BY TRACK

EXCEL in CTE Programming

**Lumina Project Showcase: Building the Culture and Framework of a Center of Excellence
AT CAPACITY, REGISTRATION CLOSED**

Session #1 from 1:15 pm - 2:00 pm CT

- Lumina Foundation and NC3 have collaborated on a project to expand the NC3 Centers of Excellence vision. The project supports Lumina's goal of ensuring equity and access to populations of color populations by providing high-quality training for instructors and awarding quality, industry-recognized credentials. Hear participating institutions, Pima Community College,

Lawson State Community College, and Gateway Technical College, share their project findings, and discuss best practices on how to create an NC3 Center of Excellence. During this session, you will learn how you can utilize the NC3 model to enhance equity, access, and quality through industry-recognized certifications and professional development.

Student Successes and Education Transformations: Implementation Case Studies

Session #2 from 2:15 - 3:00 pm CT

- The NC3 Membership Network is made of secondary and post-secondary education innovators who are driving career and technical education forward. Today more than ever, educators need to learn how to adapt and change while still meeting education and workforce demands. There isn't exactly a roadmap for this, but the NC3 Network thrives on peer-to-peer learning; you don't have to recreate the wheel! This session will feature implementation best practices from NC3 Leadership School members that have created educational transformations in their organizations and used industry-recognized certifications, professional development opportunities, and industry partnerships to build their programs while also supporting their students, their local economy, and their local industries.

CTE Fundamentals: How to Optimize and Scale Certifications Across Numerous Programs

AT CAPACITY, REGISTRATION CLOSED

Session #3 from 3:15 - 4:00 pm CT

- Access and equity are essential to NC3's mission. In order to build a workforce prepared for today's and tomorrow's industries, all students need to have access to industry-recognized certifications and competency-based curricula. Several of NC3's certifications, known as "CTE Fundamentals" or "Certifications for All" (Safety, Data Analytics, Fundamentals of Electricity, Torque, Precision Measuring, and Multimeter) are building blocks that provide fundamental skilled trade competencies to various programs. Learn how you can optimize NC3 certifications your school may already be issuing by implementing these key certifications across numerous programs, which will drive your equity and accessibility goals.

EXPAND Partnerships

Developing Local Industry Partnerships Through NC3 Certifications

AT CAPACITY, REGISTRATION CLOSED

Session #1 from 1:15 pm - 2:00 pm CT

- Gaining local industry support and recognition of NC3 certifications as well as competencies is essential to grow and scale your school's certification implementation. During this session, you will hear from several local industry leaders on how you can best engage your local industry, advisory boards, and community while confidently sharing the value of NC3 certifications, so you can grow your programs and your industry partnerships simultaneously.

How To Create Effective Global Industry Partnerships

Session #2 from 2:15 - 3:00 pm CT

- Hear from several of NC3's global industry partners about how to create effective industry partnerships across your programs. Speakers will discuss industry's perspective on the changing dynamics of the workplace/workforce, how industry is responding to the changes as well as thoughts on solutions, how industry is recruiting, hiring and training employees, and how industry is engaging with the career and technical education system. During this session, you will learn

how you can adapt your programs to meet industry needs!

Growing High School Partnerships: Recruitment, Dual Enrollment, and NC3 National Signing Day AT CAPACITY, REGISTRATION CLOSED

Session #3 from 3:15 - 4:00 pm CT

- Tomorrow's workforce is already in elementary school; early career exploration, dual enrollment, and recruitment to CTE programs are key to creating strong secondary and post-secondary skilled trade programs. Hear NC3 peers discuss their first-hand experiences and best practices related to strategies that create unique recruitment opportunities and boost enrollment. During this session, you will also learn how to build strong secondary & post-secondary partnerships in CTE.

Copeland: Preparing for the Industry's Toughest Challenges

Session #1 from 1:15 pm - 2:00 pm CT

New NC3 Partnership

- From the food we enjoy every day to the comforts of our homes, Copeland compressors live at the heart of the HVAC and refrigeration systems that homeowners, businesses, and commercial industries have depended on for almost 100 years now. The industry is experiencing new technology opportunities from compressor efficiency to maintenance and sustainability, which is creating a high demand for certified technicians. Learn how this everyday technology affects our daily lives and how education can play a role in developing tomorrow's technicians in this growing industry.

RIDGID's Proud History is Built on the Trust of the Trades: Pipe Joining Technology

Session #2 from 2:15 - 3:00 pm CT

New NC3 Partnership

- Skilled tradespeople have a huge impact on our daily lives. Since the day RIDGID invented the modern pipe wrench, they have made it their mission to build for the world's expert tradespeople - those who know the limits of the job and how to exceed them. Learn how the RIDGID Pipe Joining certifications address critical workplace needs, understand the real-world applications for your students and local industry/business, and experience some of the hands-on skills yourself during this session!

Thermo King: Sustainable Transport Temperature-Control Solutions for the Workforce

Session #3 from 3:15 - 4:00 pm CT

New NC3 Partnership

- As the inventor of the transport refrigeration unit, Thermo King's mission for over 80 years has been to provide sustainable transport temperature-control solutions. From fresh food transport to vaccine distribution, temperature-controlled vehicles allow our country to access every day needs and resources on a daily basis. During this session, you will hear one of NC3's newest industry partners, Thermo King, and subject-matter experts discuss the importance of the "cold" chain in today's supply chain climate, why the need for technicians is more important than ever, and how industry-recognized certifications will help grow the nation's technician gap.

EVOLVE: Industry Insights and Emerging Technologies

Energy & Building Trades: Meeting the Needs of Tomorrow's Infrastructure

Session #1 from 1:15 pm - 2:00 pm CT

- During this breakout session, NC3's Global Industry Partners and subject-matter experts will discuss the strategic value of developing and transforming your school's energy, electrical, and building trades programs to meet the needs of tomorrow's rapidly growing infrastructure needs. You will hear how schools are utilizing hands-on and real world applications in the classroom to engage students to enter this pathway, various ways to drive opportunities towards the ever-growing energy and building trades industries, and how you can develop partnerships in your community with local businesses.

Mechatronics, Automation, and Industry 4.0: Determining What's Best for Your Community **AT CAPACITY, REGISTRATION CLOSED**

Session #2 from 2:15 - 3:00 pm CT

- Manufacturing, industrial maintenance, and mechatronics are some of the fastest growing CTE programs in the country, and jobs within these fields are in the highest demand in the United States economy. During this session, you will hear subject-matter experts discuss how to build or transform your current programs to customize and meet the needs of your local industry through competency-based curricula, tomorrow's technologies, and the development of apprenticeship programs.

Bridging Education Partnerships Through STEAM Education

Session #3 from 3:15 - 4:00 pm CT

- STEAM programming is often overlooked as a local partnership resource, a recruitment resource, and a pathway to CTE careers, but STEAM education encourages creative, hands-on, project-based learning! It's also a valuable resource that has the potential to engage students early on with career exploration and can be used to develop a pathway to CTE. During this session, you will hear subject-matter experts discuss ways to establish successful education MakerSpace partnerships, embed hands-on learning and certifications into already existing programs, and discuss early student intervention. During this session, we will also explore how to engage your community through STEAM programs.

Today and Tomorrow: The Future of Mobility

Session #1 from 1:15 pm - 2:00 pm CT

- The future of mobility is quickly adapting and changing to meet the economic, environmental and industrial changes of the world around us. During this session, you will hear industry experts and education leaders discuss how institutions can adapt and plan for the future of mobility as well as transportation needs. This session will focus on where the industry is going, what the future of transportation education will look like, and how schools can transition and plan for future program development.

The Fundamental Value of IT: iOS and Data Analytics

Session #2 from 2:15 - 3:00 pm CT

- Critical thinking skills including problem solving, teamwork, design, and creativity are essential skill sets for not only developers but also for every career path. Today, software, code, and data analytics are woven into nearly every industry! The prevalence of data and the power of current software tools have created the greatest opportunity to leverage technology and also to advance our workforce. During this session, you will hear subject-matter experts share how NC3's new certification programs can impact students across numerous programs by helping students build fundamental, critical thinking skills through the application of real-world iOS coding and data analytics.

Investing in DEI

Session #3 from 3:15 - 4:00 pm CT

- Addressing equity in the classroom and workforce is essential. During this session, NC3 will discuss important DEI initiatives, programs and opportunities within the NC3 Network. We will also discuss the spirit of DEI and how it sets the table for everything schools should be doing to support student success and instructor development. We hope you'll join us for this fun and interactive breakout session!

ENDURE: Professional Development and Resiliency in a Rapidly-Changing World

Using Certifications to Support the Classroom: An Instructor's Professional Development Perspective

Session #1 from 1:15 pm - 2:00 pm CT

- NC3's Train-the-Trainer events and certifications are built by educators and industry experts to help teachers become more effective and efficient in the classroom through the implementation and issuance of stackable and portable industry-recognized certifications. While NC3 certifications are created to develop highly-skilled, job-ready professionals, at our core NC3 knows that instructor professional development is the first step in creating strong, job-ready students and employees. During this session, NC3 Master Instructors will discuss how NC3's Train-the-Trainer events, certifications, and resources can/should be used at your school to help teachers become more effective and efficient in the classroom. You will hear examples of how technology can be utilized in classrooms, how you can align NC3 with your school's current curricula, and how you can best support your instructors' professional development goals to enhance their impact in the classroom.

NC3 Professional Development: Recruiting and Developing Master Instructors

Session #2 from 2:15 - 3:00 pm CT

- An NC3 Master Instructor is the lead instructor in a specific NC3 certification program who teaches fellow NC3 instructors at Train-the-Trainer events and supports new certification and curriculum development. Do you have an extraordinary instructor at your institution who you think should get involved in NC3's Master Instructor program, but do you not know how to support them? During this session, you will hear from fellow NC3 Leadership School administrators on their experience supporting instructors who have become NC3 Master Instructors, how having NC3 Master Instructors on their team brings value to their institution, and how you can encourage your instructors to take advantage of this professional development opportunity.

President's Corner: A Discussion Workshop

AT CAPACITY, REGISTRATION CLOSED

Session #3 from 3:15 - 4:00 pm CT

- *A new type of breakout session!* As a leader of your organization you've had to make substantial adaptations and pivots during the last two years. The NC3 Board of Directors understands how challenging being a leader is during these uncertain times and they recognize that peer-to-peer learning is key. This workshop is designed to bring administrators together to discuss, collaborate, and share ideas about successes or challenges you're facing in regards to CTE programming, funding, instructor development, partnerships, and so much more! This breakout session is open to presidents, chancellors, superintendents, and principals.

Rapid Training: Adapting Education to Fit Student & Community Needs

Session #1 from 1:15 pm - 2:00 pm CT

- With the increase of jobs, there's always a decline in enrollment at educational institutions; however, skilled employees are still in high demand. How do we still train students for high-skill, high-demand careers if they aren't enrolling in technical education programs? During this session, you will hear several NC3 Leadership Schools discuss how they have adjusted their "Fast Track" or workforce development short-term training programs to meet the needs of their students and their local industries.

Meeting Students Where They're At: Hybrid Learning

Session #2 from 2:15 - 3:00 pm CT

- At first "Hybrid Learning" was a survival tool, but now it has become a critical classroom tool that's here to stay. Utilizing this adaptive and effective teaching format has proven to engage and reach more students, and the hidden benefits of hybrid learning are that industry and education have been able to change the way they can reach collaborators, clients, and teams. A great example of this is the NC3 Virtual Train-the-Trainer model, which is successfully training and certifying instructors and helping our instructor network utilize technology to certify more students. Today more than ever, institutions should be modifying their classrooms to reach students in all forms and in all areas of life. During this session, you will learn best practices from the NC3 Network to adapt your school's hybrid learning model to best fit the needs of your students and your community.

SESSION TRACKS, TOPICS, AND TIMELINE

ROOMS & TRACKS	SESSION 1 1:15 PM - 2:00 PM CT	SESSION 2 2:15 PM - 3:00 PM CT	SESSION 3 3:15 PM - 4:00 PM CT
Room 1 - "EXCEL"	Lumina Project Showcase: Building the Culture and Framework of a Center of Excellence AT CAPACITY, REGISTRATION CLOSED	Student Successes and Education Transformations: Implementation Case Studies	CTE Fundamentals: How to Optimize and Scale Certifications Across Numerous Programs AT CAPACITY, REGISTRATION CLOSED
Room 2 - "EXPAND"	Developing Local Industry Partnerships Through NC3 Certifications AT CAPACITY, REGISTRATION CLOSED	How to Create Effective Global Industry Partnerships	Growing High School Partnerships: Recruitment, Dual Enrollment, and NC3 National Signing Day AT CAPACITY, REGISTRATION CLOSED
Room 3 "EXPAND"	Copeland : Preparing for the Industry's Toughest Challenges	RIDGID 's Proud History is Built on the Trust of the Trades: Pipe Joining Technology	Thermo King : Sustainable Transport Temperature-Control Solutions for the Workforce
Room 4 - "EVOLVE"	Energy & Building Trades: Meeting the Needs of Tomorrow's Infrastructure	Mechatronics, Automation, and Industry 4.0: Determining What's Best for Your Community AT CAPACITY, REGISTRATION CLOSED	Bridging Education Partnerships Through STEAM Education
Room 5 - "EVOLVE"	Today and Tomorrow: The Future of Mobility	The Fundamental Value of IT: iOS and Data Analytics	Investing in DEI
Room 6- "ENDURE"	Using Certifications to Support the Classroom: An Instructor Professional Development Perspective	NC3 Professional Development: Recruiting and Developing Master Instructors	President's Corner: A Discussion Workshop AT CAPACITY, REGISTRATION CLOSED
Room 7 "ENDURE"	Rapid Training: Adapting Education to Fit Student & Community Needs	Meeting Students Where They're At: Hybrid Learning	