

ANNOUNCEMENT



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To: Prospective Attendees of the NCAT
Technology Short Course

From: Tom Clayton, SET
Director of Training and Member Services
Colorado Asphalt Pavement Association

Date: April 18, 2024

Subject: Asphalt Technology Scholarship



Attached is the announcement and requirements for applying for the Colorado Chapter APWA/Colorado Asphalt Pavement Association Asphalt Technology Scholarships. Recipients of these scholarships will have the opportunity to attend the "Short Course in Asphalt Technology" taught at the National Center for Asphalt Technology (NCAT) at Auburn University, Auburn, Alabama. This one-week course will provide a general understanding of all phases of HMA technology. If you or someone else in your organization is interested in applying for the scholarship, please follow the instructions that have been attached and return the letter of interest along with endorsements as instructed. Submittal deadline of the letter of interest for the scholarship is **November 27, 2024**.

The Short Course in Asphalt Technology will be held the week of **February 24 to February 28, 2025. (Tentative)**

Recipients of the scholarships will be notified on or before the 4th of December. If you have applied for a Scholarship we suggest you plan on attending the luncheon, if possible, to announce the awards on December 6, 2024 as part of the CAPA all members meeting.

If you are not interested in applying for the scholarship, please pass this announcement along to someone who might be.

Thank you for your interest.


Tom Clayton, SET
Director of Training
And Member Services



2025 ASPHALT TECHNOLOGY SCHOLARSHIP PROGRAM

CAPA/Colorado Chapter APWA/National Center for Asphalt Technology

Background: The Colorado Chapter of the American Public Works Association and the Colorado Asphalt Pavement Association (CAPA) established a scholarship program to expand on the asphalt education opportunities persons who are involved in the design, testing quality control, production, management, supervision, or direction of capital and maintenance projects. Funding has been obtained through both organizations to support asphalt pavement related training and educational opportunities for personnel employed by public work agencies in Colorado, contractors and consultants.

Program: The primary training opportunity that is being presented is the "[Short Course in Asphalt Technology](#)" taught at the National Center for Asphalt Technology (NCAT) at Auburn University, Auburn, Alabama. The purpose of this one-week intensive course is to provide a general understanding of all phases of HMA technology. Upon completion, the participant will be able to make knowledgeable decisions related to HMA pavements and communicate effectively with asphalt specialists and contractors when the need arises. The course will be held the week of February 24, 2025.

For more information, contact NCAT at (334) 844-6241 or by visiting their web site at: <http://eng.auburn.edu/research/centers/ncat/education/training/industry/index.html>

To apply: To apply for the APWA/CAPA Asphalt Technology Scholarship, complete the attached letter of interest along with a letter of endorsement/recommendation from an agency official and/or supervisor from your organization as well as concurrence from an industry representative to the address as shown below. Those individuals awarded the scholarship and accepted into the program will then be enrolled in the Short Course by CAPA. For more information, contact Tom Clayton at (303) 741-6150 X 151 (tomclayton@co-asphalt.com)

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Costs: Each attendee is responsible for all travel costs (room, airline, rental car, etc.), although the scholarship funding stipend provided will help to minimize the expenses for individual attendees. Tuition expenses are covered and paid for by CAPA through the APWA/CAPA Scholarship.

Who should apply: City and County Engineers, Pavement Program Managers, Road & Bridge Supervisors, Public Works Directors, Consultants and Contractors. Selections will be made cooperatively by a joint APWA/CAPA Committee and will be based on the letter of interest/recommendation and position applicability. APWA and CAPA membership in good standing is required. The scholarships will typically not be awarded to an agency or company in two consecutive years.

**Applications are due no later than November 27, 2024.
Persons selected will be notified on or about December 4th**

Comments from previous NCAT Program Attendees

Travis Cole, Deputy Road Supervisor, Mesa County Colorado.

I had the pleasure to participate in the 2024 NCAT - Asphalt Technology Course in Auburn, Alabama and all the thanks goes to CAPA. I thought that I knew a fair amount about Asphalt and then I took this course with NCAT. This series of classes that are offered in this course were very informative and eye opening to all the different Asphalt mix designs and what it takes to test each mix and what causes different distresses in the different design mixes. I am very amazed with all of the knowledge that each of the presenters during the class had to offer. This class was only a week long and it is a week packed full of information, if there was one thing that I wish was a little different that would be possibly the class be a little longer to help absorb all the information given.

I want to thank you and CAPA for giving me the opportunity to attend the NCAT Asphalt Technology Course at Auburn, Alabama. This program was so helpful and very educational as well as eye opening in many cases, the knowledge each instructor has is incredible on how passionate they're within the asphalt industry and how much effort they put into their work, it's amazing. I wish I had more time out there to gain more knowledge from the instructors themselves and the course, it has a lot of helpful information in one week to take on. Being both in class and on site were very helpful especially when visiting Lee Road and the NCAT test track where you can visually see and feel how the road looks within the different materials used and scenarios they do, which is very awesome on how well maintained the asphalt keeps up a work of art. This program is one of the best I've been to and the knowledge I gained from it will help me with asphalt to get the best product available for our streets. It's incredible how many industries all over the United States yet the country reach out to them for answers and help, this is such a well-respected institution it was honor being able to attend. Thank you again for letting me attend this program. I will highly recommend to my peers and others to apply to be able to get this information under their belt. **Jason Sanchez - PW Construction Inspector**

The program covers a tremendous amount of material in four and a half days. Participants are given an overview of pavement technology, beginning with the first AASHO (later AASHTO) test track in 1958, through the advent of Superpave technology in the 1990s, to current research and development of Balanced Mix Designs (BMD). I found the BMD lectures fascinating; unlike volumetric pavement design, these mixes are entirely performance-based. The researchers are experimenting with novel binders, polymers, and aggregates that will lead to the production of next-generation pavements. These mixes are expected to ultimately replace Superpave design.

I was impressed with the performance of the pavement preservation technologies. There are sections of pavement on the test road that are twenty-three years old and look as though they could have been placed last season. I was interested to learn that the test track sections are constructed to mimic the conditions on the ground in each of the sponsor states. Some sections even required importing soils when similar soils could not be sourced locally.

Every member of the research team displayed a deep knowledge of, and passion for, their work. Besides being incredibly talented, they were extremely personable and approachable. We were encouraged throughout the course to reach out if we had or should have any questions or comments. I'm confident I've made solid professional contacts and perhaps a friend or two as well. Participation in this course has been well worth the time, and I would encourage anyone in the industry to attend! **Zachary Nover, Materials Testing Lab, City of Aurora | Public Works**

1st, again I would like to thank you for giving me the opportunity to attend and revel in the beauty that is Alabama, as I had never been down to the deep south before. The people were amazing and very friendly.

2nd, the folks at NCAT were so informative and generally enthusiastic about the job they were doing. I was so impressed with the knowledge of everyone that I couldn't possibly begin to understand the magnitude of which goes into generating Asphalt and its many components. I discovered the term "Binder", which of course is what we call "oil". Another term that I became familiar with at NCAT, was RAP. I knew we here at Jefferson County reused most of recycled asphalt and referred it as "millings", but to be honest I never knew RAP is recycled asphalt with binder that can come to be reused back on our roads, as in some cases up to 20% of RAP is being used on our roads today that we are paving. I thought it was interesting to see the difference between RAP and Virgin mixtures.

Tom, I could go on and on about my time down at NCAT, and all I have learned, but I wanted to give high praise to the people who stood out to me the most, including Chen Chen, who said he is hopefully going to have a new mix design ready sometime in the next year. Grant Julian was very informative, as was Jason Moore and Nathan Moore. Our time with Jason Nelson at the test track and finding out the history and the cost of what all goes into that was mind boggling. Adriana Vargas was so helpful, and I enjoyed her showing us the road with the history it has of all the different materials on it.

In general Tom, the time and knowledge that I gained from going to NCAT is more valuable than I could have ever imagined, and I know that I will be better at my job today than I was before, so THANK YOU SOOO MUCH. **Tony Pennell Jr.**

Engineering Inspector, Jefferson County, Colorado

2025 ASPHALT TECHNOLOGY SCHOLARSHIP PROGRAM Application/Letter of Interest

CAPA/ Colorado Chapter APWA/NCAT



Applicant:

Organization:

Address:

Address2:

City:

State:

Zip Code:

A letter of interest must be completed and submitted along with this form. The letter from the applicant should list specific reasons they are seeking the scholarship.

The applicant is required to obtain at least one letter of recommendation must be completed by an agency supervisor/official or industry supervisor. It will be in the best interest of the applicant to have more than one letter and have letters from both an agency personnel and a contractor familiar with the applicant.

The letter(s) of recommendation must include the name and title of the person making the recommendation.

Important Dates:

Application Dead line is Wednesday November 27, 2024

CAPA New Member Luncheon, December 6, 2024

Technology Course Date (TENTATIVE): February 24 to February 28, 2025