



DIRECT Summer Update 2024
Division of College and Career Readiness
Office of Career and Technical Education & Student Transition
Services
Health Science Education Associate
Angel Clark, MSN, RN



#FUTUREREADYCTE

CTE CONCENTRATOR

CTE Concentrator is a student who has completed **at least** 2 courses in a single career and technical education program or program of study.

Note: Concentrators courses are bolded and designated by an asterisk (*) under course requirements in the Student Reporting Guide.

Concentrators are required as part of Perkins funding and is federal terminology.



Health Science Cluster CONCENTRATOR

Required courses for each pathway to be a concentrator

- EMS Path – EMS 1 & EMS 2
- Health Science Path – HS 1 & HS 2
- PLTW Biomedical Science Path PBS & HBS
- Sports Medicine Path - SM 1 & SM 2
- Public Health – Foundations & Advanced Principles

Concentrator courses are listed for each pathway in the SRPG

[CTE Data Collection and Reporting - Student Reporting Procedures Guide](#)



Health Science Cluster COMPLETER

Completer is state terminology.

A completer is necessary in the state to be able to take specific courses, certifications, or advance to college and career ready.



Health Science Cluster COMPLETER

3-unit/course completers

- Must be a concentrator in one of the Health Science Pathways
- Must complete one other specific course tied to a 3-unit completer path.

4- unit completers

- Must be a concentrator in the one of the Health Science pathways.
- Must meet the 4 -unit credit by adding two more units if needed from any course in the Health Science cluster that the student is ***eligible for or has met the pre-requisites to take***



Health Science COMPLETER

3-Unit/Course Completers

Example Sports Medicine

The 3rd level in that pathway, ie: SM 1, SM 2, **SM 3**

Or a choice of specific courses:

For all pathways in the Health Science Cluster: Medical Terminology, Human Structure Function & Disease (HS3), PLTW-HBS, AHS 102, AHS 104 count as the 3rd unit, or FACS – Sports Nutrition in a 3 -unit completer path.



Sample 3 unit Completer Pathways:

Health Science:

1. HS1, HS2, HS3 (or Med Term)(or Intro to Vet Science) etc.
2. HS1, HS2, Science A& P and HS Clinical Studies

Sports Medicine:

1. SM1, SM2, Med Term (or SM 3 or HS3)

PLTW – BMS

1. PBS, HBS, MI
2. PBS, HBS, Med Term

EMS

1. EMS1, EMS2, Med Term (or HS 3)

Public Health

1. HS 1, PH Foundations, PH Advanced Principles



HEALTH SCIENCE Cluster

Students can be dual concentrators and dual completers if the criteria for each pathway is met.

Is it okay to share med term or another 3rd unit if they are applicable to each pathway?

Example

SM 1, SM 2, HS1, HS 2, Med Term = Dual Completer

The shared course must be aligned and accepted in each pathway.



INDUSTRY CREDENTIALS

Where do we find approved credentials?

Two places:

1. Student Reporting Procedures Guide (SRPG)
2. Career and Technology Program Page

Have a credential/certification that you would like to see added?

Submit the form below.

[Industry Certification Form \(sc.gov\)](#)



South Carolina's Proposed Tiering Language

Tier 1—Introductory

1. The credential measures **basic skills**.
2. The credential is **recognized by local/regional industries**.
3. The **credential can be obtained in the early stages** (first or second course) of a program of study.

Tier 2—Intermediate

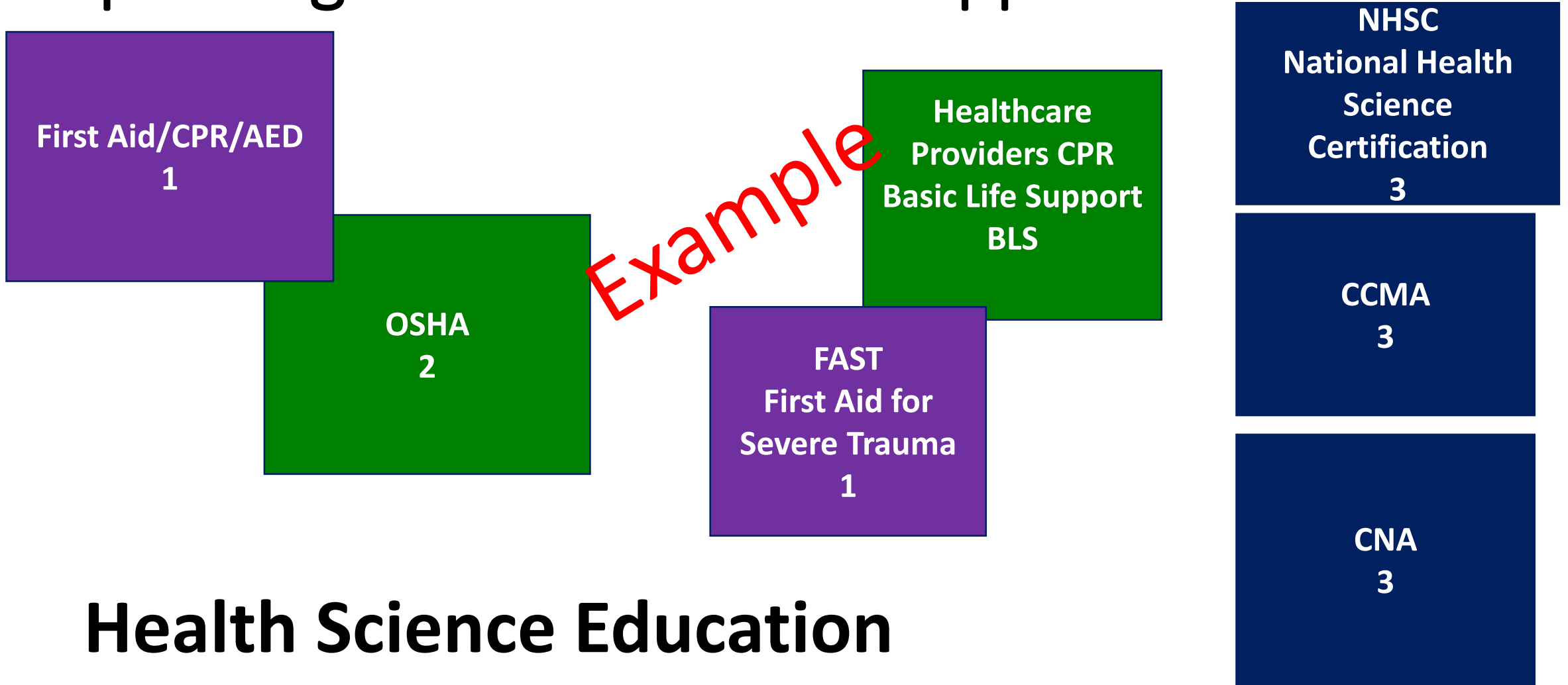
1. The credential is **aligned with industry-recognized standards**.
2. The credential is **endorsed by a national industry or trade association or a major employer in the state**.
3. The credential holder is given **job consideration**.
4. The **credential leads to improved social outcomes** such as improved health and well-being.

Tier 3—Career Ready

1. There is transparent evidence the competencies held by the credential holder **align with the anticipated job opportunities**.
2. The credential **is required for employment or advanced training**.
3. The outcomes for credential holders are **wage gains, promotion, or retention supporting a family-sustaining wage for South Carolina**.
4. The **credential leads to additional education and training**. (Stackable)
5. The credential is granted to those that **complete a training program and related assessments are administered by a third party** with no connection to the test-taker.



Expanding Career Readiness Opportunities



Health Science Education



Expanding Career Readiness Opportunities

Healthcare
Providers CPR
Basic Life Support
BLS
1

First Responder
2

Example

FAST
First Aid for
Severe Trauma
1

Healthcare
Providers CPR
Basic Life Support
BLS

NHSC
National Health
Science
Certification
3

EMT
3

EKG Technician
3

Emergency Medical Systems



□ National Health Science Certificate (NHSC)

- Offered by National Health Science Consortium (NCHSE) via You Science.
- 1874 students took the exam for the 23-24 school year
- 59% pass rate (1100 students) and average test score 70
- Currently the cost for the post exam is covered via the Career Cluster Partnership Grant (CCPG) between SCDE Health Science/HOSA and the SC Hospital Association (SCHA) (\$15)
- We only cover the exam one time per student completer.
- Any other attempts on the exam will be billed to the school, unless your school has a testing contract with YouScience.

Who should take the NHSC post- assessment?

- Students who are more successful and best suited to take the exam, are completers in the health science pathway. (HS 1, HS 2, HS 3 or Med Term, and/or HS Clinical Study)
- ALL paths such as EMS, Biomedical Science, Public Health and Sports Medicine are also eligible to take the assessment as well once they are completers in their program area.



Dual Credit Courses

All links are being updated and are not currently live

When all links become live you can find them here:

[CATE Programs - South Carolina Department of Education](#)

Dual Credit for CTE Completer Status

- 2024-25 Dual Credit Guidelines for CTE Completer Status
- Dual Credit Checklist and Application
- Dual Credit for CTE Completer Status Frequently Asked Questions
- [SCDE Course Code Database](#)



Nurse Aide Information

Who should you hire?

Primary Instructor (RN) experience- must possess a minimum of two (2) years RN nursing experience, to include at least one (1) year in the provision in long term care nursing services. This is the only instructor that you will need to submit the following information:

- Current Sled report <5 years
 - resume experience
 - RN license #

Supplemental instructors working under the Primary Instructor (RN) must be a licensed RN or LPN and have at least one (1) year of experience in caring for the elderly or chronically ill of any age.

SC nurse aide website: <https://credentia.com/test-takers/sc>

SC nurse aide registry search: <https://cna365.examroom.ai/registry/?StateCode=SC>

If you have any additional questions, feel free to contact SCDHHS email at SCNAR@scdhhs.gov

Vaccinations – COVID, FLU, etc. – Requirements are up to the clinical site.



General Inquiries for Nurse Aide Programs

For all inquiries about nurse aide certification please contact
SC Department of Health and Human Services

Division of Long -Term Living, 7th Floor

PO Box 8206

Columbia, SC 29202

Phone: 803-898-2590

Fax: 803-255-8290

Email: scnar@scdhhs.gov



Alternate Industry Certifications in addition to Nurse Aide

Check the student reporting guide as well as the list contained within the Clinical Study Course.

1. PCT or Patient Care Technician includes nursing assistant skills as well as other skills.
2. CCMA or Certified Clinical Medical Assistant a lot of hands- on patient clinical skills.
3. Pharmacy Technician – Pharmacy for Medical Careers
4. EKG Technician
5. Phlebotomy
6. EMT
7. Physical Therapy Aide



Common Vendors

Medical Assisting, Pharmacy Tech

1. National Healthcareer Association- NHA

<https://www.nhanow.com/>

Email: Tammy.stine@nhanow.com

Contact: Tammy Stine Phone: 913-225-5869

2. Aztec (Pharmacy Tech, Medical Assisting)

<https://www.aztecsoftware.com>

Email: cgillikin@aztecsoftware.com

Email: kcrockett@aztecsoftware.com

Contact: Chip Gillikin, CTE Account Manager Phone: 800.273.0033 ext. 409

3. Kaduceus

[We Are Your Health Science CTE Program Provider | Kaduceus](#)

Corporate Office: PO Box 672573 Houston, TX 77267

[281-447-4200.](#)

[General Contact Request | Kaduceus](#)



Example “Other” Certifications

Again, check the student reporting guide.

PLTW BMS – FAST, Stop the bleed, FA, Precision Exams, BLS, NHSC, EKG Technician, BACE, etc.

Sports Med – FAST, Stop the bleed, Precision Exams, NHSC, FA, BLS, OSHA 10, EKG Technician, Physical Therapy Aide, Personal Trainer, etc.

Health Science – FAST, Stop the Bleed, FA, CPR/BLS, Precision Exams, NHSC, Paid Feeding Assistant, Electronic Health Record Technician, OSHA, Phlebotomy, PCT, DSP, CMAA, etc.

Public Health –FAST, Stop the Bleed, FA, CPR/BLS, OSHA, CDC certifications, NCIPH training sites, Train, etc.

EMS – FAST, Stop the bleed, FA, CPR/BLS, OSHA, Precision Exams, NHSC, First Responder, EMT, etc.



Where to Find Approved Certifications

[24-25 Student Report Procedures Guide \(SRPG\)](#) or

[CATE Program Page](#)

Below *Programs and Services* under *Additional Resources*

In fact, there is a plethora of information on this page under the *Additional Resources*

A sample of the resources include:

Course Catalogue

Innovative Application

Dual Completer Info

Certification Info

and much more.



Middle School Courses Offered

INTRODUCTION TO HEALTH PROFESSIONS 2839

FUNDAMENTALS OF HEALTHCARE 2791

May be taught by:

- Middle School Health Teachers
- Middle School Science Teachers

and

- High School Health Science Teachers
(with Proviso in effect)

Page 34 – Required Credentials M_n.



Virtual School Courses Offered

Health Science 1

Medical Terminology

Health Science 3
(Human Structure and Function)



ADVANCE CTE

Advance CTE is proposing to combine:

Health Science Cluster with FACS – Family and Consumer Science

How do you feel about this?

Advance CTE is proposing to rename our cluster Health & Human Services

Behavioral Health

Biotechnology Research & Development

Community & Social Services

Health Data & Administration

Personal Care Services

Physical & Holistic Health



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Let's speak out!

The [National Validation Survey](#) is open now until July 7 for your input about the draft. This project is likely to have come to your attention through your work. **You can find all the information you need [here](#), including background information, a draft of the project, related documents, and a recording of the webinar.**

NCHSE's fact gathering survey.

SURVEY COMPLETION DEADLINE: Tuesday, June 25, 2024

<https://www.surveymonkey.com/r/healthscienceinput>



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Watch Webinar

[\[Webinar\] Advancing the Framework: A National Career Clusters Framework Update \(youtube.com\)](#)

Review Changes

Fill out National Survey

Fill out NCHSE Survey



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Professional Development & Important Dates

- ❖ NCHSE Back to school Webinar. Saturday, August 3, 2024
- ❖ SC Health Science Back to School Webinar, Wednesday, August 28, 2024, 4:00 PM
- ❖ Washington Leadership Conference – For students and HOSA advisors
September 27-30, 2024, Washington, DC [Washington Leadership Academy](#)
- ❖ Fall Leadership Conference – Newberry College – October 10, 2024, Thursday
- ❖ NCHSE – National Health Science Educators Annual Professional Development Conference – Glendale, Arizona. October 15th – 18th, 2024 [NCHSE - Annual PD Conference 24](#)
- ❖ SC ACTE Health Science Educators Annual Professional Development Conference – Myrtle Beach, SC.
November 10-12th, Sunday - Tuesday
[2024 HSE Educators Conference](#)
- ❖ SC HOSA Fall Planning Meeting – November 20, 2024, Weds-SCDE
- ❖ SC HOSA State Leadership Conference – March 5-7, 2025, Weds– Fri
- ❖ HOSA ILC June 18-21, 2025



#FUTUREREADYCTE

NCHSE= HSEA Division Back to School Webinar

LIGHT A FIRE FOR LEARNING

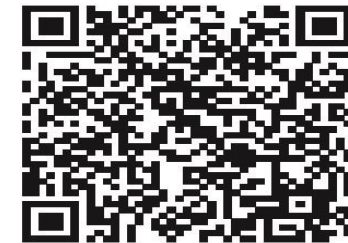
***SATURDAY, AUGUST 3, 2024
1:00 – 4:30 PM (EST)***

TOPICS INCLUDE:

- Building a Health Science Program
- Thriving Health Science Programs:
Keys to Lasting Impact
- Charting the Course with uBEATS
(a FREE Health Science Resource)
- Using Artificial Intelligence as a Teaching Tool
- Curiosity in the Curriculum, Activity Based Instruction
- *And casual conversations*

Join us for a
FREE HSEA
sponsored virtual
seminar for new
and experienced
health science
teachers

SCAN HERE
to register



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Health Science Educators Division

For more info attend HSE presentation



The poster features a scenic background of a beach at sunset with a Ferris wheel on the left. In the top left corner, there is a logo of a green heart with a stethoscope and a leaf. The text 'South Carolina Health Science Educators Conference' is written in blue. In the top right, the dates 'NOVEMBER 10 - 12 2024' are displayed in large white letters with a blue outline. The center of the poster is dominated by the words 'SAVE THE DATE' in very large, bold, white letters with a blue outline. In the bottom left, a black arrow points to a QR code, with the text 'SCAN ME! TO LEARN MORE' below it.

South Carolina
**Health Science
Educators
Conference**

**NOVEMBER
10 - 12
2024**

SAVE THE DATE

SCAN
ME!
TO LEARN MORE



#FUTUREREADYCTE

Health Science Educators Division

For more info attend HSE presentation



HANDS ON
BODY SYSTEMS

Starla Ewan

Join Starla as she demonstrates budget-friendly, hands-on, and user-friendly techniques in your classes.

Discover how her methods and teachings from the SC HSE Conference sessions can be applied effectively in your classroom.

Explore strategies for simplifying complex content for easy comprehension, retention, and practical application in the medical field and students' daily lives!



Linda Karges-Bone

Ever wondered why you feel anxious and overwhelmed even when there's no major crisis? It could be the result of micro-stressors constantly chipping away at our creativity and well-being.

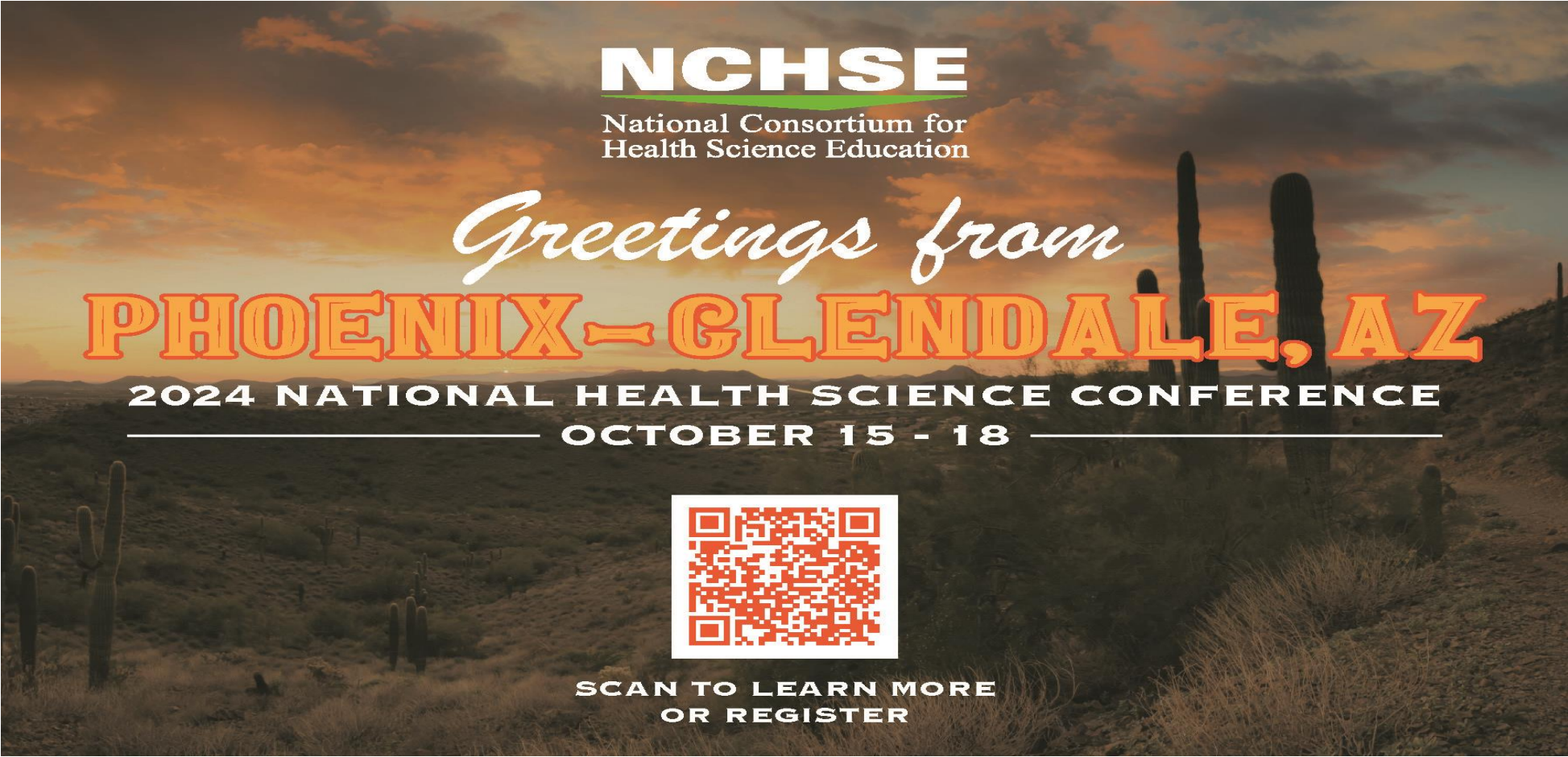
Micro-stressors are significant, and Dr. Bone will provide a beneficial three-part solution for managing this concern. Come join us and utilize the 3 B's to restore your brain and body to a state of balance.

Conference attendees will receive a copy of her best-selling "Brain Tips" to extend strategies for classroom and personal wellness.



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National Consortium for Health Science Education



NCHSE
National Consortium for
Health Science Education

Greetings from
PHOENIX-GLENDALE, AZ

2024 NATIONAL HEALTH SCIENCE CONFERENCE
OCTOBER 15 - 18



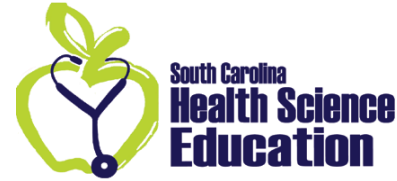
SCAN TO LEARN MORE
OR REGISTER



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ACTE HEALTH SCIENCE EDUCATORS DIVISION

- JOIN FOR \$75.00 - [Home \(scacte.com\)](http://scacte.com)



The Value of Membership

- Offer a collective, strong voice
- Access to relevant and current information
- Recognition of profession
- Provider of professional development
- Trusted access to wisdom

The Benefits of Belonging

- Is your voice on issues that are important to you
- Facilitates your networking needs with colleagues across the state on different issues
- Keeps you current professionally

Why Join Your Organization?

- Protect your livelihood
- Keep current on the latest information and techniques
- Network with experts across the state
- Be part of your professional group



Career And Technical Student Organizations(CTSOs)

MAKING AN IMPACT

With more than 2 million student members combined, these 11 organizations have a definite impact on student's overall college and career readiness.



Students who participate in CTSOs demonstrate higher levels of academic engagement and motivation, civic engagement, career self-efficacy and employability skills than other students.



According to the National Research Center for Career and Technical Education, participating in leadership and professional development activities in a CTSO raises students' educational aspirations.



Students who participate in school organizations in 10th grade have higher grade point averages and are more likely to be enrolled in college at 21 than other students.

National Coordinating Council for Career and Technical Student Organizations

[Home – CTSOs](#)





- HOSA is 100% Healthcare and is best aligned with Health Science.
- You need 5 student members and 1 advisor
- Membership is \$25 for each member and advisor
- Contact Angel for a charter number
- Membership Year Runs from August 1 – July 31
- It's as easy as that. Get it started, your students will thank you.

There is a separate HOSA presentation today.

www.schosa.org





Q & A





Contact Information

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