



## *Back to School Webinar - August 2024*

Division of College and Career Readiness  
Office of Career and Technical Education  
Health Science Education Associate  
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# What's New in Health Science?

## The Newest Standards in the Health Science Pathway

Standards posted and courses up and running

- Public Health Capstone 5589

[Public Health Capstone Course Standards](#)

- Introduction to Behavioral Health 5524

[Introduction to Behavioral Health Course Standards](#)

Maybe consider who is best suited to teach these types of courses



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# Cross Cluster Reminders

- ❑ Courses in other clusters that may be counted in the Health Science Completer path
  - Ag – 5613 – Introduction to Veterinary Science may be counted as the 3<sup>rd</sup> or 4<sup>th</sup> unit in the Health Science completer pathway. Other pathways such as Sports Medicine, EMS, or Biomedical Science, **are not** approved to use this course.
  - FACS- 5760 Sports Nutrition (2) may count as the 3<sup>rd</sup> or 4<sup>th</sup> unit in the Sports Medicine completer path. Other pathways **are not** approved to use in this course.
  - Human Services – FACS -Mental Health First Aid- Working on a cross-cluster with our new behavioral health course.



# 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.



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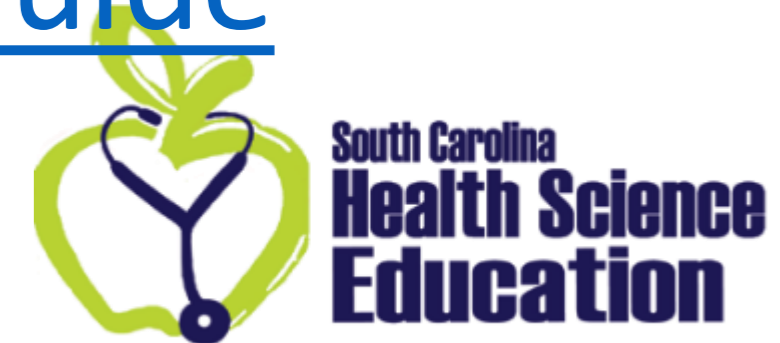
# Health Science Cluster CONCENTRATOR

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](#)



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# Health Science Cluster **COMPLETER**

Completer is state terminology.

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



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# 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 3<sup>rd</sup> 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 3<sup>rd</sup> unit, or FACS – Sports Nutrition in a 3 -unit completer path.



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# ***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 3<sup>rd</sup> unit if they are applicable to each pathway? Why not? 5 units vs. 6 units

Example

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

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



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# 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 \(sc.gov\)](#)



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# 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

First Aid/CPR/AED  
1

OSHA  
2

Example

FAST  
First Aid for  
Severe Trauma  
1

Healthcare  
Providers CPR  
Basic Life Support  
BLS

NHSC  
National Health  
Science Certification  
3

CCMA  
3

CNA  
3

## 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 of 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](#)**



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# 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](mailto:SCNAR@scdhhs.gov)

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



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# Nurse Aide

- For all inquiries about Credentia, please contact them directly.
  - Copy Angel and Charlena [scnar@scdhhs.gov](mailto:scnar@scdhhs.gov) on any problems that you are having so that she may contact the leadership team at SC DHHS.
  - This year there were plenty of issues with written and skills evaluations getting cancelled.
  - Directions given, were to email Charlena Hunter with the information below. [scnar@scdhhs.gov](mailto:scnar@scdhhs.gov)
1. Name of the training program/code and INF code
  2. Date of canceled exam.
  3. Number of students to test for this exam.
  4. Name of assigned evaluator of canceled exam.
  5. Name of an evaluator that the program has confirmed with that is available for the exam dates they want.
  6. At least 3 dates they want to replace for the cancelation

**Have you signed the INfacility amendments to Credentia's agreements (pertaining to proctors)?  
Technical Colleges are pushing back on this.**



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# 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](mailto:scnar@scdhhs.gov)



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# 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



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# Common Vendors

## Medical Assisting, Pharmacy Tech

1. National Healthcareer Association- NHA

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

Email: [Tammy.stine@nhanow.com](mailto: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](mailto:cgillikin@aztecsoftware.com)

Email: [kcrockett@aztecsoftware.com](mailto: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](#)



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# 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

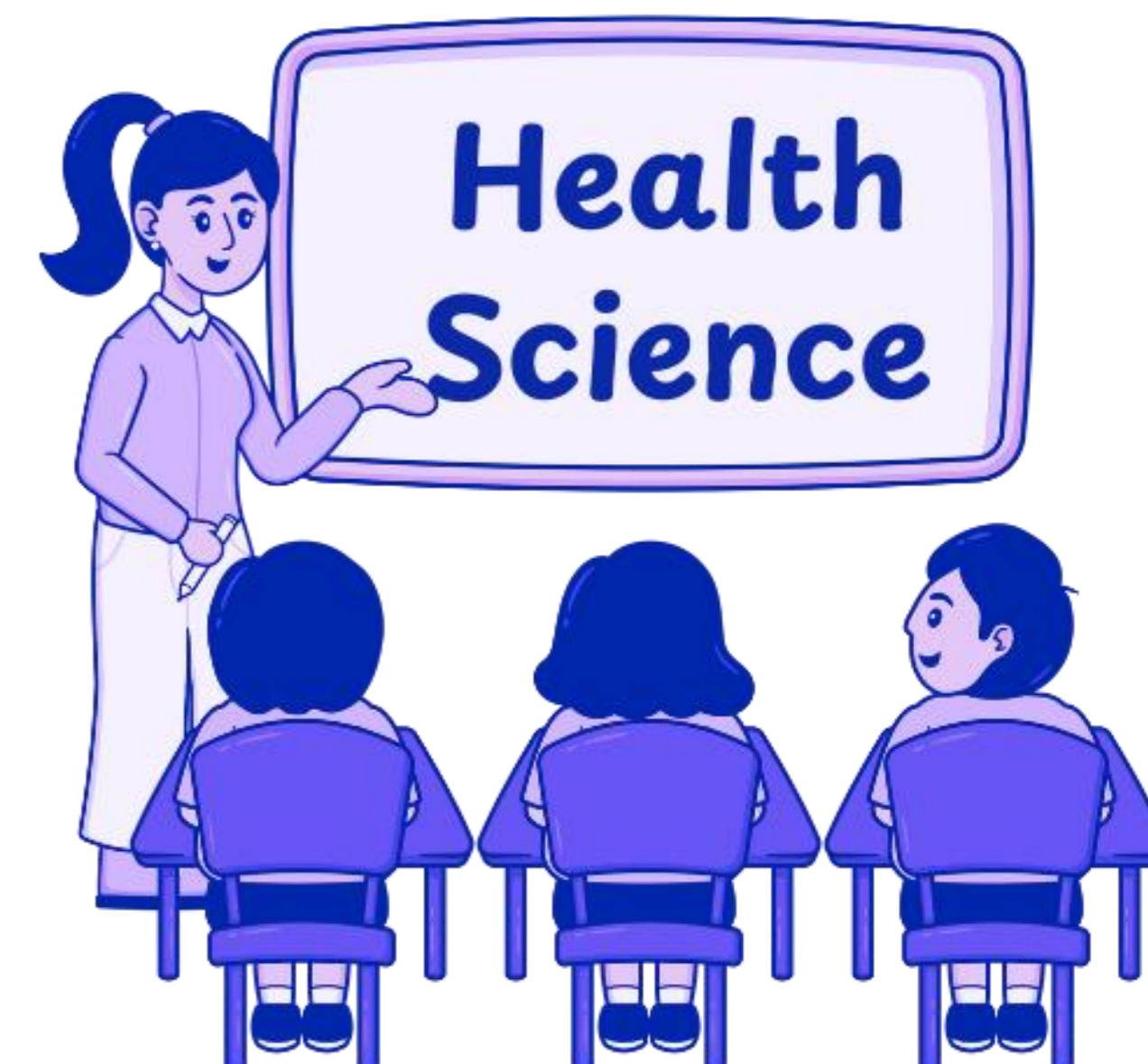
## May be taught by:

- Middle School Health Teachers
- Middle School Science Teachers

## AND

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

Page 34 – Required Credentials Mn.



# Virtual School Courses Offered

- Health Science 1
- Medical Terminology
- Health Science 3  
( Human Structure and Function)



# Teacher Certification

All teachers in the classroom should have the required credentials to be teaching the courses they are assigned to.

All teachers in the health science classroom must have a medical credential, with the exception of the science teachers in the PLTW BMS courses.

All science teachers teaching any health science courses outside of PLTW must be individually approved through our CTE office and kept in the office of accountability.

All NEW teachers in the classroom must have received a letter of eligibility from SCDE Educator Services. All new teachers must enroll in the DIRECT program for CTE training and fulfill the required assignments within the timeframe scheduled.

[CTE Work-Based Certification Program Participants - First 5 years](#)



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# CTE Advisory Committees & Boards

All programs (Health Science, BMS) within a school should have their own CTE advisory committee that meets twice a year.

All school districts should have their own CTE advisory board that meets twice a year.



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# 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

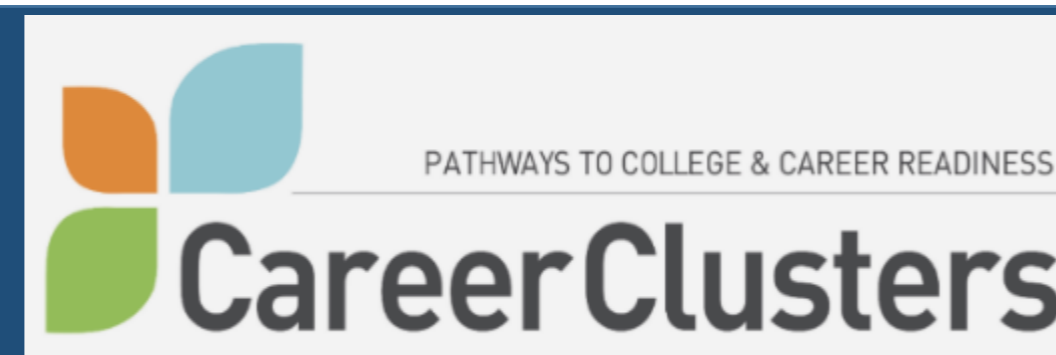


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## Health & Human Services: *Supporting the Whole Health of Individuals, Families, and Communities*

**Cluster Definition:** The Health & Human Services Career Cluster promotes holistic well-being in individuals and communities through a diverse array of services. This includes technical, mental, therapeutic, and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this cluster aims to enhance the overall health and resilience of individuals, families, and communities.

Sub-Clusters	Sample Programs of Study
<p><b>Behavioral Health:</b> Careers dedicated to mental and emotional well-being, including counseling, psychology, and psychiatric services, aimed at supporting individuals through mental health challenges and promoting psychological health.</p>	<p>Counseling &amp; Mental Health Services</p>
<p><b>Biotechnology Research &amp; Development:</b> Careers focused on research and development in the medical field, including biotechnology and scientific research. These professionals develop new treatments, drugs, and innovative medical technologies to advance healthcare.</p>	<p>Biomedical Science Biotechnology Research &amp; Development</p>
<p><b>Community &amp; Social Services:</b> Careers that address the societal and environmental factors affecting health, such as public services, social work, and case management, aiming to improve health outcomes by tackling social inequalities and providing support services. This also includes clergy and spiritual support roles, which provide essential emotional and spiritual guidance to individuals and communities.</p>	<p>Human Services Social Work</p>
<p><b>Health Data &amp; Administration:</b> Careers centered on the management, analysis, and administration of health information and data. It encompasses fields such as health informatics, medical records, and healthcare administration, with professionals dedicated to enhancing healthcare delivery through effective technology and data management.</p>	<p>Health Informatics Medical Assisting Medical Record Keeping</p>
<p><b>Personal Care Services:</b> Careers that offer beauty and wellness services such as hairdressing, nail care, skincare, and massage therapy, focusing on enhancing personal appearance and promoting relaxation and well-being. These professions are grounded in a thorough understanding of health and safety practices.</p>	<p>Barbering Cosmetology Massage Services</p>
<p><b>Physical &amp; Holistic Health:</b> Careers in allied health and healthcare that directly impact the physical well-being of individuals, including nursing, doctors, dentistry, therapeutic services, imaging and diagnostics, technicians, pharmaceuticals, and nutrition. Encompasses healthcare from pre-birth to death, addressing all stages from pediatrics to gerontology. Also includes careers that offer alternative and complementary health services such as homeopathy, acupuncture, and others that focus on the holistic well-being of individuals.</p>	<p>Allied Health Health Sciences Radiology Technician Pharmacy Technician Physical Therapy Principles of Acupuncture Sports Medicine</p>



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# Professional Development & Important Dates

- ❖ SC HOSA Summer Planning Meeting – July 9, 2024 –Tuesday – New SCDE  
If you want an invite email Angel: [aclark@ed.sc.gov](mailto:aclark@ed.sc.gov)
- ❖ Fall Leadership Conference – Newberry College – October 10, 2024, Thursday
- ❖ SC ACTE Health Science Educators Annual Professional Development Conference – Myrtle Beach, SC.  
November 10-12<sup>th</sup>, Sunday – Tuesday [2024 HSE Educators Conference](#)
- ❖ NCHSE – National Health Science Educators Annual Professional Development Conference – Glendale, Arizona.  
October 15<sup>th</sup> – 18<sup>th</sup>, 2024 [NCHSE - Annual PD Conference 24](#)
- ❖ Washington Leadership Conference – For students and HOSA advisors  
September 27-30, 2024, Washington, DC [Washington Leadership Academy](#)
- ❖ SC HOSA Fall Planning Meeting – November 20, 2024, Wednesday -New SCDE
- ❖ SC HOSA State Leadership Conference – March 5-7, 2025, Wednesday– Friday



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# 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



 **South Carolina  
Health Science  
Educators  
Conference**

**NOVEMBER  
10 - 12  
2024**

**SAVE THE DATE**

 **SCAN  
ME!  
TO LEARN MORE**

 **South Carolina  
Health Science  
Education**



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# 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**



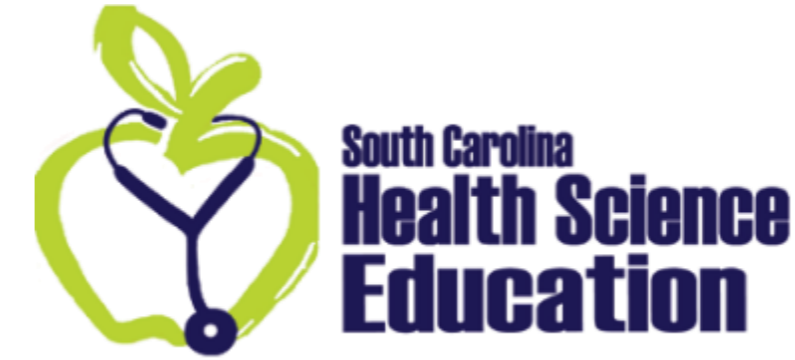
SCAN TO LEARN MORE OR REGISTER



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South Carolina Association for Career and Technical Education  
**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







- 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.
- When you enter members in the CMS please use the student's personal email address.



## IMPORTANT LINKS TO ACCESS:

SC HOSA [WWW.SCHOSA.ORG](http://WWW.SCHOSA.ORG)

NATIONAL HOSA [WWW.HOSA.ORG](http://WWW.HOSA.ORG)

SC HSE [Health Science Educators](#)

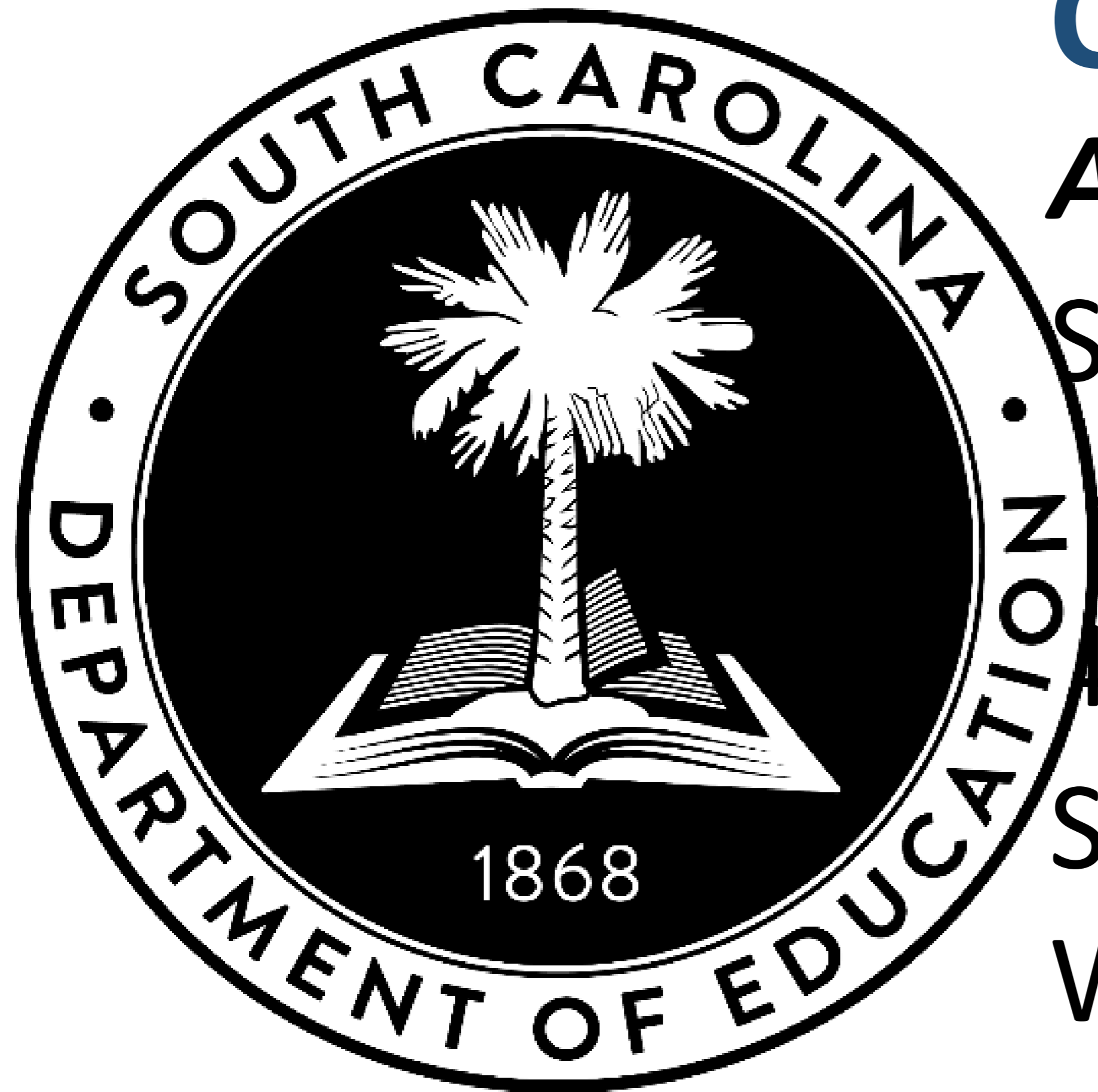
NCHSE [National Consortium for Health Science Education | Better Health Science Education | Better Healthcare \(healthscienceconsortium.org\)](#)





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## Contact Information

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