



Department of
Education

LEAD Conference

Strong High School Pathways with Stackable Credentials, Postsecondary Credit, and Industry Certifications

Candi Norwood,
Director of Student Success

Agenda

Tennessee Diploma Project Requirements

Career Preparation through CTE

Seamless Pathways

Double-Dipping

Early Postsecondary Opportunities (EPSOs)

Stackable Credentials & Industry Certifications

Work-Based Learning

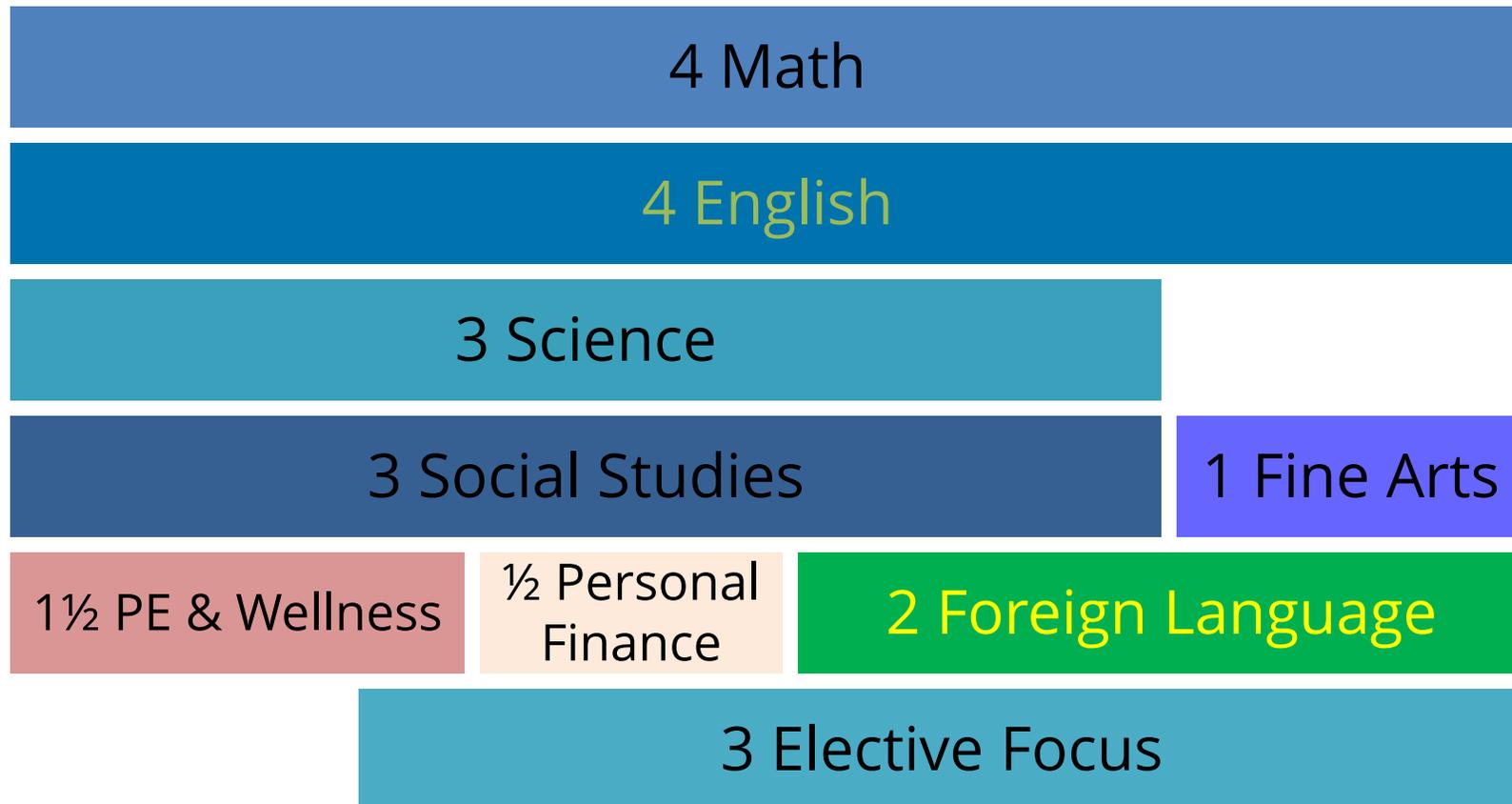
Seamless Pathways Revisited

Objectives for Today

- Understand how your school can create a master schedule complete with offerings for dual enrollment and industry certifications
- Design a plan for students to leave high school prepared for postsecondary or employment with credits and credentials in hand

Graduation Requirements

Tennessee Graduation Requirements include 22 credits



Graduation Requirements

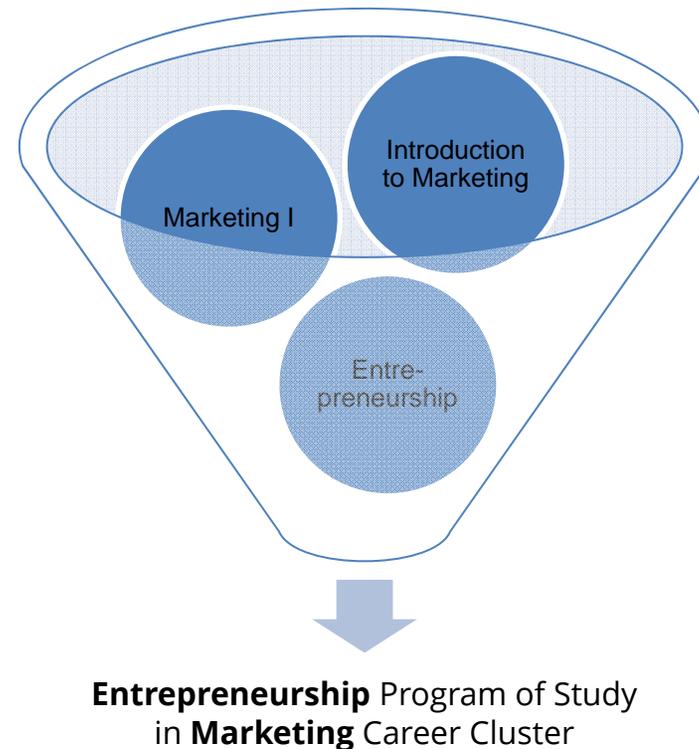
Important to Consider

- Credits are aligned to requirements for entrance into public universities in Tennessee
- Elective focus is meant to support students in preparation for their chosen postsecondary plans
 - Prepare for a potential career path and/or postsecondary program
 - Practice a passion
 - Explore new fields or subjects
- 22 credits needed for graduation still leave multiple spaces for electives and remediation
 - On traditional schedules, students can earn up to 28 credits through high school
 - On block schedules, students can earn up to 32 credits through high school
- The 22 credits may not include the **Capstone Experience** also required by the state board. This experience is determined locally.

Overview of Elective Focus

➤ What is an elective focus?

- Students select from Career & Technical Education (CTE), Arts, International Baccalaureate, AP, Math or Science, etc.
- If CTE, students follow a prescribed path in a specific career cluster.
- Pathways (“program of study”) are grouped by knowledge and skills in the career field and prepare them for success at the next level.



Career Clusters & Programs of Study

The U.S. Department of Education developed [The National Career Clusters™ Framework](#) to group similar occupations and industries that depend on like sets of knowledge and skills. The Tennessee Department of Education adopted the 16 Career Clusters as promoted by U.S. DOE and the U.S. Department of Labor.



Our Goal for Our Students

- Governor Haslam has challenged our state with a critical new mission: the **Drive to 55** – the Drive to get 55 percent of Tennesseans equipped with a college degree or certificate by the year 2025.
- It's not just a mission for higher education, but a mission for Tennessee's future workforce and economic development.
- As secondary educators, this changes our goal for our students from **high school graduation** to **postsecondary success**.



TN Department of Education Strategic Plan

SUCCESS AFTER GRADUATION

GOAL #1



Tennessee will continue its rapid improvement and rank in the top half of states by 2019.

MEASUREMENT

We will rank in the top half of states on 4th and 8th grade NAEP in 2019.

GOAL #2



The average ACT score in Tennessee will be a 21, allowing more students to earn HOPE scholarships.

MEASUREMENT

Tennessee will have an average public ACT composite score of 21 by 2020.

GOAL #3

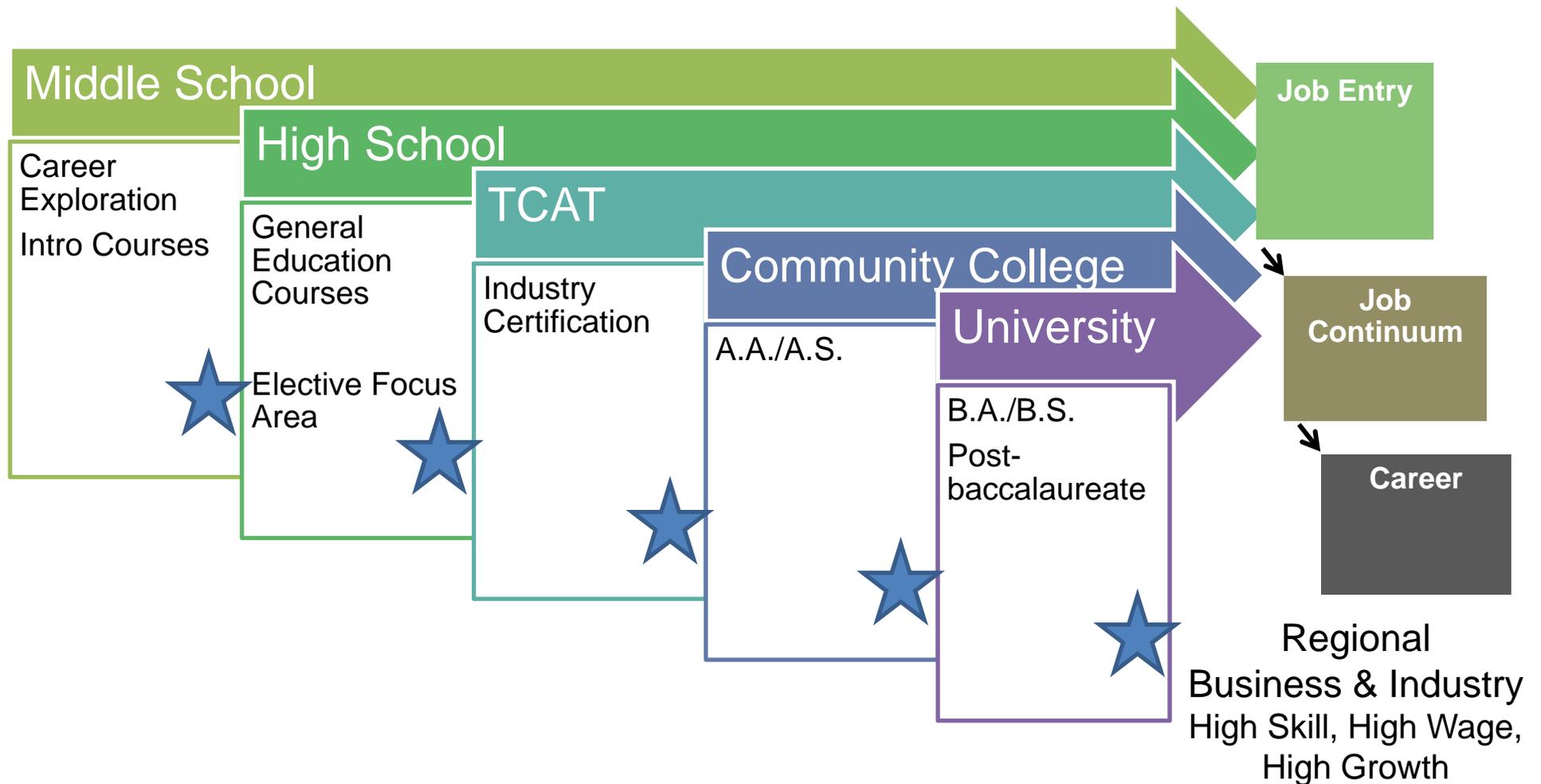


A majority of high school graduates will go on to earn a certificate or degree.

MEASUREMENT

The class of 2020 will be on track to achieve 55% postsecondary completion within six years.

What Does a Pathway Look Like?



Program of Study

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	Diagnostic Services	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	Mechatronics	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	Dietetics and Nutrition	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	Agribusiness	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
		Supervised Agricultural Experience (WBL)			

Program of Study

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
1. Flexibility for Schools/Districts			Supervised Agricultural Experience (WBL)		

Program of Study

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
		Supervised Agricultural Experience (WBL)			

1. Flexibility for Schools/Districts
2. General Education Courses

Program of Study

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agri-science	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
<ol style="list-style-type: none"> Flexibility for Schools/Districts General Education Courses Lab Science Credit 			Supervised Agricultural Experience (WBL)		

Program of Study

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
1. Flexibility for Schools/Districts			Supervised Agricultural Experience (WBL)		

2. General Education Courses
3. Lab Science Credit
4. Personal Finance

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- Medical Terminology	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	Mechatronics I	Mechatronics II
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	Agricultural Business and Finance
		Supervised Agricultural Experience (WBL)			

1. Flexibility for Schools/Districts
2. General Education Courses
3. Lab Science Credit
4. Personal Finance
5. Work-Based Learning

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- <u>Medical Terminology</u>	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	<u>Mechatronics I</u>	<u>Mechatronics II</u>
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	<u>Agricultural Business and Finance</u>
Supervised Agricultural Experience (WBL)					

1. Flexibility for Schools/Districts
2. General Education Courses
3. Lab Science Credit
4. Personal Finance
5. Work-Based Learning
6. Dual Credit

Career Cluster	Program of Study	Level 1	Level 2	Level 3	Level 4
Health Science	<i>Diagnostic Services</i>	Health Science Education	Diagnostic Medicine	Anatomy and Physiology -and/or- <u>Medical Terminology</u>	Cardiovascular Services -and/or- Clinical Internship
Advanced Manufacturing	<i>Mechatronics</i>	Principles of Manufacturing	Digital Electronics	<u>Mechatronics I</u>	<u>Mechatronics II</u>
Human Services	<i>Dietetics and Nutrition</i>	Introduction to Human Studies	Nutrition Across the Lifespan	Nutrition Science and Diet Therapy	Human Services Practicum -and/or- Psychology
Agriculture	<i>Agribusiness</i>	Agriscience	Principles of Agribusiness	Organizational Leadership and Communications	<u>Agricultural Business and Finance</u>
1. Flexibility for Schools/Districts			Supervised Agricultural Experience (WBL)		

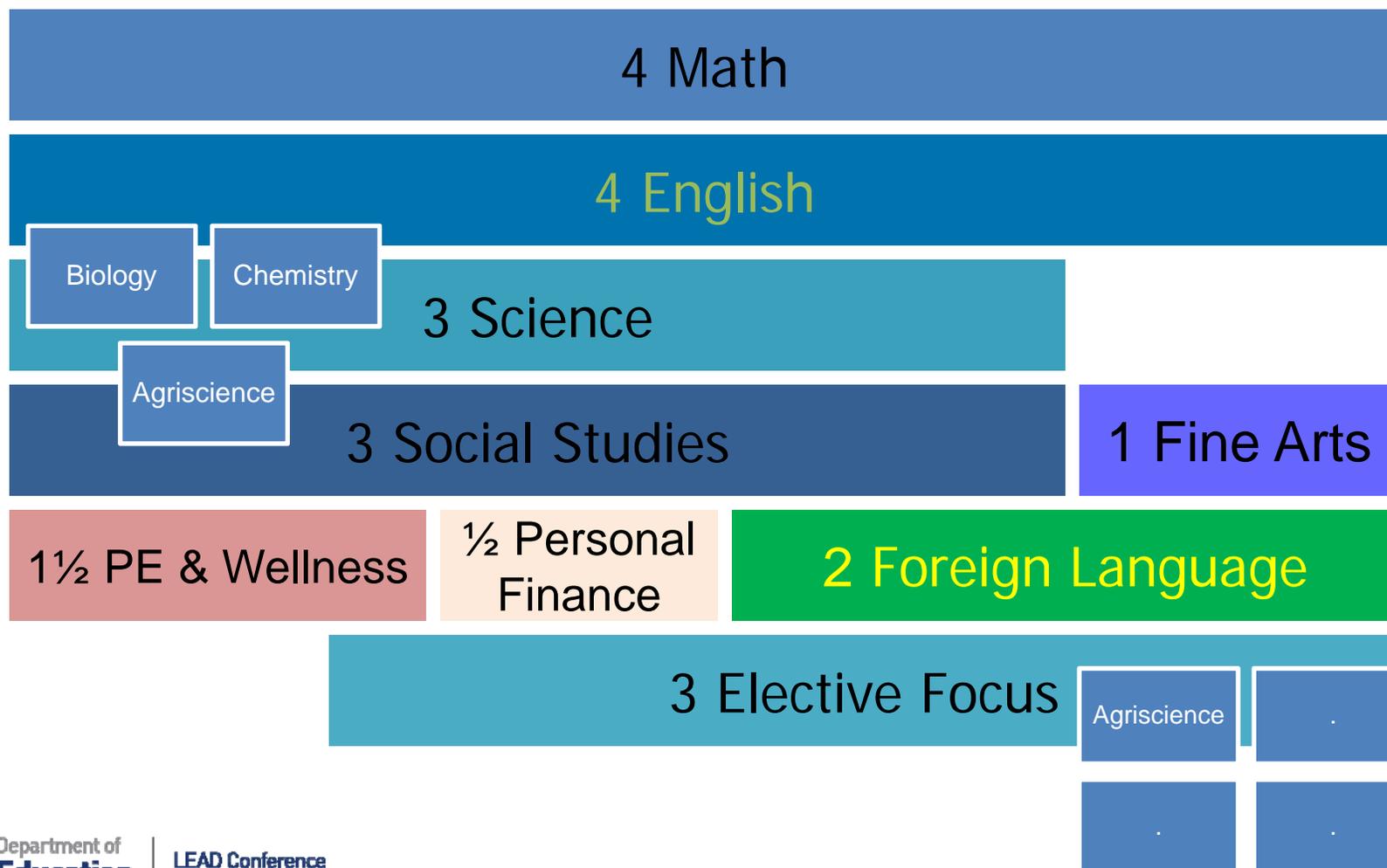
2. General Education Courses
3. Lab Science Credit
4. Personal Finance
5. Work-Based Learning
6. Dual Credit / Dual Enrollment

Double Dipping

COURSE NAME	CAREER CLUSTER(S)	SATISFIES GRADUATION REQUIREMENT
Agriscience (5957)	Agriculture, Food & Natural Resources	Lab Science
Veterinary Science (5961)	Agriculture, Food & Natural Resources	Lab Science
Agricultural Business and Finance (5943)	Agriculture, Food & Natural Resources	Personal Finance
Applied Environmental Science (6114)	Agriculture, Food & Natural Resources	Lab Science
AP Environmental Science (3236)	Agriculture, Food & Natural Resources	Lab Science / AP Elective Focus
Foundations of Interior Design (6014)	Architecture & Construction	Fine Art
Visual Art (3501)	Arts, A/V Technology & Communications	Fine Art
Digital Arts & Design I (6084)	Arts, A/V Technology & Communications	Fine Art
Foundations of Fashion Design (6120)	Arts, A/V Technology & Communications	Fine Art
Entrepreneurship (5934)	Business Management & Administration Human Services Marketing	Economics

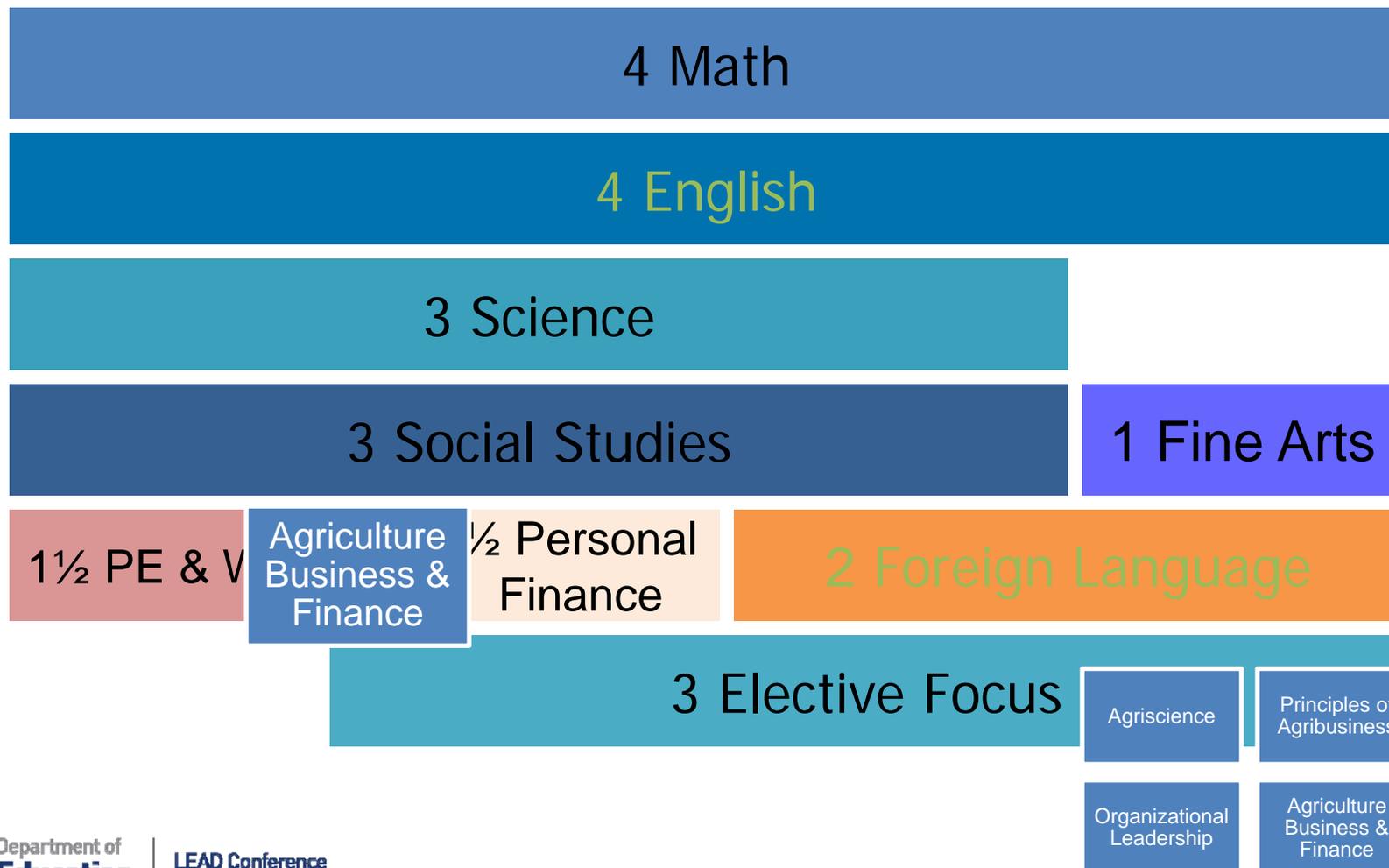
An Example—Agribusiness Program of Study

Tennessee Graduation Requirements include 22 credits



An Example—Agribusiness Program of Study

Tennessee Graduation Requirements include 22 credits



Advantages of Double-Dipping in this Scenario

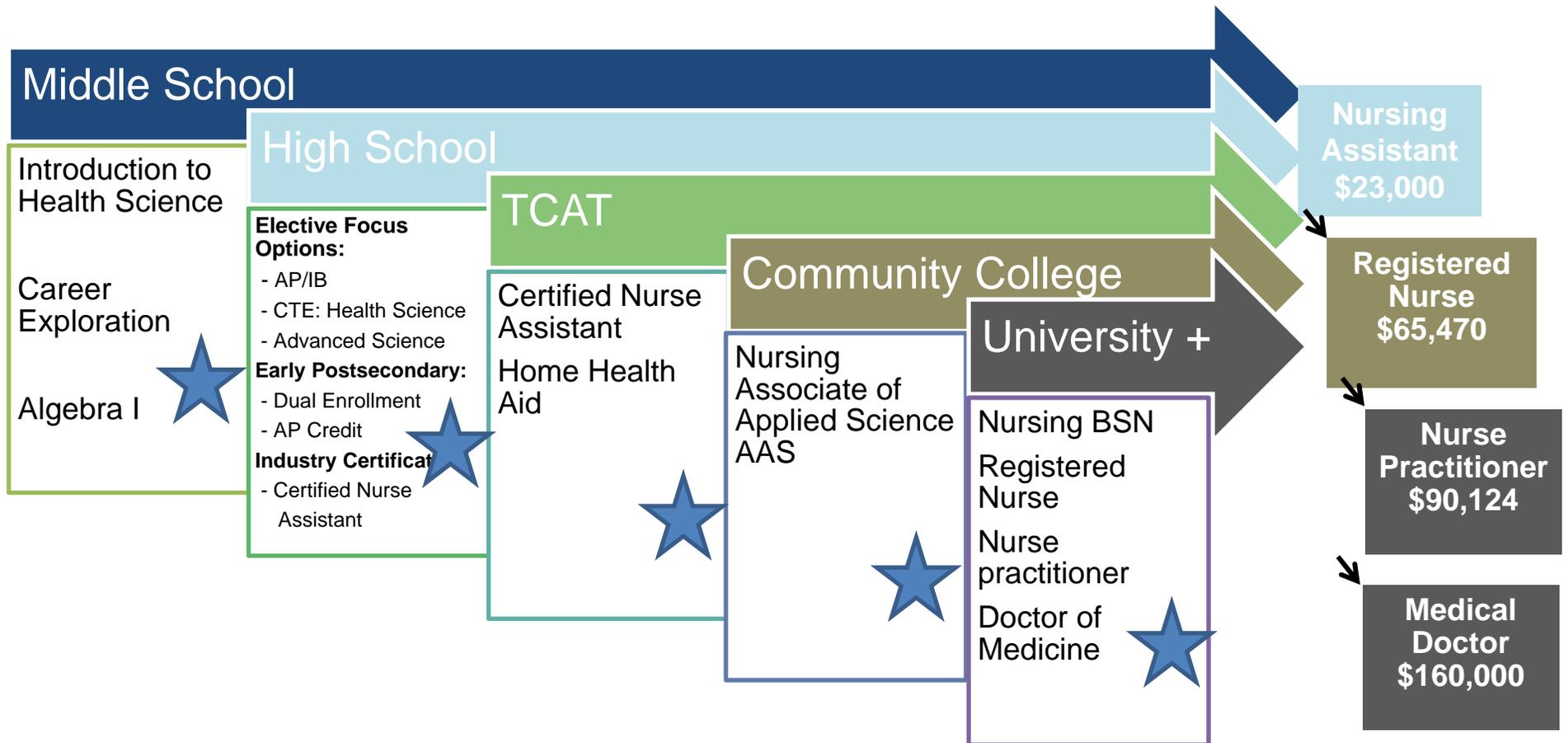
- Saved 1.5 credit spaces
- Satisfied graduation requirements
- Satisfied concentrator requirements
- Students taking classes of interest
 - Less disciplinary issues
 - Gaining postsecondary /workforce knowledge
- Freed up scheduling spots for other students in lab science and personal finance

Early Postsecondary Opportunities

ALL MEANS ALL

- Earn postsecondary credits while in high school
- Become familiar with postsecondary expectations
- Develop the confidence and skills for success in postsecondary
- Decrease the time and cost of completing a certificate or degree

What Does a Pathway Look Like?



CTE Dual Credit / Dual Enrollment

Dual Enrollment Architecture & Construction	DE Archt &Cons	4071	Cons
Dual Enrollment Residential & Commercial Construction	DE Res &Com Cons	4072	Cons
Dual Enrollment Structural Systems	DE Struc Sys	4073	Cons
Dual Enrollment Mechanical, Electrical, & Plumbing Systems	DE MEP Sys	4074	Cons
Dual Enrollment Architectural & Engineering Design	DE Archt &Eng Des	4075	Cons
Dual Enrollment Interior Design	DE Int Des	4076	Cons
Dual Enrollment Art, Audio/Visual Technology, & Communications	DE Art AV &Comm	4077	Arts
Dual Enrollment Arts & Design	DE Art Des	4078	Arts
Dual Enrollment Audio/Visual Production	DE AV Prod	4079	Arts
Dual Enrollment Fashion Design	DE Fash Des	4080	Arts

Early Postsecondary Opportunities Available

- Dual Enrollment** _____ Course
 - Local Dual Credit** _____
 - Statewide Dual Credit** _____
 - Advanced Placement (AP)** _____
 - International Baccalaureate (IB)** _____
 - College Level Examination Program (CLEP)** _____
 - Student Industry Certification (SIC)** _____
- Course & Exam
- Exam
-
- ```
graph LR; A[Local Dual Credit] --- B[Statewide Dual Credit]; B --- C[Advanced Placement AP]; C --- D[International Baccalaureate IB]; A --- E[Course & Exam]; B --- E; C --- E; D --- E; F[College Level Examination Program CLEP] --- G[Student Industry Certification SIC]; F --- H[Exam]; G --- H;
```



## Getting an Early Start on Postsecondary Education

### EARLY POSTSECONDARY OPPORTUNITIES IN TENNESSEE

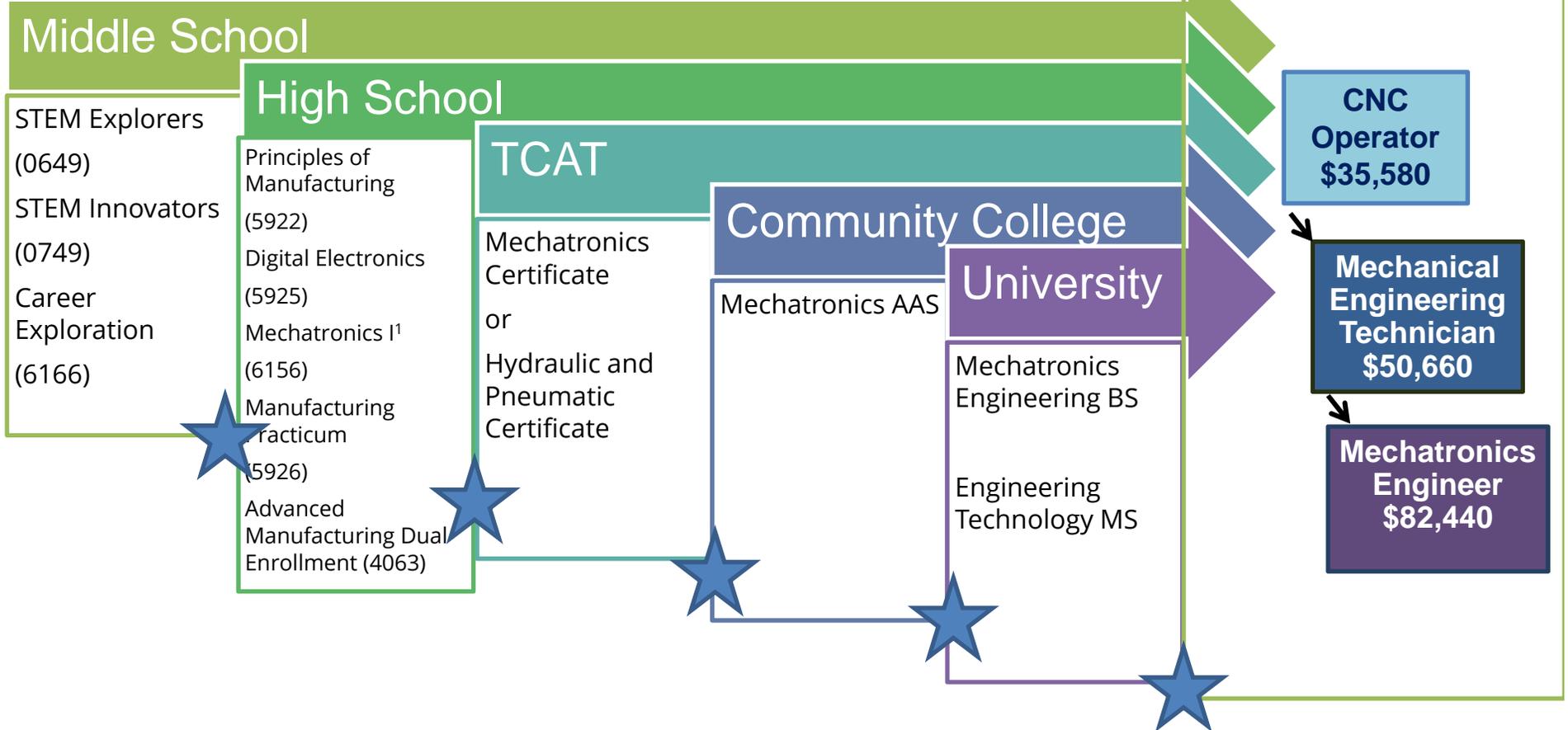
|                                                         | <b>AP</b> Advanced Placement                                                                                                                              | <b>CIE</b> Cambridge                                                                                                                                             | <b>CLEP</b> College Level Exam Program                                                                                                                               | <b>DE</b> Dual Enrollment                                                                                                                                                             | <b>IB</b> International Baccalaureate                                                                                                                                     | <b>LDC</b> Local Dual Credit                                                                                                                                                         | <b>SDC</b> Statewide Dual Credit                                                                                                                                                    |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                      | <ul style="list-style-type: none"> <li>◦ College-level high school courses offered in multiple subjects</li> <li>◦ Nationally recognized exams</li> </ul> | <ul style="list-style-type: none"> <li>◦ High school academic programs (curricula, assessments, pedagogy)</li> <li>◦ Internationally recognized exams</li> </ul> | <ul style="list-style-type: none"> <li>◦ Exams offered in multiple subjects</li> <li>◦ Nationally recognized exams used to assess college-level knowledge</li> </ul> | <ul style="list-style-type: none"> <li>◦ Postsecondary course taught at the PS institution, high school, or online</li> <li>◦ HS student is enrolled in the PS institution</li> </ul> | <ul style="list-style-type: none"> <li>◦ Academically challenging course of study offered at the high school level</li> <li>◦ Internationally recognized exams</li> </ul> | <ul style="list-style-type: none"> <li>◦ High school course aligned to standards at local/partner PS institution</li> <li>◦ Optional exam for credit at local institution</li> </ul> | <ul style="list-style-type: none"> <li>◦ High school course aligned to statewide PS standards</li> <li>◦ Required challenge exam for PS credit at Tennessee institutions</li> </ul> |
| <b>Structure</b>                                        | Course and Exam                                                                                                                                           | Course and Exam                                                                                                                                                  | Exam                                                                                                                                                                 | Course                                                                                                                                                                                | Course and Exam                                                                                                                                                           | Course and Exam                                                                                                                                                                      | Course and Exam                                                                                                                                                                     |
| <b>Provider</b>                                         | The College Board                                                                                                                                         | Cambridge International Examinations                                                                                                                             | The College Board                                                                                                                                                    | Individual TN PS institutions                                                                                                                                                         | International Baccalaureate Organization                                                                                                                                  | Individual TN PS institutions                                                                                                                                                        | Tennessee Department of Education                                                                                                                                                   |
| <b>Student Fees &amp; Assistance</b>                    | <ul style="list-style-type: none"> <li>◦ Exam Fees</li> <li>◦ State assistance for low income students</li> </ul>                                         | <ul style="list-style-type: none"> <li>◦ Exam Fees</li> <li>◦ State assistance for low income students</li> </ul>                                                | <ul style="list-style-type: none"> <li>◦ Exam Fees</li> </ul>                                                                                                        | <ul style="list-style-type: none"> <li>◦ Course tuition, fees, books</li> <li>◦ Dual Enrollment Grant (Lottery Scholarships)</li> </ul>                                               | <ul style="list-style-type: none"> <li>◦ Exam Fees</li> <li>◦ State assistance for low income students</li> </ul>                                                         | <ul style="list-style-type: none"> <li>◦ Exam Fees</li> </ul>                                                                                                                        | <ul style="list-style-type: none"> <li>◦ No cost to student</li> </ul>                                                                                                              |
| <b>High School Credit &amp; Graduation Requirements</b> | <ul style="list-style-type: none"> <li>◦ AP courses meet specific graduation requirements and/or elective credit</li> </ul>                               | <ul style="list-style-type: none"> <li>◦ Cambridge courses meet specific graduation requirements and/or elective credit</li> </ul>                               | <ul style="list-style-type: none"> <li>◦ CLEP is not a course. It does not meet high school graduation requirements</li> </ul>                                       | <ul style="list-style-type: none"> <li>◦ District sets policy on awarding high school credit and graduation requirements</li> </ul>                                                   | <ul style="list-style-type: none"> <li>◦ IB courses meet specific graduation requirements and/or elective credit</li> </ul>                                               | <ul style="list-style-type: none"> <li>◦ LDC course fulfills the same requirements as aligned high school course</li> </ul>                                                          | <ul style="list-style-type: none"> <li>◦ SDC course fulfills the same requirements as aligned high school course</li> </ul>                                                         |
| <b>High School Recognition State Policies</b>           | <ul style="list-style-type: none"> <li>◦ Criteria for Graduation with State Distinction</li> <li>◦ Qualifies for state GPA weighting</li> </ul>           | <ul style="list-style-type: none"> <li>◦ Criteria for Graduation with State Distinction</li> <li>◦ Qualifies for state GPA weighting</li> </ul>                  |                                                                                                                                                                      | <ul style="list-style-type: none"> <li>◦ Criteria for Graduation with State Distinction</li> </ul>                                                                                    | <ul style="list-style-type: none"> <li>◦ Criteria for Graduation with State Distinction</li> <li>◦ Qualifies for state GPA weighting</li> </ul>                           |                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>◦ Qualifies for state GPA weighting</li> </ul>                                                                                               |
| <b>Postsecondary Credit</b>                             | <ul style="list-style-type: none"> <li>◦ AP Exam score</li> </ul>                                                                                         | <ul style="list-style-type: none"> <li>◦ Cambridge AS or A Level subject grade</li> </ul>                                                                        | <ul style="list-style-type: none"> <li>◦ CLEP Exam Score</li> </ul>                                                                                                  | <ul style="list-style-type: none"> <li>◦ DE Course Completion</li> <li>◦ Passing Grade as assigned</li> </ul>                                                                         | <ul style="list-style-type: none"> <li>◦ IB SL or HL Exam Scores</li> </ul>                                                                                               | <ul style="list-style-type: none"> <li>◦ Challenge exam score at or above cut score</li> </ul>                                                                                       | <ul style="list-style-type: none"> <li>◦ Challenge exam score at or above cut score</li> </ul>                                                                                      |
| <b>Postsecondary Credit Award</b>                       | <ul style="list-style-type: none"> <li>◦ Determined by individual institutions</li> <li>◦ Awarded upon matriculation</li> </ul>                           | <ul style="list-style-type: none"> <li>◦ Determined by individual institutions</li> <li>◦ Awarded upon matriculation</li> </ul>                                  | <ul style="list-style-type: none"> <li>◦ Determined by individual institutions</li> <li>◦ Awarded upon matriculation</li> </ul>                                      | <ul style="list-style-type: none"> <li>◦ Credit awarded on PS transcript upon course completion</li> <li>◦ Credit can be transferred to other PS institutions</li> </ul>              | <ul style="list-style-type: none"> <li>◦ Determined by individual institutions</li> <li>◦ Awarded upon matriculation</li> </ul>                                           | <ul style="list-style-type: none"> <li>◦ Students must enroll with a partner institution to receive credit</li> <li>◦ Awarded upon matriculation</li> </ul>                          | <ul style="list-style-type: none"> <li>◦ Credit accepted at all TN public PS institutions</li> <li>◦ Students notify registrar upon matriculation to receive credit</li> </ul>      |

# How do we offer Industry Certifications?

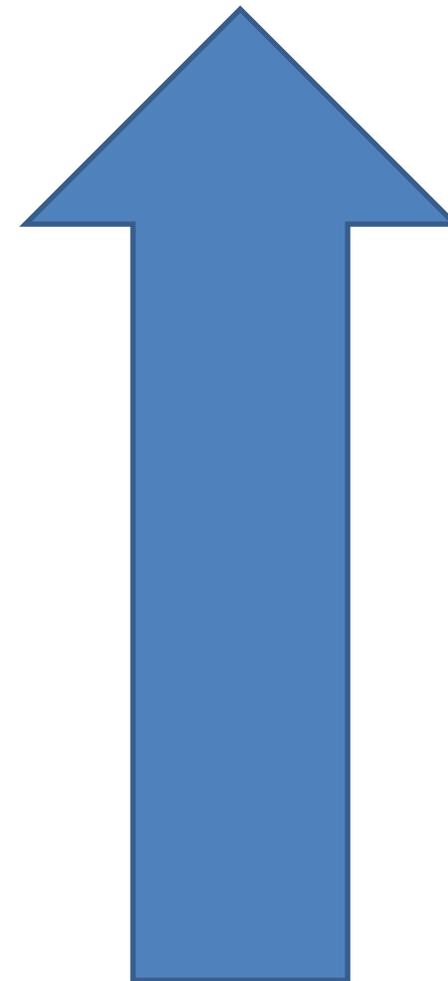
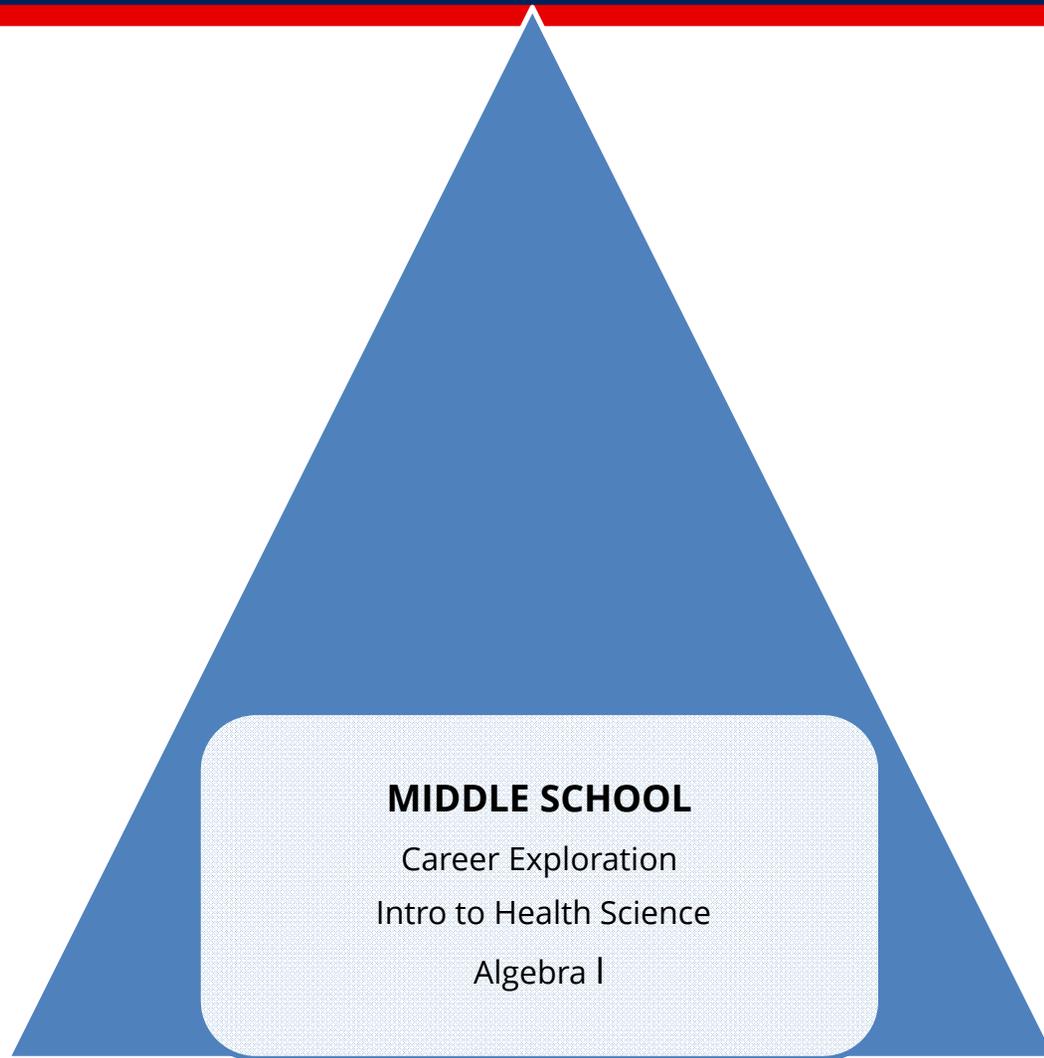
- Mechatronics/ Advanced Manufacturing
- Level 1 Siemens Certification
- Offered at some TCATs
- Find out about tested materials
- Testing dates
- Payment for tests
- Become a testing site

# Mechatronics Program of Study Advanced Manufacturing

Regional  
Business & Industry

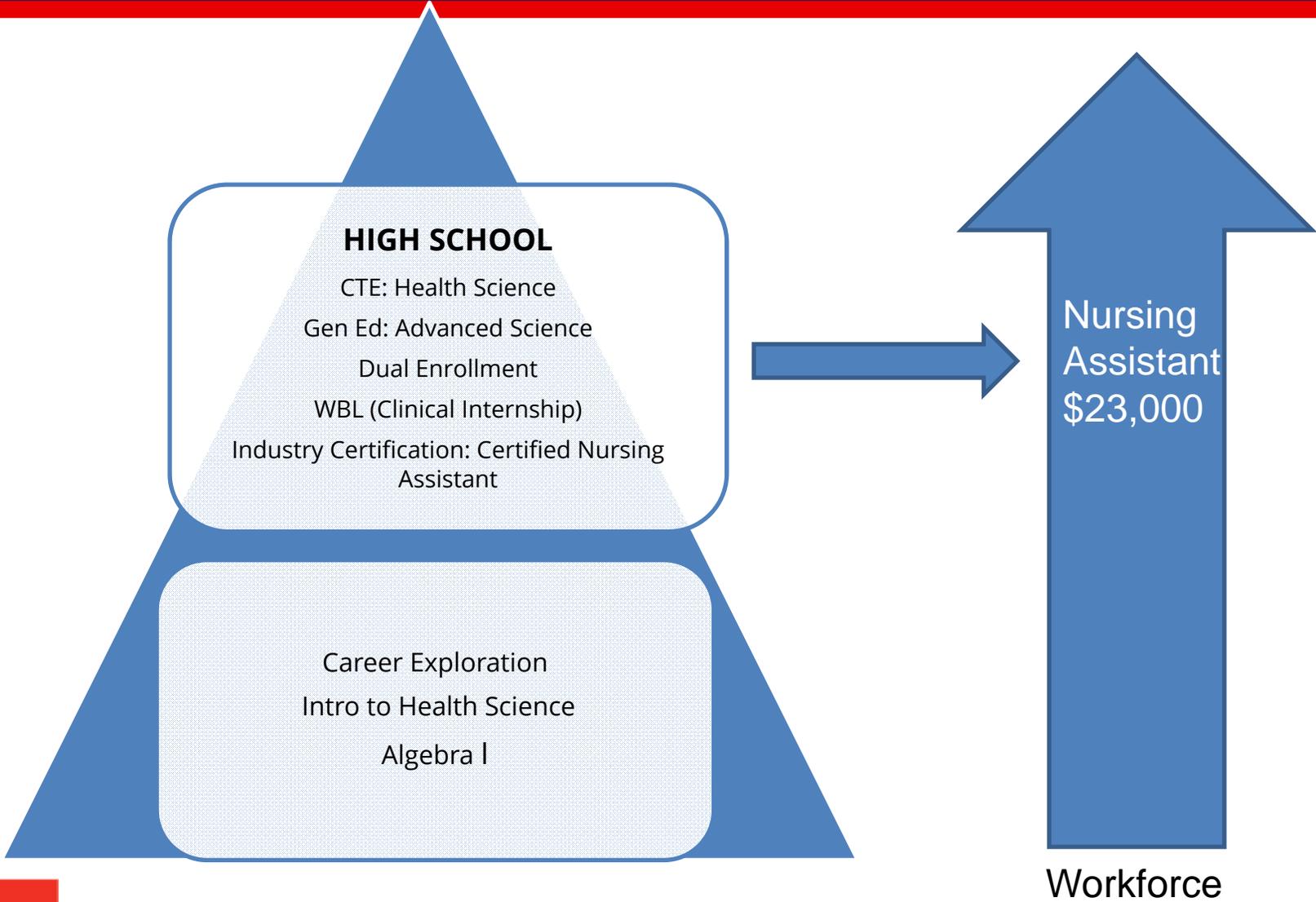


# Stackable Credentials

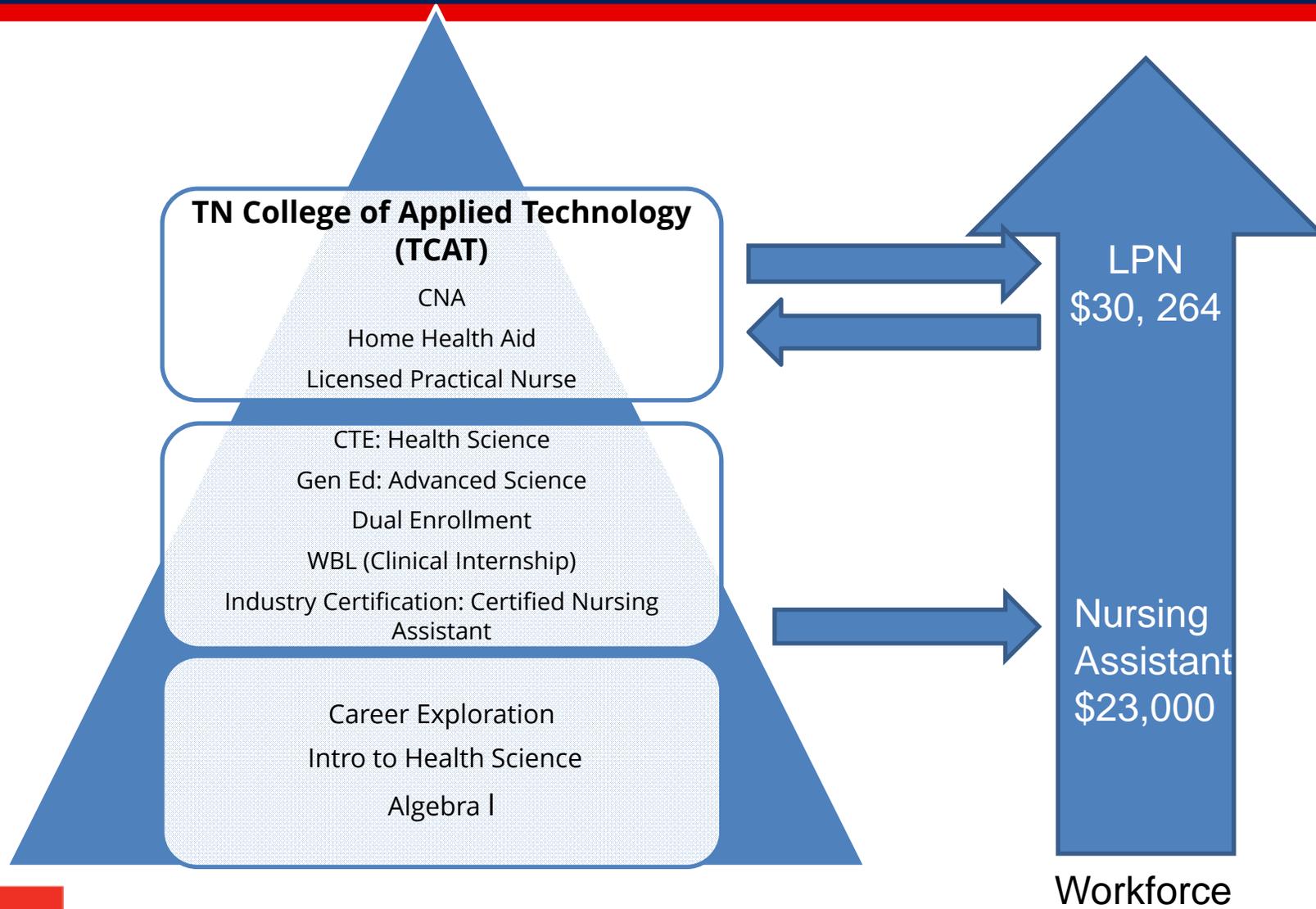


Workforce

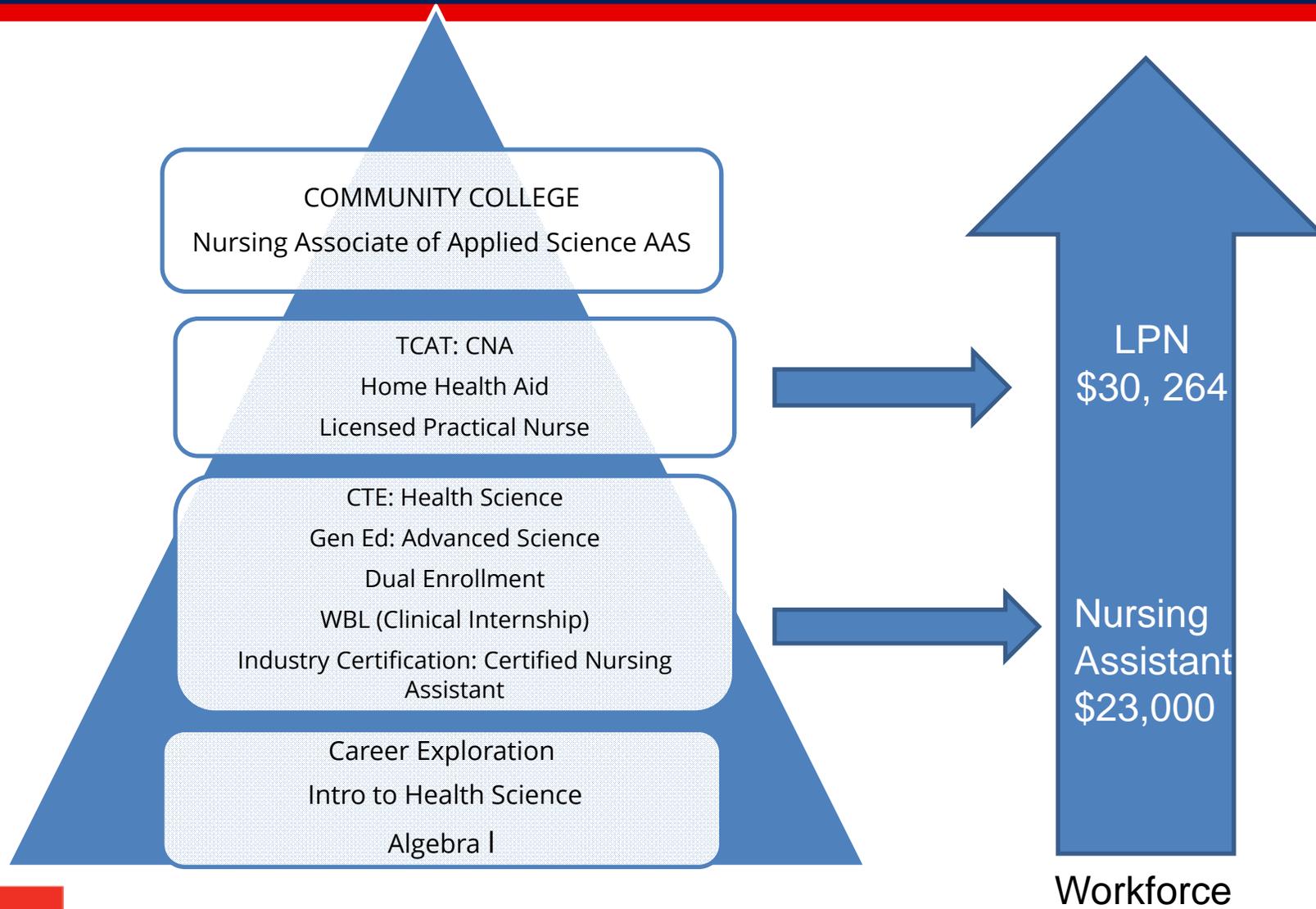
# Stackable Credentials



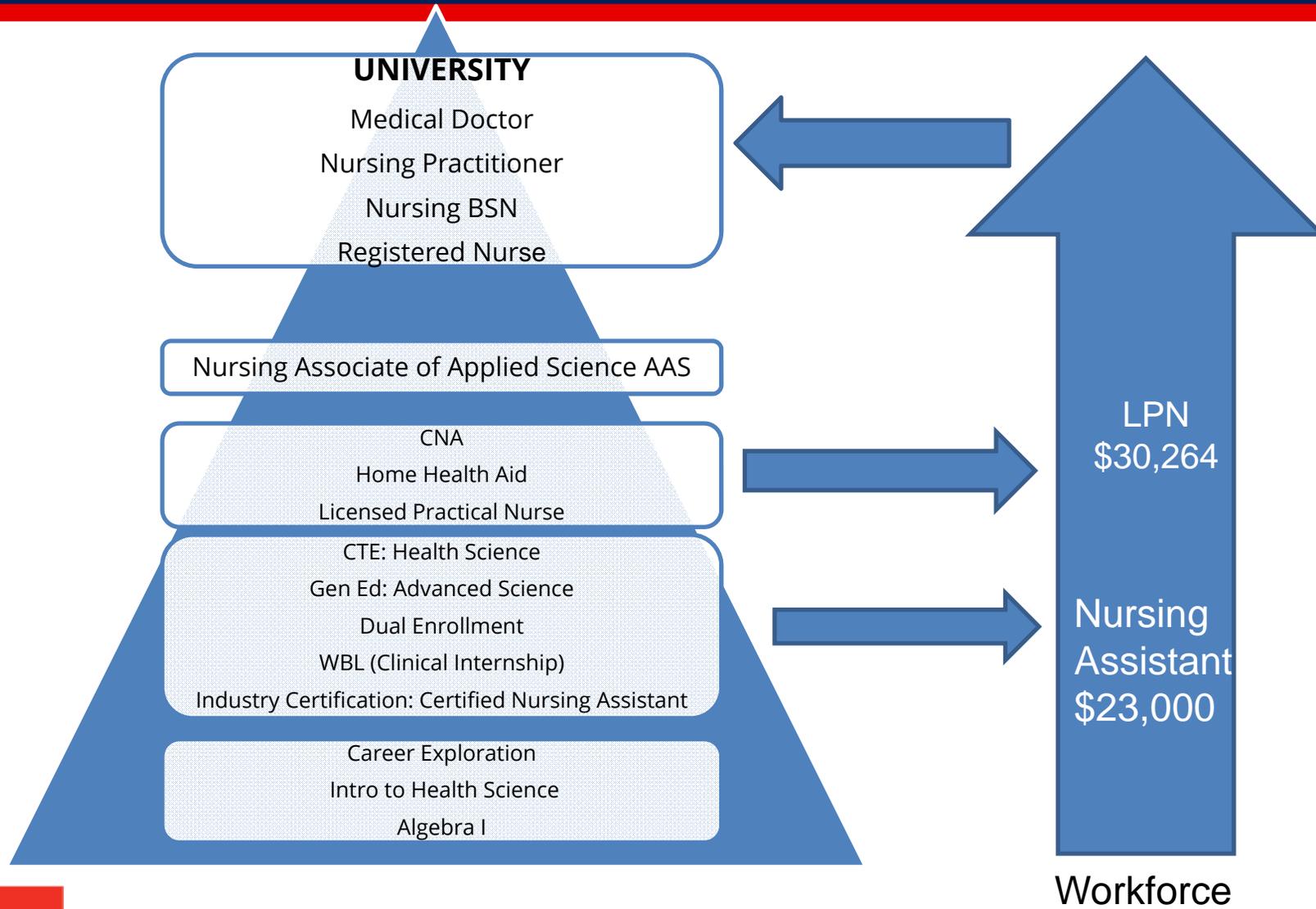
# Stackable Credentials



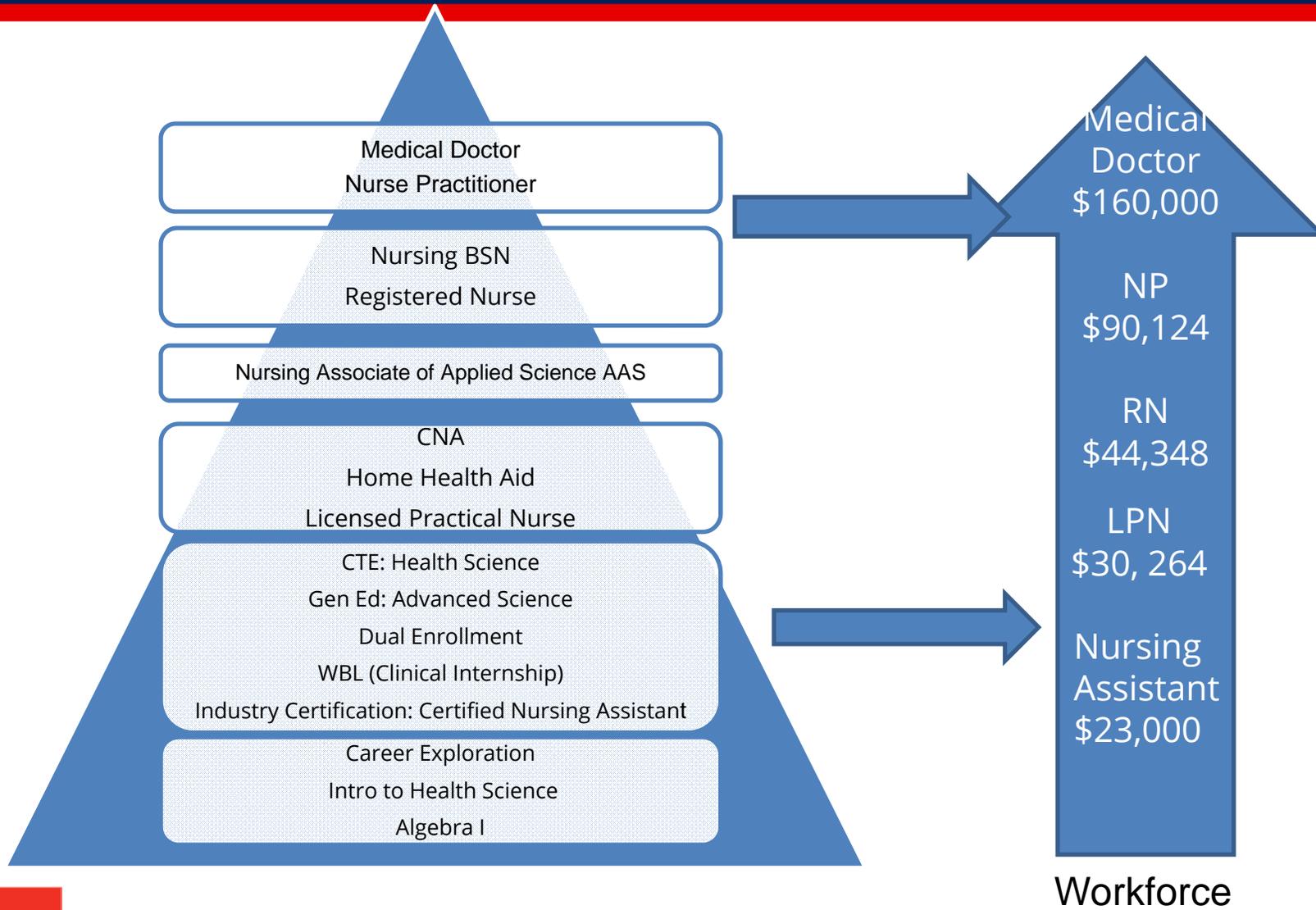
# Stackable Credentials



# Stackable Credentials



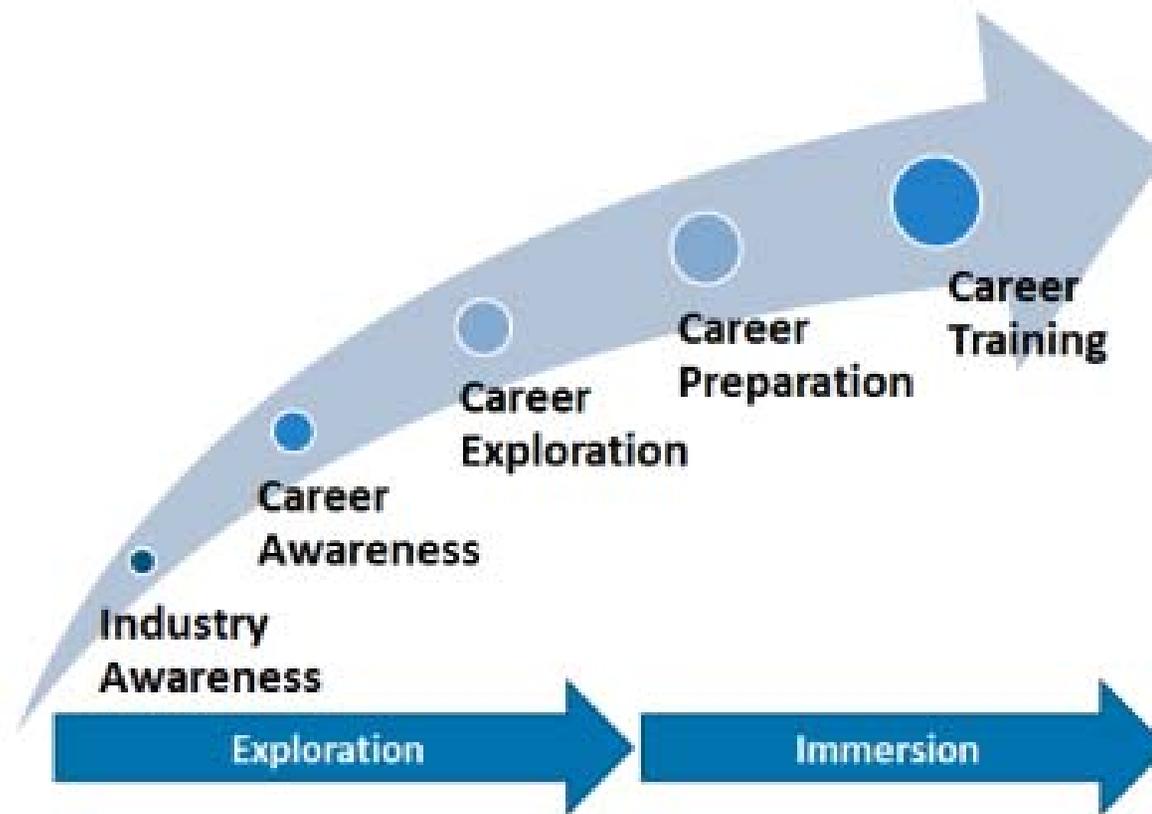
# Stackable Credentials



# CollegeforTN.org

The screenshot shows the CollegeforTN.org website with a navigation bar at the top containing a home icon and links for CAREER PLANNING, HIGH SCHOOL PLANNING, COLLEGE PLANNING, FINANCIAL AID PLANNING, and YOUR PORTFOLIO. The main content area features a 'COLLEGE APPWEEK' banner for September 29 - October 3, 2014. Below this is a 'WHO ARE YOU?' section with user role selection options: MIDDLE SCHOOL STUDENT, HIGH SCHOOL STUDENT, COLLEGE STUDENT, ADULT LEARNER, PARENT, and EDUCATOR. To the right is a 'SIGN IN' form with fields for account name and password, a 'SIGN IN' button, and links for account creation and password recovery. Further down are 'RESOURCES' and 'COLLEGE PAYS' sections. At the bottom, there are three promotional boxes: 'TN PROMISE MENTORS' with 'TN Promise Mentor Resources' and 'TN Achieves' links; 'PAWS IN JOBLAND' with 'CAREER FUN FOR K-5 STUDENTS' and a dog illustration; and 'TENNESSEE PROMISE' with the Tennessee Promise logo and 'Learn more about financing your college education in the state of Tennessee!' text. A 'GO' button is present in each of these three boxes. Social media icons for Facebook and Twitter are located at the bottom right of the page.

# Work-based Learning Opportunities



# Addressing Common Misconceptions

- **Courses can count toward both an elective focus AND a graduation requirement.**
  - State policy allows “double-dipping,” but it could be prohibited by your local school board. Please confirm if a policy exists explicitly forbidding this type of scheduling. It is allowed by the Tennessee State Board of Education.
- **A student is able to complete an elective focus without finishing a complete CTE Program of Study course sequence.**
  - Students only need to complete three credit hours to become a CTE concentrator as well as complete their elective focus. Credits may be earned in a Program of Study (preferred) or in a Career Cluster.
- **Students should consider how their general education requirements interact with their course choices for elective focus.**
  - Many elective focus courses have prerequisites or co-requisites. Students and parents should have access to this information to be able to look ahead to plan courses selections for their entire high school career.

# Addressing Common Misconceptions

- **Work-based learning credit hours can count toward an elective focus.**
  - If a work-based learning course is in a Program of Study, the credit earned will fulfill one of the three credits for the elective focus.
- **Any student is allowed to take a CTE course. Students are not required to take a full program of study.**
  - Career preparation should be for ALL students and ALL careers. CTE courses can be used to supplement other elective focus areas, based on student interest.
- **CTE Courses are for all students, regardless of their postsecondary plans.**
  - All programs of studies lead to postsecondary training, including Technology Centers, Community Colleges, four-year Universities, and on-the-job training and apprenticeships.

# Potential Barriers to Student Success

- Programs of Study are dead ends
  - No offering at local postsecondary
  - No local jobs in that area
- No additional opportunities
  - Early Postsecondary
  - Work-Based Learning
  - Industry Certification Testing

# Next Steps and Resources

- Review local policies regarding graduation requirements
- Work with your colleagues (CTE Director, counselors, counselors at feeder middle schools) to plan your LEA and/or your school's offerings
- Review new/revised courses
- Identify programs of study/courses that meet multiple graduation requirements, offer early postsecondary opportunities, or contain work-based learning experiences
- Create/use materials to help your students and their families develop a long-term plan for successful completion of a robust pathway

# Candi Norwood

## Director of Student Success

[Candi.Norwood@tn.gov](mailto:Candi.Norwood@tn.gov)

(615)532-6248