

Purpose of This Guide

This course guide provides:

- A course description
- Ways to get help
- An explanation of the AES course framework
- Estimated curriculum hours for each part of every module in the course template

Patient Care Technician

The **Patient Care Technician** course template prepares students who have a foundation in health science to gain multiple proficiencies, including nurse assistant, phlebotomy, and electrocardiography. The curriculum accommodates a unique range of classroom scenarios and is adaptable to the needs of each school.

To be successful in today's continually changing health care industry, students must be able to learn and apply an ever-increasing breadth of knowledge. Students need to understand the clinical and interpersonal aspects of care and develop the ability to apply them. They must also recognize that the role of a health care professional requires the highest standards in work ethic and personal responsibility. The HealthCenter21 curriculum can help meet those needs.

Getting Help

An important aspect to your success is getting the proper support when you need it. Applied Educational Systems has over 30 years of experience providing classroom resources to teachers and students. Throughout this time, we have taken great pride in our top-notch customer service. We can help you get start and be successful in several ways:

- **AES Learning Center** – The AES Learning Center is a library of resources to help you save time in your classroom and use AES in the way that best suits you and your students. The library is easy to search and is frequently updated.
- **AES Support** – Use our live chat, email, or telephone support if you have questions.
- **AES Educator Community on Facebook** – The AES Educator Community is a place for AES users to ask questions, discuss teaching strategies, share resources and support each other. If you want to collaborate with other AES teachers, this is the place for you!
- **Email Newsletter** – We have a newsletter for all AES Customers to help keep you informed about updates.

Course Framework

The AES course framework is organized into a specific learning plan that we refer to as “the four phases.” The four-phase learning plan is designed to maximize student understanding while also saving you time with planning. The curriculum is taught with a combination of lectures, hands-on activities, and computer-based learning.

The four phases of the AES curriculum are listed below.

Explore (teacher-led activities)

- Hook students’ interests
- Prime students for learning new concepts and skills
- Examples include role-play scripts, equipment demonstrations, other activities to introduce topics and initiate classroom discussion

Learn & Practice (student-directed activities)

- Self-paced, interactive eLearning lessons
- Heart of the AES curriculum, where most standards are covered and learning takes place
- Students examine content, may practice skills, and complete assessments
- Teacher resources, including lesson plans, PowerPoints, and quiz and test keys

Reflect (teacher-led activities)

- Review and discuss key ideas from the eLearning lessons
- Help students connect new concepts to existing knowledge and experience
- Short essay prompts mix academic skills related to language arts and writing

Reinforce (teacher-led/student-directed activities)

- Individual and group student projects that enhance understanding of concepts and skills
- Require student application of module concepts
- May take one or several class periods (suggested hours listed in the Curriculum Hours table)
- May include rubrics for assessing projects

Detailed descriptions of Explore, Learn & Practice Units, Reflect, and Reinforce are in the Lesson Plans, which are available in the Teacher Resource area for each module.

Curriculum Hours

The following table is provided for you to easily identify the number of estimated curriculum hours for the four phases of each module.

NOTE:

- A “curriculum hour” is equal to approximately 45-50 minutes.
- Your times may vary depending on the age and experience of the learner.
- Learn & Practice hours include 1 curriculum hour of eLearning per unit and 1 curriculum hour for the Module Test, unless otherwise noted.
- The times listed are for non-customized modules.

| Module Description | Explore hours | Learn & Practice hours | Reflect hours | Reinforce Projects hours |
|--|---------------|----------------------------------|---------------|--|
| <p>The Health Assistant This module provides an overview of the role and responsibilities of health assistant occupations, including employment opportunities, educational requirements, professionalism, scope of practice, confidentiality, informed consent, ethics, infection control, and safety precautions.</p> | 1 | 7 - eLearning 1 - Module Test | 1 | 4 – Job Search 3 – Self-Portrait 1 – Current Event Report |
| <p>Body Mechanics This module provides students an overview of the correct ways to move the body to prevent injuries to themselves and patients.</p> | 1 | 5 - eLearning 1 - Module Test | 1 | 3 - Body Mechanics Jive 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Admissions, Transfers, and Discharges This module provides an overview of the procedures that take place when a client enters, transfers, and leaves care, including initial health evaluation and documentation, adult and pediatric vital signs, caring for patients' belongings, and the transfer and discharge of patients.</p> | 1 | 4 - eLearning 1 - Module Test | 1 | 4 - Admissions Facility Tour 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Special Populations This module provides an overview of caring for unique patient population groups. Students learn about illnesses and disorders common to these groups, discover ways to adapt care, and explore methods of establishing positive relationships with patients. Students also learn about the proper use of and alternatives to patient restraints.</p> | 1 | 7 - eLearning 1 - Module Test | 1 | 4 - Activity Calendar 4 - Culture Fair 1 - Current Event Report |

| Module Description | Explore hours | Learn & Practice hours | Reflect hours | Reinforce Projects hours |
|---|----------------------|---|----------------------|--|
| <p>Patient Comfort This module provides an introduction to procedures related to personal patient care. Students learn both morning and evening care procedures and how to observe patients for abnormalities and document and report those findings.</p> | 1 | 11 - eLearning 1 - Module Test | 1 | 3 - Mentoring Challenge 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Nutrition and Elimination This module provides an overview of how nutrition and elimination are related to the overall health of the patient. They learn how to assist patients with meals and meeting elimination needs, and they measure and record intake and output.</p> | 1 | 7 - eLearning 1 - Module Test | 1 | 4 - Creating a Meal Plan 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Rehabilitation & Restorative Care This module provides an overview of how to promote patient independence. Students learn to teach activities of daily living, to assist patients in using ambulation devices, to perform range of motion exercises, to apply heat and cold applications and binders, to help with deep breathing and coughing exercises, and to apply elasticized stockings.</p> | 1 | 8 - eLearning 1 - Module Test | 1 | 4 - Recruitment Commercial 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>The Surgical Patient This module provides an overview of the care needed by patients before and after surgery, including preparing patients both physically and emotionally for surgery and recognizing and reporting infection after surgery.</p> | 1 | 5 - eLearning 1 - Module Test | 1 | 3 - Kids' Craft 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Specimen Collection and Testing This module provides an overview of the guidelines and safety precautions for handling specimens and CLIA-waived tests. Students practice common procedures for collecting stool and urine specimens, strain urine, and perform common tests. They explore cultures, smears, and stains and practice taking throat, wound, and sputum specimens.</p> | 1 | 5 - eLearning 1 - Module Test | 1 | 3 - Cleaning Experiment 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Phlebotomy This module provides an overview of how to collect blood specimens using venipuncture and fingerstick techniques.</p> | 1 | 4 - eLearning 1 - Module Test 1- Draw in Order Game | 1 | 3 - Blood-Typing 4 - Patient Care Scenarios 1 - Current Event Report |
| <p>Electrocardiography This module provides an overview of how to conduct a routine 12-lead ECG and recognize related diagnostic cardiac tests. Students examine the anatomy of the heart and the electrical conduction pattern for the cardiac cycle. Then they classify leads and learn how ECGs work.</p> | 1 | 6 - eLearning 1 - Module Test 1 - ECG Technician Game | 1 | 3 - Healthy Heart Poster 4 - Patient Care Scenarios 1 - Current Event Report |