

Applied Medical Science

2026-2027

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Location	NCTA 260	Website	https://www.nwtech.k12.wa.us
CIP Code / Framework	511614		

DUAL CREDIT / ARTICULATION INFORMATION

This class is a CTE Dual Credit class. Students seeking to earn college credit must follow the CTE Dual Credit application and enrollment processes using this site for guidance: [Apply for Dual Credit](https://www.skagit.edu/academics/high-school-programs/cte-dual-credit/apply.html) (<https://www.skagit.edu/academics/high-school-programs/cte-dual-credit/apply.html>). Students must apply and enroll at SVC within the specified deadlines to earn dual credit (below). Students cannot obtain credit retroactively.

Earning dual credit is free and there is no cost for the student or family.

The following steps will be done in class with assistance from NCTA instructors:

YEARLONG COURSE CTE DUAL CREDIT TASKS & DEADLINES	
On or before October 30, 2026	Apply to SVC via CTCLink
On or before January 7, 2027	Enroll in Dual Credit Class(es)

Institution	College Course & Number	Credits	Registration / Enrollment Process
SVC	NURS 100 Classroom	4	Dual credit
SVC	NURS 101 Clinical	3	Dual credit
SVC	NURS 102 Lab	1	Dual credit
SVC	AHE 101 Intro to Allied Health	4	Dual credit
SVC	AHE 106 Anatomy and Physiology	6	Dual credit

Dual-credit eligibility: Students must earn a final grade of B (3.0) or higher in all courses required by the articulation agreement and complete all required skills/competencies identified on the applicable competency profile.

COURSE DESCRIPTION & LEARNING OUTCOMES

High School Course Description

Applied Medical Science introduces students to the medical field, with an emphasis on knowledge and skills applicable to many medical occupations. Students explore medical careers in their areas of interest, as well as in targeted high demand fields for future job openings.

Students who successfully complete all course work, and participate in a 50-hour clinical practicum, *may be eligible* to test for Washington State Nursing Assistant Certified (NAC), at the end of the year-long program.

College Core / Course Learning Outcomes

- Demonstrate basic Nursing Assistant skills in the campus lab and clinical environment.
- Describe the Nursing Assistant role within the long-term care environment.
- Identify techniques of therapeutic communication.
- Identify ethical and legal behaviors and responsibilities of the Nursing Assistant.
- Show understanding of the basic types and functions of health care facilities.
- Discuss the importance of effective observation and communication skills, including proper use of medical terminology and abbreviations.
- Demonstrate proper safety and emergency procedures.
- Demonstrate the importance of proper body mechanics and proper positioning.
- Describe both physical and chemical restraints, OBRA regulations regarding the use, negative results of their use and alternatives.
- Identify infection control principles and techniques to prevent the spread of infection including, but not limited to, Hepatitis, MRSA, UTI's and various pathogens.
- Demonstrate all basic personal care skills prior to and during clinical rotation. (NACES list as minimal requirement)
- Show understanding of restorative skills, as well as environmental factors that promote an optimal level of client function, individualizing care to consider the individual's cultural, religious, diagnostic and developmental differences.
- Discuss alternative diets and the importance of proper nutrition, fluid balance, and bowel function.
- Discuss basic body systems and common disease processes, and required adjustments in care.
- Communicate understanding in caring for a resident and their family when death is imminent.

Instructional Competencies of the Course

Basic Nursing Assistant skills related to physical and psychological needs. Nursing Assistant role and responsibilities within the long-term care environment.

1. Therapeutic and non-therapeutic communication and the Nursing Assistant/client relationship.
2. Ethical and legal behaviors and responsibilities. Basic types and functions of health care facilities.
3. Effective observation and communication skills; proper safety and emergency procedures.
4. Physical and chemical restraints and OBRA regulations; proper body mechanics and positioning.
5. Infection control principles and techniques; basic personal care skills for clinical.
6. Restorative skills, environmental factors, and considering the cultural, religious, diagnostic and developmental differences of the individual.
7. Alternative diets, proper nutrition, fluid balance and bowel function; basic body systems and common disease processes.
8. Caring for a resident and their family when death is imminent.
9. Study of the structure and function of the multiple systems of the human body. Study how the body systems are interdependent in maintaining homeostasis. Develop an understanding of how cultural influences may alter the external appearances and internal functioning of different populations. Significant laboratory component required.

BOOKS, MATERIALS & COURSE RESOURCES

Resource / Material	Required?	Provided by
<i>The Nursing Assistant Essentials of Holistic Care</i>	<i>Required</i>	NCTA
Canvas LMS	<i>Required</i>	NCTA
NNAAP Skills Handbook	<i>Required</i>	NCTA
AHA BLS for Healthcare Providers book	<i>Required</i>	American Heart Association

CTE DUAL CREDIT - BENEFITS, RESPONSIBILITIES & REGISTRATION

CTE Dual Credit allows eligible students in approved high school Career and Technical Education courses to earn college credit upon completion of the applicable partner college requirements. **Students must complete the registration/enrollment process during the required timeline; retroactive credit is not available.**

Use the applicable college block(s) below; delete non-applicable blocks before publishing

SKAGIT VALLEY COLLEGE (SVC)

This class is a CTE Dual Credit class. Students seeking to earn college credit must follow the CTE Dual Credit application and enrollment process. Students must enroll at SVC within the specified timelines to earn credit; credit cannot be awarded retroactively. Earning SVC dual credit is free, and there is no cost to the student or family.

Current SVC application/enrollment link: [\[Insert current "Apply for Dual Credit" link\]](#)

EVALUATION & GRADING

NCTA courses use a grading system that measures technical skill development, employability habits, and academic learning. Grades are based on the work students complete, the skills they demonstrate, and the program's professional expectations.

Program Grading Categories

Template note: Keep only the course-credit columns that apply to this program.

Occupational Education	Technical English	Lab Science
Skills	60% Summative Assessment	60% Summative Assessment
Employability	40% Assignments	40% Assignments

NCTA Course Grade Scale

A	93% or above	C	73-77.9%
A-	90-92.9%	C-	70-72.9%
B+	88-89.9%	D+	68-69.9%
B	83-87.9%	D	60-67.9%
B-	80-82.9%	NC	59.9% and below
C+	78-79.9%		

CTE Dual Credit Minimum Grade & GPA Conversion

Students must earn a B or higher to earn CTE Dual Credit. The partner-college templates use the following percentage-to-GPA conversion:

Letter Grade	% of Points	GPA
A	94-100	4.0
A-	90-93	3.7
B+	87-89	3.3
B	83-86	3.0
B-	80-82	2.7
C+	77-79	2.3
C	73-76	2.0
C-	70-72	1.7
D+	67-69	1.3
D	65-66	1.0
F	0-64	0.0

MAJOR UNITS, ASSIGNMENTS & ASSESSMENTS

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Unit	Assessment	Leadership	Other Information
Anatomy & Physiology	Exam, Dissection		
Legal & Ethical	HIPAA Certification, Exam, Essay		
Rehab/restorative Care	Demonstration, Workplace Education		
Infection Control	BBP training, PPE, Asepsis Demonstration		
Activities of Daily Living	Lab Skills, Demonstration, written exam		
Special Populations	Written Exam, Role Playing		

ATTENDANCE & PROFESSIONAL EXPECTATIONS

Attendance Policy

The Northwest Career & Technical Academy (NCTA) views attendance much like business and industry: students are considered professionals-in-training and are expected to attend each day fully to maximize learning and productivity. While occasional absences are inevitable, please prioritize regular attendance. Please see the student handbook. If a problem arises with health, food, transportation, housing, or any other barrier, please contact the school or district so that support can be provided.

Professional Expectations (Behavioral)

Students are expected to follow applicable laws and the behavior expectations of the school district, NCTA, and the specific program. NCTA students are professionals-in-training and are expected to demonstrate habits that prepare them for success in school and industry.

Communicative	Stay in touch, ask for help, and use professional language.
Motivated	Put in your best effort, participate, and meet deadlines.
Reliable	Attend regularly, be on time, and engage in all class activities.
Responsible	Keep spaces tidy, stay focused, and dress appropriately for the program.
Team Member	Work well with others, show a positive attitude, and follow procedures.
Trustworthy	Care for equipment, use technology appropriately, and act with integrity.
Feedback / Coachable	Receive feedback professionally and use it to improve performance.

Late Work Policy

Students may submit late work until the instructor's final deadline. Work submitted by that date will be graded for credit based on the assignment's quality and the program's standards. After the final deadline, assignments will not be accepted unless the instructor has approved an extension due to documented circumstances. Instructors will clearly communicate deadlines, including the final submission date. Students are responsible for checking timelines, staying on track, and reaching out for help when needed.

Industry/Course Specific Items

Safety / PPE Requirements	<i>BBP, OSHA, BLS, HIPAA</i>
Field Trips / Clinical / Worksite Learning Expectations	<i>50 hr Clinical Practicum</i>
Technology / Device Expectations	<i>Acceptable use policy</i>
Communication / Office Hours / Help	<i>Email is best method of communication, office hours 0730-0800 and 1400-1430 M-F</i>
Additional Program-Specific Policies	<i>Must provide criminal background check and proof of negative TB</i>

ACADEMIC INTEGRITY & GENERATIVE AI

Students are expected to submit only their own work and avoid cheating, plagiarism, fabrication, or other academic dishonesty. This includes submitting answers that are not your own on quizzes or exams, using unauthorized devices or materials, unauthorized communication during testing, or helping another person engage in academic dishonesty. Accidental or intentional use of another person's work, ideas, research, or writing without attribution may result in a failing grade on the assignment or, depending on the nature and extent of the violation, a failing grade in the course.

Generative AI tools (for example, ChatGPT, DALL-E, Gemini, or Claude) may be used to generate ideas and organize thoughts when permitted by the instructor, but they should not replace student work. Students are responsible for analyzing and fact-checking AI-generated results. AI use should be minimal, appropriate to the assignment, and cited when used. Using AI to replace student work, using it for the majority of an assignment without permission, or failing to cite AI use when required will be treated as plagiarism.

Course-specific AI expectations:

ACCESSIBILITY, SYLLABUS CHANGES & NONDISCRIMINATION

Students with an IEP or 504 Plan who wish to earn college credit in this class through SVC should note that approved high school accommodations and modifications may not always apply to a class that also offers college credit. While both high schools and colleges must ensure that students with disabilities have equal access to educational opportunities, they are governed by different disability laws. **Students using a modified curriculum are not eligible to receive college credit.**

Please reach out to the SVC Disability Access Services for more info.

[SVC Disability Access Services](#)

Changes to the Syllabus

I have attempted to make this syllabus as comprehensive and accurate as possible, and I may occasionally need to make small adjustments during the term. I will announce any changes in class or notify students in writing with an updated syllabus posted to the NCTA website.

Equal Opportunity and Title IX Nondiscrimination - SVC

Skagit Valley College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment.

WABON Statement:

Student complaints about this nursing assistant training program can be filed with the Washington State Board of Nursing (WABON), formerly called the Nursing Care Quality Assurance Commission. [current web page link for filing a complaint](#)

Clinical Practicum:

Participation in clinical practicum is dependent on several factors, including but not limited to, timeliness in submitting necessary data, ATTENDANCE, grades in all NCTA courses, TB testing, behavior, criminal background check, instructor discretion and availability of clinical facility/staff. *Please note that clinical practicum is NOT required for High School credits or High School grades.*

In addition to the overall Academy expectations, in this classroom the following expectations are expected to be followed:

- **Scrubs are required unless specific prior arrangements have been made**
- **For health and safety reasons, this is a FRAGRANCE FREE healthcare setting.**
- **Students will treat the instructor, guests, other students and themselves with respect at all times.**
- **In accordance with MVSD School District and NCTA policy Cell Phone use is PROHIBITED IN CLASSROOMS. Do not have a cell phone out without permission for a legitimate and prearranged academic activity. Students will be provided with progressive discipline policy for cell phones/mobile devices. Please note medical devices, or cell phones used to control medical devices such as dexcom are ALWAYS permitted with an active health plan.**

- Generally speaking no food in the classroom, and the *school deli is not accessed during class time*. Students may have a beverage with a lid, and are encouraged to bring a water bottle. No drinks near lab or technology
- Piercings, other than one set of earrings must be removed for clinical practicum.
- Tattoos must be covered during clinical practicum.
- Students must be able to provide SSN and complete a Washington State Patrol Background Check.
- Individual facilities will likely require students to submit to disease monitoring (covid, flu, rsv tests) per clinical facility policy. This is done at the facility at no cost to students.
- No acrylic, gel, or press on nails *during clinical practicum*. This is a health and safety issue.
- TB screening at their own expense for any student participating in any clinical practicum BEFORE the start of semester 2.. We cannot legally waive this requirement.
- *During clinical practicum* hair must be one color only, must be a naturally occurring color. (doesn't have to be *your* natural color before clinical practicum this spring. No bright reds, pinks, blues, greens, etc. Sorry, no exceptions. This is an SVC and NCTA policy)
- Students failing to maintain a B average in Semester 1 may not be considered for clinical practicum placement in Semester 2 pending Academic Review to include Parent, Instructor, Student and Administration.

Professional and Community Experience:

Qualifying students will be completing a 50 hour clinical experience at a local Long Term Care facility or Hospital. In order to complete all required hours, some hours are completed during the school day and others must be completed on Saturdays. Last year, students were able to complete their hours by working TWO (2) Saturdays. Exact details on timing and location of placement will be available closer to the time of clinical practicum. Typically, clinical practicums are held between February and May, depending on availability of clinical site placement. Please do not make travel plans during this time except for Spring Break. (We do NOT hold clinicals during spring break or school holidays) Please let the instructor know IN WRITING of any travel plans that exist during this time. Forms will be available beginning in January.

Next Steps:

After successful completion of the Applied Medical Science Program, students have some great opportunities to continue their education or compete in the job market.

- Students will have satisfied some prerequisites for AHE and NURS programs at SVC.
- Students will be advised of many Financial Aid and Scholarship opportunities.
- Students will have satisfied all of the requirements for Nursing Assistant Program and be Job ready as a Washington State NAC
- Industry Certification in HIPAA
- Industry Certification in CPR/AED/First Aid for Healthcare Workers
- Industry Certification in HIV/AIDS for Healthcare Workers
- Students will be armed with a portfolio of documents including a resume to assist in their job search.