



BIOMEDICAL SCIENCE PROGRAM

CTE COURSE SEQUENCE

FOUNDATIONAL (9TH & 10TH)

- Principles of Biomedical Sciences - **S**
- Health Occupations
- Human Body Systems - **S**

TECHNICAL (11TH & 12TH)

- Medical Terminology - **S**
- Medical Interventions - **S**
- Pharmacy Technician - **S**
- Biomedical Innovation - **S**
- Cooperative Work Experience

ACADEMIC ELECTIVE CREDITS: **S** = SCIENCE **M** = MATH **LA** = LANGUAGE ARTS **SS** = SOCIAL STUDIES

ACADEMIC RIGOR

- Pre-Calculus with Trigonometry
- Chemistry
- Physics

STUDENT ORGANIZATION (CTSO)

- HOSA

CERTIFICATION

- CPR/First Aid
- PTCB

EARLY COLLEGE CREDIT OPTIONS

COLLEGE
CREDITS

DUAL ENROLLMENT

- Health Occupations 3 cr
- Medical Terminology 3 cr

AP (WITH PASSING SCORE ON AP EXAM)

- AP Calculus
- AP Biology
- AP Chemistry
- AP Physics

MAPPING YOUR 4-YEAR PLAN*

9TH GRADE		CREDITS	10TH GRADE		CREDITS
<input type="checkbox"/>	Principles of Biomedical Sciences - S	1 cr	<input type="checkbox"/>	Health Occupations	.5 cr
<input type="checkbox"/>	Algebra 1	1 cr	<input type="checkbox"/>	Human Body Systems - S	1 cr
<input type="checkbox"/>	English 1	1 cr	<input type="checkbox"/>	Electives	.5 cr
<input type="checkbox"/>	Biology	1 cr	<input type="checkbox"/>	Geometry	1 cr
<input type="checkbox"/>	Civics	.5 cr	<input type="checkbox"/>	English 2	1 cr
<input type="checkbox"/>	Health	.5 cr	<input type="checkbox"/>	Physical Science	1 cr
<input type="checkbox"/>	PE	1 cr	<input type="checkbox"/>	World History	1 cr
11TH GRADE		CREDITS	12TH GRADE		CREDITS
<input type="checkbox"/>	Medical Terminology - S	1 cr	<input type="checkbox"/>	Pharmacy Technician - S	1 cr
<input type="checkbox"/>	Medical Interventions - S	1 cr	<input type="checkbox"/>	Biomedical Innovation - S	1 cr
<input type="checkbox"/>	Algebra 2	1 cr	<input type="checkbox"/>	Advanced Math	1 cr
<input type="checkbox"/>	English	1 cr	<input type="checkbox"/>	English	1 cr
<input type="checkbox"/>	Science	1 cr	<input type="checkbox"/>	Science	1 cr
<input type="checkbox"/>	U.S. History	1 cr	<input type="checkbox"/>	U.S. Government	.5 cr
			<input type="checkbox"/>	AK History	.5 cr

*These are suggested courses to best prepare students for post-secondary transitions and credentialing. Actual courses may depend on school schedule availability and enrollment capacity. Some classes may be available at other locations through District-wide or course share options. Graduation requirements for number of credits and required courses are set at a district level and are subject to change. Talk to your counselor about your graduation requirements and to schedule your courses.

STACKABLE CREDENTIALS & DEGREES*

HIGH SCHOOL		COLLEGE	
<input type="checkbox"/>	Dual Enrollment	<input type="checkbox"/>	Occupational Endorsement Certificate in Certified Nurse Aide
<input type="checkbox"/>	Academic AP	<input type="checkbox"/>	Occupational Endorsement Certificate in Pharmacy Technology
INDUSTRY CERTIFICATION		<input type="checkbox"/>	Occupational Endorsement Certificate in Phlebotomist
<input type="checkbox"/>	CPR/First Aid	<input type="checkbox"/>	Associate of Applied Science in Diagnostic Medical Sonography
<input type="checkbox"/>	Physical Therapist	<input type="checkbox"/>	Associate of Applied Science in Medical Laboratory Technology
<input type="checkbox"/>	Pharmacy Technician Certification Board (PTCB)	<input type="checkbox"/>	Associate of Applied Science in Radiologic or Surgical Technology
<input type="checkbox"/>	Certified Occupational Therapy Assistant	<input type="checkbox"/>	Bachelor of Science in Nursing
<input type="checkbox"/>	Massage Therapy	<input type="checkbox"/>	Bachelor of Science in Medical Laboratory Science
<input type="checkbox"/>	Pharmacy Assistant/Technician	<input type="checkbox"/>	Graduate Certificate in Family Nurse Practitioner or Nursing
<input type="checkbox"/>	Medical Assistant	<input type="checkbox"/>	Education
APPRENTICESHIP		<input type="checkbox"/>	Master of Science in Nursing Science
MILITARY		<input type="checkbox"/>	Doctor of Nursing Practice in Nursing Science
<input type="checkbox"/>	Private Entity	<input type="checkbox"/>	U.S. Armed Forces

*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.