

Biomedical Science

Career Cluster Description: Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development							
Major Options							
<ul style="list-style-type: none"> Biochemistry Histology 		<ul style="list-style-type: none"> Nutrition Human Anatomy 		<ul style="list-style-type: none"> Pharmacology Human Physiology 		<ul style="list-style-type: none"> Pathology Human microbiology 	
Grade 9		Grade 10		Grade 11		Grade 12	
S1	S2	S1	S2	S1	S2	S1	S2
English 1	English 1	English 2	English 2	English Elective	English Elective	English Elective	English Elective
Physical Science	Physical Science	Biology	Biology	Anatomy & Physiology	Anatomy & Physiology	Chemistry	Chemistry
Civics	Health	World History	World History	U.S. History	U.S. History	U.S. Govern.	AK History
Algebra I	Algebra I	Geometry	Geometry	Algebra 2	Algebra 2	Advanced Math	Advanced Math
Customer Service	Intro to Career Pathways	P.E.	P.E.	Foundations in Biotechnology	Foundations in Biotechnology	Pharmacy Technician	Pharmacy Technician
Health Occupations	Elective	Intro to Pharmacy	Medical Math	Medical Terminology*	Medical Terminology*	Elective	Elective
Principles of the Biomedical Sciences	Principles of the Biomedical Sciences	Human Body Systems	Human Body Systems	Medical Interventions	Medical Interventions	Biomedical Innovation	Biomedical Intervention
Work-Based Learning Opportunities				Career-Technical Student Organizations (CTSO)		Certifications	
<ul style="list-style-type: none"> Apprenticeship Cooperative Education Job Shadowing 		<ul style="list-style-type: none"> Paid/Unpaid Internship School-Based Enterprise Service Learning 		<ul style="list-style-type: none"> SkillsUSA HOSA 		<ul style="list-style-type: none"> CPR/First Aid Certified Nursing Assistant PTCB Certification 	

POSTSECONDARY OPTIONS

Two-Year College or Proprietary Programs	Adult Registered Apprenticeships	Four-Year College and University Programs	Certifications	Licenses, On The Job Training, Training Certificates, etc.
<ul style="list-style-type: none"> Paramedical Technology Licensed Practical Nurse (LPN) Radiologic Technology Medical Laboratory Tech. Pharmacy Tech 	Department of Labor and Workforce Development, Office of Apprenticeship, email apprenticeship@alaska.gov or your local Alaska Job Center staff who will help you identify apprenticeable occupations and help you prepare for your future. You may also call (877) 724-2539	<ul style="list-style-type: none"> Chiropractic Law Registered Nurse Pre Med Pharmacy 	<ul style="list-style-type: none"> First Aid CNA Phlebotomist CPT 	<ul style="list-style-type: none"> Medical Assistant Pharmacy Technology

*College Credits may be available. [Click here for details.](#)