

Post-Baccalaureate Certificate in Pre-Medical Studies

The Post-Baccalaureate Certificate in Pre-Medical Studies prepares students for medical school (MD, DO, DPM and equivalent degree programs)

Admission Requirements

- Complete the Admission Requirements for Post-Baccalaureate Certificates (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/postbaccalaureate/>).
- Complete a baccalaureate degree with a cumulative grade point average (GPA) of 2.75.

Special Considerations

- Post-Baccalaureate certificates are subject to specific restrictions on the use of transfer credits. See Post-Baccalaureate Policies (<https://catalog.uaa.alaska.edu/undergraduateprograms/postbaccalaureaterequirements/policies/>) for details.
- Students who have not completed the necessary prerequisites for courses listed in the certificate requirements as part of their earlier baccalaureate degree program or other studies will need to complete those prerequisite courses in order to take the relevant courses listed in the certificate requirements.
- Students interested in the Post-Baccalaureate Certificate in Pre-Medical Studies should consult with a faculty member of the Alaska WWAMI School of Medical Education's Pre-Medical Advising Committee before enrolling in this program.

Graduation Requirements

- Complete the General University Requirements for Post-Baccalaureate Certificates (<http://catalog.uaa.alaska.edu/undergraduateprograms/postbaccalaureaterequirements/>).
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
Core Courses		
BIOL A242 or BIOL A252	Fundamentals of Cell Biology ¹ Principles of Genetics	3
CHEM A321	Organic Chemistry I	3
CHEM A441	Principles of Biochemistry I	3
Electives		
Complete 15 credits of electives from the following:		15
AKNS A201	Alaska Native Perspectives	
ANTH A202	Cultural Anthropology	
BIOL A108	Principles and Methods in Biology	
BIOL A242	Fundamentals of Cell Biology	

BIOL A243	Experiential Learning: Cell Biology and Genetics
BIOL A252	Principles of Genetics
BIOL A310	Principles of Animal Physiology
BIOL A412	Behavioral Endocrinology
BIOL A413	Neurophysiology
BIOL A452	Human Genome
BIOL A471	Immunology
BIOL A498	Individual Research ²
BIOM A418	Human Gross Anatomy
CHEM A105	General Chemistry I
CHEM A105L	General Chemistry I Laboratory
CHEM A106	General Chemistry II
CHEM A106L	General Chemistry II Laboratory
CHEM A322	Organic Chemistry II
CHEM A323L	Organic Chemistry Laboratory
CHEM A442	Principles of Biochemistry II
CHEM A498	Individual Research ²
DN A475	Advanced Nutrition
HS A370	Medical Sociology
HS/NS A433	Health Education: Theory and Practice
JUST A310	Forensic Science and Criminal Justice
JUST A366	Substance Use and Crime
MATH A151	College Algebra for Calculus
MATH A251	Calculus I
MATH A252	Calculus II
MATH A314	Linear Algebra
MBIO A340	Microbial Biology
MBIO A342	Experiential Learning: Microbial Biology
MBIO A410	Microbial Physiology
MBIO A420	Pathogenic Microbiology
MBIO A421	Experiential Learning: Pathogenic Microbiology
MBIO A452	Microbial Genetics
MBIO A462	Virology
PHIL A302	Biomedical Ethics
PHYS A123	College Physics I
PHYS A124	College Physics II
PSY A111	Introduction to Psychology
PSY A150	Lifespan Development
PSY A345	Abnormal Psychology
PSY A370	Behavioral Neuroscience
PSY A498	Individual Research ²
SOC A101	Introduction to Sociology
SOC A363	Social Stratification
SOC A377	Sociology of Gender

SOC A408	Sociology of Race and Ethnicity
STAT A253	Applied Statistics for the Sciences
SWK A342	Human Behavior in the Social Environment
SWK A409	Introduction to Child Welfare
WSGS A200	Introduction to Women's and Gender Studies
Total	24

¹ *BIOL A242 and BIOL A252 can only count towards the credit requirement in one area. They cannot be counted towards both the core requirement and the elective credit requirement.*

² *In combined total, no more than 6 credits of BIOL A498, CHEM A498, PSY A498, can count toward the 24 credits required for graduation; however, more can be taken.*

A minimum of 24 credits is required for the certificate, of which 15 credits must be upper-division.

Students graduating with a Post-Baccalaureate Certificate in Pre-Medical Studies will be able to:

- Demonstrate an understanding of the core concepts in organic chemistry, biochemistry, genetics, including molecular genetics, and cell biology.
- Demonstrate an understanding of the core concepts associated with the disciplines that are assessed as part of the Medical College Admissions Test, MCAT
- Demonstrate the successful completion of the majority of the pre-requisite courses required for admission to the MD program administered by the Alaska WWAMI School of Medical Education.