

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 (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/postbaccalaureate/>).
- Complete a baccalaureate degree with a minimum cumulative GPA of 2.75.
- Submit a letter of recommendation from a faculty member of the Alaska WWAMI School of Medical Education's Pre-Medical Advising Committee to the UAA Office of Admissions.

Special Considerations

- Post-Baccalaureate certificates are subject to specific restrictions on the use of transfer credits. See Post-Baccalaureate Policies (<http://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. A letter of recommendation will be provided to interested students following this consultation.

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 |

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| 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 ² |
| HS A370 | Social and Cultural Determinants of Health |
| 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 or MATH A251F | Calculus I F.A.T. Calculus I |
| MATH A252 or MATH A252F | Calculus II F.A.T. Calculus II |
| MATH A314 | Linear Algebra |
| MBIO A340 | Microbial Biology |
| MBIO A342 | Experiential Learning: Microbial Biology |
| MBIO A410 | Microbial Physiology |
| 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 | Psychopathology |
| PSY A370 | Behavioral Neuroscience |
| PSY A498 | Individual Research ² |

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| 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 A335 | Human Behavior in the Social Environment |
| SWK A409 | Introduction to Child Welfare |
| WSGS A200 | Introduction to Women's and Gender Studies |
| Advisor approved elective | |
| 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, and PSY A498 can count toward the 24 credits required for graduation. Additional credits can be taken but will not count toward this certificate.

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

Program Student Learning Outcomes

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 that is administered by the Association of American Medical Colleges.
- 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.