

PRE-PROFESSIONAL

Pre-Professional Curricula

Students expecting to qualify for admission into schools of medicine, dentistry, pharmacy, optometry, physical therapy, occupational therapy, theology, education, law, journalism, engineering, or veterinary medicine are urged to study carefully the particular requirements of the institutions from which they wish to obtain a degree.

Since society imposes leadership responsibilities on professionally trained people, professional schools recommend that pre-professional training should not be highly specialized but should stress 1) proficiency in language, 2) broad cultural background in the liberal arts or humanistic studies and in the social and behavioral sciences, and 3) completion of some basic science courses and familiarity with the use of the scientific laboratory method.

Associate of Arts and Business Degree Pre-Law

There is no prescribed or required set of courses for prelegal work. Students must have a B.A. or B.S. degree before beginning the professional study of law. There are no restrictions as to the field in which the degree is earned.

Generally, the objective of prelegal study is to acquire a background useful in the study and practice of law. College study should prepare the student for law school by developing language comprehension and use, understanding of political, economic, social, and cultural institutions, and the ability to think logically and creatively. Courses promoting these objectives are included in the basic requirements for most undergraduate degrees. The choice of a major should be determined by the student's academic interest and professional objectives in law. Subjects providing a valuable background for the study or practice of law include accounting, business administration, economics, English, history, language, philosophy, political science, psychology, and sociology.

There are two major directions to obtain a prelaw degree: business or social science.

Associate of Business Degree Pre-Law (Business)

This is a transfer degree.

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
Laboratory Science.....	8
MATH 2350 Business Calculus I	4
MATH 2355 Business Calculus II	4
2. Communication	
CO/M 1010 Public Speaking	3
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
Human behavior	3
U.S. and Wyoming constitutions	3
Cultural environment	3

4. General Education Electives
Must be chosen from areas 1, 2, or 3 above;
no more than 15 credits in any one area.
5. Physical Education 1

Major Requirements

ACCT	2010	Principles of Accounting I	4
ACCT	2020	Principles of Accounting II	4
BADM	2010	Business Law I	3
BADM	2340	Business Organizations and Government Regulations	or
BADM	2350	Commercial Law.....	3
IMGT	2400	Intro to Information Management	3
ECON	1010	Principles of Macroeconomics.....	3
ECON	1020	Principles of Microeconomics.....	3
MGT	2100	Principles of Management.....	3
MKT	2100	Principles of Marketing.....	3
STAT	2050	Fundamentals of Statistics	or
STAT	2070	Introductory Statistics for Social Science.....	5

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF BUSINESS DEGREE.

Associate of Arts/Associate of Science Degree Pre-Law (Social Sciences)

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
Laboratory science	4
MATH 1000 Problem Solving	or
MATH 1400 Pre-Calculus Algebra	3-4
2. Communication	
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
Human behavior	3
U.S. and Wyoming constitutions	3
World language	8
4. General Education Electives Must be chosen from areas 1, 2, or 3 above; no more than 15 credits in any one area.	
5. Physical Education	1

Major Requirements

Coursework should be selected from the following in consultation with an academic advisor: ANTH 1200, CO/M 1010, CO/M 1030, COSC 1200, CRMJ 2350, any ECON, any ENGL, any HIST, any MATH, any PHIL, any POLS except 2130, PSYC 1000, any STAT, any science.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS OR ASSOCIATE OF SCIENCE DEGREE.

Associate of Arts/Associate of Science Degree Pre-Dentistry or Pre-Medicine

Pre-professional degree programs are designed to prepare students for entry into a bachelor degree program and then into their identified area of professional schooling. It is necessary for pre-professional students to work closely with an academic advisor to ensure that the requirements of the identified professional school(s) are met. For each pre-professional student, the degree program will be modified to provide the student with coursework that will best prepare them for their future studies and professional practice. Students expecting to qualify for admission into professional schools are urged to study carefully the particular requirements of the institution from which they wish to obtain a degree. Since society imposes leadership responsibilities on professionally trained people, most professional schools recommend that pre-professional training should stress 1) proficiency in language, 2) broad cultural background in the liberal arts or humanistic studies and in the social and behavioral sciences, and 3) completion of some basic science course and familiarity with the use of the scientific laboratory method.

This is a transfer degree program.

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
BIOL 1000 Introduction to Biology I	or
BIOL 1010 General Biology I	4
BIOL 2022 Animal Biology	or
BIOL 2023 Plant and Fungal Biology	or
MOLB 2210 General Microbiology	4
Mathematics	6
2. Communication	
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
Human behavior	3
U.S. and Wyoming constitutions	3
Cultural environment	3
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above;	
no more than 15 credits in any one area.	
5. Physical Education	1

Major Requirements

CHEM	1025	Chemistry I	3
CHEM	1028	Chemistry Laboratory I	1
CHEM	1035	Chemistry II	3
CHEM	1038	Chemistry Laboratory II	1
PHYS	1110	General Physics I	4
PHYS	1120	General Physics II	4
		*World language	8
		Electives	8

* Students should refer to the requirements of their professional school or transfer institution.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS OR ASSOCIATE OF SCIENCE DEGREE.

Associate of Arts/Associate of Science Degree Pre-Occupational Therapy

The pre-occupational therapy program at Casper College is designed to prepare students to transfer to a professional program at another institution and is not a certified occupational therapy assistant (COTA) program. Casper College has a partnership with the University of North Dakota providing students the opportunity to earn an entry-level Master's degree in Occupational Therapy while remaining on the Casper College Campus. Casper College students will work with a Casper College advisor prior to applying for entry to this program. The University of North Dakota MOT Program - Casper College site - is located in the Loftin Life Science Building, (307) 268-2613

Students planning to transfer to schools other than UND should contact those schools to obtain transfer requirements, and should notify the pre-OT advisor so that appropriate course selections are made.

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
BIOL 1000 Introduction to Biology I	4
CHEM 1005 Basic Chemistry I	3
CHEM 1006 Basic Chemistry Lab I	1
Mathematics	3
2. Communication	
CO/M 1010 Public Speaking	3
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
SOC 1000 Introduction to Sociology	3
U.S. and Wyoming constitutions	3
*Cultural environment	9
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above;	
no more than 15 credits in any one area.	
5. Physical Education	1

Major Requirements

**HLTK	1200	Medical Terminology	3
OCTH	2000	Intro to Occupational Therapy	2
PSYC	1000	General Psychology	4
PSYC	2300	Developmental Psychology	3
PSYC	2340	Abnormal Psychology	3
**PSYC	2360	Lifespan: Adulthood and Aging	1
STAT	2050	Fundamentals of Statistics	5
ZOO	2040	Human Anatomy	3
ZOO	2041	Human Anatomy Lab	1
ZOO	t2110	Human Physiology	4
		World cultures	3

*UND/CC students will need to have completed 9 credit hours of humanities credit and 3 hours of world culture credit that is accepted by the University of North Dakota as transferable. Please work with pre-OT advisor to ensure appropriate course selection.

** These courses are not prerequisite requirements for the UND/CC MOT program, but must be completed for the AA or AS degree in pre-OT.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Associate of Science Degree Pre-Optometry

Pre-professional degree programs are designed to prepare students for entry into a bachelor degree program and then into their identified area of professional schooling. It is necessary for pre-professional students to work closely with an academic advisor to ensure that the requirements of the identified professional school(s) are met. For each pre-professional student, the degree program will be modified to provide the student with coursework that will best prepare them for their future studies and professional practice. Students expecting to qualify for admission into professional schools are urged to study carefully the particular requirements of the institution from which they wish to obtain a degree. Since society imposes leadership responsibilities on professionally trained people, most professional schools recommend that pre-professional training should stress 1) proficiency in language, 2) broad cultural background in the liberal arts or humanistic studies and in the social and behavioral sciences, and 3) completion of some basic science course and familiarity with the use of the scientific laboratory method.

This is a transfer degree program.

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
BIOL 1000 Introduction to Biology I	or
BIOL 1010 General Biology I	4
BIOL 2022 Animal Biology	or
BIOL 2023 Plant and Fungal Biology	or
MOLB 2210 General Microbiology	4
Mathematics	6
2. Communication	
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
PSYC 1000 General Psychology	4
U.S. and Wyoming constitutions	3
Cultural environment	3
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above;	
no more than 15 credits in any one area.	
5. Physical Education	1

Major Requirements

CHEM	1025	Chemistry I	3
CHEM	1028	Chemistry Lab I	1
CHEM	1035	Chemistry II	3
CHEM	1038	Chemistry Lab II	1
CHEM	2300	Introductory Organic Chemistry	or
CHEM	2320	Organic Chemistry I	3-4
CHEM	2325	Organic Chemistry Laboratory I	1
*MATH	2200	Calculus I	5
MOLB	2210	General Microbiology	4
MOLB	2220	Pathogenic Microbiology	4
PHYS	1110	General Physics I	4

PHYS 1120 General Physics II 4

* Students should refer to the requirements of their professional school or transfer institution.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF SCIENCE DEGREE.

Associate of Science Degree Pre-Pharmacy

Students expecting to qualify for admission into schools of pharmacy are urged to study carefully the particular requirements of the institutions from which they wish to obtain a degree. Since society imposes leadership responsibilities on professionally trained people, professional schools recommend that pre-professional training should not be highly specialized but should stress 1) proficiency in language, 2) broad cultural background in the liberal arts or humanistic studies and in the social and behavioral sciences, and 3) completion of some basic science courses and familiarity with the use of the scientific laboratory method.

(Recommended Curriculum)

General Education (Minimum 32 credits)	Credits
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation	
Included in the major requirements below	
2. Communication	
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
Human behavior	3
U.S. and Wyoming constitutions	3
Cultural environment	3
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above;	
no more than 15 credits in any one area.	
5. Physical Education	1

Major Requirements (minimum 24 credits)

BIOL	1010	General Biology I	4
BIOL	2022	Animal Biology	or
BIOL	2023	Plant and Fungal Biology	4
CHEM	1025	Chemistry I	3
CHEM	1028	Chemistry Laboratory I	1
CHEM	1035	Chemistry II	3
CHEM	1038	Chemistry Laboratory II	1
CHEM	2320	Organic Chemistry I	3
CHEM	2325	Organic Chemistry Laboratory	1
CHEM	2340	Organic Chemistry II	3
CHEM	2345	Organic Chemistry Laboratory II	1
MATH	2200	Calculus I	5
MOLB	2210	General Microbiology	4
MOLB	2220	Pathogenic Microbiology	4
STAT	2050	Fundamentals of Statistics	5
ZOO	2040	Human Anatomy	3

ZOO	2041	Human Anatomy Lab.....	1
ZOO	2110	Human Physiology	4

***Exact entry level course is determined by ACT or Compass scores.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF SCIENCE DEGREE.

Associate of Science Degree Pre-Veterinary

This curriculum is designed to meet the general requirements for admission into the WUE school of veterinary medicine at Colorado State University or Washington State University. Admission requirements vary with each professional school. Therefore, students should determine, as soon as possible, which school of veterinary medicine they plan to attend. Then the student's program can be planned in such a way as to meet the specific requirements of the chosen professional school.

Because of the large number of required courses, many students are taking three years to complete this program.

This is a transfer degree.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
 - BIOL 1000 Introduction to Biology I or
 - BIOL 1010 General Biology I..... 4
 - BIOL 2022 Animal Biology..... or
 - BIOL 2023 Plant and Fungal Biology..... 4
 - MATH 1400 Pre-Calculus Algebra..... 4
 - MATH 1405 Pre-Calculus Trigonometry 3
2. Communication
 - CO/M 1010 Public Speaking 3
 - ENGL 1010 English I: Composition 3
 - ENGL 1020 English II: Composition 3
3. Relationship with the World
 - Human behavior 3
 - U.S. and Wyoming constitutions 3
 - Cultural environment 3
4. General Education Electives
 - Must be chosen from areas 1, 2, or 3 above;
 - no more than 15 credits in any one area.
5. Physical Education1

Major Requirements

CHEM	2320	Organic Chemistry I.....	3
CHEM	2325	Organic Chemistry Laboratory I	1
MOLB	2210	General Microbiology	4
MOLB	2220	Pathogenic Microbiology	4
PHYS	1110	General Physics I	4
PHYS	1120	General Physics II	4
STAT	2050	Fundamentals of Statistics	5
		*Electives.....	8

*Prior to transfer, it is recommended that students complete CHEM 3750 Principles of Biochemistry (University of Wyoming course offered in Casper.).

The above curriculum will vary to some degree with the student's background and experience. For example, some students will not need the beginning mathematics courses and may go directly into calculus. This will save time and permit the student to complete additional courses. Recommended courses include animal production, genetics, microbiology, and comparative chordate anatomy.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF SCIENCE DEGREE.

Associate of Science Degree Pre-Physical Therapy

See Biology section for recommended curriculum.