

PRE-DENTISTRY

The University of Science and Arts of Oklahoma has a designated pre-dental advisor who receives information concerning the entrance requirements of the dental colleges and who will help students plan their program for each trimester they are in college, regardless of what major they may choose. The pre-dental student should secure approval of the pre-dental advisor each time the student enrolls. Although the various dental colleges do not have uniform entrance requirements, there is a great deal of similarity among them. The pre-dental students can start their program before selecting a dental college. Although the student may choose any program of study for a major, most pre-dental students choose either a biology or chemistry major. These two majors provide the best preparation for the DAT (Dental Admission Test). The minimum coursework should include:

<i>Course</i>	<i>Title</i>	<i>Hours Required</i>
IDS 1113, 1213	Writing	6
CHEM 1111, 1113, 1121, 1123	General Chemistry	8
CHEM 3302, 3312, 3303, 3313	Organic Chemistry	10
PHYS 1301, 1401, 2114, 2124	General Physics	10
Biology elective with laboratory	Biology	8

PRE-MEDICINE

The University of Science and Arts of Oklahoma has a designated pre-medical advisor who receives information concerning the entrance requirements of medical colleges. The pre-med advisor will help those students whose interests lie in this area to plan their program for each trimester they are in college, regardless of what major they may choose. The pre-medical student should secure the approval of the pre-medical advisor each time the student enrolls. Although the various medical colleges do not have uniform entrance requirements, there is a great deal of similarity among them. The pre-medical students can start their program before selecting a medical college. Although the student may choose any program of study to major, most pre-med students choose either a biology or chemistry major. These two majors provide the best preparation for the MCAT (Medical College Aptitude Test). Minimum coursework should include:

<i>Course(s)</i>	<i>Title</i>	<i>Hours Required</i>
IDS 1113,1213	Writing	6
BIOL 1114	General Zoology	4
BIOL 2204	Comp. Vert. Anatomy	4
CHEM 1111, 1121, 1113, 1123	General Chemistry	8
CHEM 3302, 3312, 3303, 3313	Organic Chemistry	10
PHYS 1301, 1401, 2114, 2124	General Physics	10
PSYC 1643	Elementary Psychology	3
SOCI 1123	General Sociology	3
English elective	Selected	3
Humanities or Philosophy elective	Selected	3

PRE-NURSING (R.N.)

Pre-nursing students seeking to receive the bachelor of science degree as well as becoming registered nurses will be applying to enter two clinical years at a college of nursing after completing two years of designated academic courses on the USAO campus. After successfully finishing the four years, they will be eligible to write the State Board Examination for licensure as a registered nurse and also have a B.S. degree from the university where they completed their upper-division nursing major. Since admission to the last two years is elective, good achievement in prior academic work and early advisement from the college of nursing you wish to attend are important. Courses generally required for entrance into most nursing programs include:

<i>Course</i>	<i>Title</i>	<i>Hours Required</i>
IDS 1013	Rhetoric and Public Speaking	3

IDS 1113	Writing I	3
IDS 1123	Writing II	3
IDS 2003	Introduction to Computer Science	3
IDS 2023	Foundations of Life Science	3
IDS 2133	American Civilization I	3
IDS 2143	American Civilization II	3
MATH 1513	College Algebra	3
MATH 2203	Elementary Statistics	3
CHEM 1111	General Chemistry I Lab	
CHEM 1113	General Chemistry I	3
BIOL 2254	Human Anatomy	4
BIOL 3124	Human Physiology	4
BIOL 3815	Basic Microbiology	5
PSYC 1643	Elementary Psychology	3

In addition, various programs may require courses from psychology, sociology, anthropology, nutrition, foreign language, artistic expression, western and non-western culture.

PRE-PHARMACY

The pre-pharmacy curriculum is designed to fulfill the requirements of the student who wishes to obtain a degree in pharmacy from the University of Oklahoma or Southwestern Oklahoma State University. The following courses are generally required for entrance into a pharmacy program:

<i>Course(s)</i>	<i>Title</i>	<i>Hours Required</i>
IDS 1113, 1213	Writing	6
IDS 2133, 2143	American Civilization	6
BIOL 1114	General Zoology	4
BIOL 3124	Human Physiology	4
BIOL 3815	Microbiology	5
CHEM 1111, 1121, 1113, 1123	General Chemistry	8
CHEM 3302, 3312, 3303, 3313	Organic Chemistry	10
CHEM 3321, 3323	Biochemistry	4
PHYS 1301, 1401, 2114, 2124	General Physics	10
MATH 1513	College Algebra	3
MATH 1613	Trigonometry	3
MATH 1145	Calculus I	5
MATH 2203	Elementary Statistics	3
ECON 2113	Economics	3
IDS 3313	Understanding Artistic Forms	3
IDS 3323	Western Civilization and Culture	3
IDS 4333	Non-Western Culture	3

In addition, two college courses in a foreign language are required if the student has not completed two years of a foreign language in high school.

PRE-VETERINARY MEDICINE

Students preparing for veterinary medicine enroll at USAO with the assistance of the pre-veterinary medical advisor. The advisor will not only help plan their schedules each trimester, but will guide them in the application for admission to a college of veterinary medicine. The following pre-veterinary curriculum is designed to fulfill the requirements of the student who wishes to enter a program of veterinary medicine at the Oklahoma State University College of Veterinary Medicine.

<i>Course(s)</i>	<i>Title</i>	<i>Hours Required</i>
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IDS 1113, 1213	Writing	6
BIOL 1014	General Botany	4
BIOL 1114	General Zoology	4
BIOL 3334	General Genetics	4
BIOL 3815	Basic Microbiology	5
CHEM 1111, 1121, 1113, 1123	General Chemistry	8
CHEM 3302, 3312, 3303, 3313	Organic Chemistry	10
CHEM 3321, 3323	Biochemistry	4
COMM 2133	Public Speaking and Persuasion	3
COMM 4103	Technical Writing	3
MATH 1513	College Algebra	3
PHYS 1301, 1401, 2114, 2124	General Physics	10
ANSI 3543	Principles of Animal Nutrition*	3

*Available from Oklahoma State University by correspondence.

Pick 2 of the following humanities or social science courses:

IDS 1133	The Individual in Contemporary Society	3
IDS 3313	World Thought & Culture to 500 C.E.	3
IDS 3323	World Thought & Culture 500-1650	3
IDS 4333	World Thought & Culture 1650 to present	3

All veterinary colleges do not have identical entrance requirements. Any student wishing to apply to other colleges of veterinary medicine also may receive help from the veterinary medical advisor.

PRE-HEALTH RELATED STUDY IN OTHER FIELDS

USAO furnishes academic courses for those who will apply to enter clinical or post-graduate work in:

- Optometry (Doctor of Optometry)
- Physical Therapy
- Radiologic Technology (which includes Nuclear Medicine, Radiography, Radioactive Radiation Therapy, Sonography)
- Others

In general, all programs involving clinical work require selective admission before the clinical phase of the education. A good academic record as well as an exact program of courses will be needed. All pre-health related students should first contact the chair of the science department, who will secure an informed advisor for them. Students interested in health-related professions other than those specifically mentioned above may find that a part or all of their pre-professional work can be done at USAO. All such people are invited to contact the chair of the science department for information.