

University Saint Francis and Ohio Northern University Articulation Agreement for the University Saint Francis Physician Assistant Program

The University of Saint Francis (USF), in conjunction with Ohio Northern University (ONU), works cooperatively to facilitate entry of highly qualified undergraduate students into the physician assistant profession. This agreement will facilitate entrance into the Physician Assistant Studies Program at USF for such students and will benefit both institutions. The following principles apply to the guaranteed admission program.

Admittance Criteria

A student enrolled at Ohio Northern University who is on target for graduation with a baccalaureate degree may be provisionally accepted to the Physician Assistant Studies Program at USF one year prior to their matriculation, provided they meet the following criteria:

1. Completion of a baccalaureate degree prior to matriculation into the USF PA Program in August.
2. Possession of a minimum undergraduate cumulative GPA of 3.50 and science GPA of 3.0. Both GPA requirements must be maintained through completion of the undergraduate degree.
3. Completion of all course prerequisites stipulated by the USF PA Program with a grade of "C" or higher. Grades of "C-" or "pass/fail" will not satisfy this requirement.
 - a. Courses that must be completed to satisfy the minimum admission requirements include:
 - i. Human anatomy with lab (3 credits, above the 100 level)*
 - ii. Human physiology with lab (3 credits, above the 100 level)*
 1. *Two courses of combined human anatomy and physiology with labs (minimum total of 6 credit hours) may be used to satisfy the individual human anatomy and human physiology requirements.
 2. *Comparative anatomy and/or physiology courses are not considered acceptable substitutions for human anatomy or physiology. Mammalian anatomy and vertebrate anatomy are considered acceptable substitutions for human anatomy.
 - iii. Microbiology with lab (3 credits, above the 100 level)
 - iv. Organic chemistry with lab (3 credits, above the 100 level) OR Biochemistry with or without lab (3 credits, above the 100 level)
 - v. Two courses (minimum of 6 total credits) within the behavioral science discipline (e.g., psychology, sociology, or anthropology)
 - b. Courses that must be completed at Ohio Northern University are detailed in Appendix A of this document and include:
 - i. BIOL 1301 Biology 1: Cells, Molecules, and Evolution – 4 hours
 - ii. BIOL 1401 Biology 2: Biodiversity, Organismal Biology and Ecology – 4 hours
 - iii. CHEM 1731 + CHEM 1751 General Chemistry 1 - 5 hours
 - iv. CHEM 1741 + CHEM 1761 General Chemistry 2 - 5 hours
 - v. CHEM 2511 Organic Chemistry 1 – 3 hours (Organic Chem Lab is taken concurrently)

- vi. CHEM 2551 Organic Chemistry 1 Laboratory – 1 hour
- vii. CHEM 2521 Organic Chemistry 2-3 hours (Organic Chem Lab is taken concurrently)
- viii. CHEM 2561 Organic Chemistry 2 Laboratory – 1 hour
- ix. CHEM 3111 Biochemistry – 3 hours
- x. PSYC 1001 Psychology – 3 hours
- xi. PSYC 2151 Development Across the Lifespan – 3 hours
- xii. PSYC 2311 Abnormal Psychology – 3 hours
- xiii. BIOL 3241 Medical Physiology I – 4 hours
- xiv. BIOL 3251 Medical Physiology II – 4 hours
- xv. BIOL 3021 Human Anatomy – 4 hours
- xvi. BIOL 3461 Clinical Microbiology – 4 hours

4. Possession of a minimum of 1000 hours of direct patient care experience prior to graduation from Ohio Northern University. Evidence of a student's direct patient care experience will be demonstrated via the completed CASPA application.
 - a. Direct patient care experience is defined as hands-on experience with patients in an approved paid clinical position.
 - b. Positions that qualify for direct patient care experience include: medical assistant; patient care technician; surgical technician or technologist; first assistant; scribe; certified nursing assistant or student nursing assistant; occupational therapist or occupational therapy assistant/tech/aide; physical therapist or physical therapy assistant/tech/aide; certified athletic trainer; phlebotomist; respiratory therapist; emergency room technician; lab technician (if phlebotomy and/or direct patient care is the majority of job description); pharmacist; certified pharmacy technician with hands-on patient care; dietician; emergency medical technician; paramedic; registered nurse or nursing assistant/aide; radiologic technician or technologist; ultrasound technician or technologist; EKG/EEG technician; chiropractor or chiropractor assistant; dental hygienist; military medic or corpsman; ophthalmic or optometric assistant; rehabilitation technician; or social worker (with a clinical focus).
 - c. Positions that do not qualify for direct patient care experience include: personal care assistant; clerical pharmacy technician; unit clerk; patient transporter; lifeguard; camp counselor; counselor; front office staff or clinical administrator; drug and/or equipment sales representative; or medical researcher.

5. Submission of three letters of recommendation via CASPA.
 - a. One recommendation must be from the student's academic advisor. This letter should indicate that the student is on track to meet all admittance criteria included in this agreement and that the student is in good academic standing per the Ohio Northern University's definition. The letter should also speak towards the applicant's ability to be successful in a graduate medical program.
 - b. One recommendation must be from a clinician (i.e., MD, DO, PA, or NP) who has worked alongside the candidate in a clinical setting through observation, shadowing, or prior/current work experience.

- c. The third letter of recommendation is at the student's discretion. Letters of recommendation from relatives or family friends are not accepted.

Admissions Process

1. Any student eligible for direct entry into the USF PA Program via the terms of this agreement must inform the USF PA Program of their intent to apply in writing by September 1 in the year preceding their anticipated matriculation. Written notification should be sent to PAprogram@sf.edu.
 - a. If the USF PA Program is not contacted by any students from Ohio Northern University by this date, the seats held for Ohio Northern University students seeking direct admission under the terms of the agreement will be forfeited. Interested students are still able to apply via the traditional admissions process.
2. Students must formally apply to the USF PA Program via the CASPA application process between May 1 and October 1 in the year preceding their anticipated matriculation.
 - a. Failure to submit the completed CASPA application by this date will result in forfeiture of the seats held for Ohio Northern University students seeking direct admission under the terms of the agreement. Interested students are still able to apply via the traditional admissions process.
3. The USF PA Program will admit two (2) students from Ohio Northern University via this agreement per cohort.
 - a. If two or fewer students apply for admittance during the same CASPA cycle, those students will be provisionally accepted into the USF PA program. Matriculation will remain dependent upon completion of all admittance criteria.
 - b. If more than two students apply for admittance during the same CASPA cycle, the USF PA Program reserves the right to select the two most qualified applicants at its discretion. This process may include an extensive review of each candidate's CASPA application, guidance from the candidate's academic advisor, and/or an interview with each candidate. The remaining qualified applicants not offered direct admittance will be placed on the USF PA Program waitlist.
4. Following provisional acceptance into the USF PA Program, Ohio Northern University students must reserve their seat with the submission of a non-refundable deposit required of all incoming PA students by March 1 of the matriculation year. This money will be credited towards the first semester's tuition.
5. Provisionally accepted students from Ohio Northern University will be required to comply with all enrollment requirements and deadlines expected of all incoming PA students.

Additional Notes

1. Ohio Northern University students who remain interested in the USF PA Program but do not qualify under the terms of this agreement are welcome to apply via the traditional admissions process.
2. USF will provide information support for Ohio Northern University recruitment efforts related to the USF PA Program.
3. The USF PA Program may elect to accept more than two candidates from Ohio Northern University per cycle at its discretion.

Cooperation Term


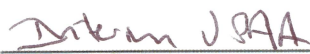
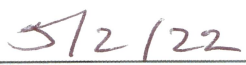
The term of this Agreement is three years. It will take effect from the date of signature by the representatives from both Parties. It may be altered, modified, or extended only by mutual consent and written amendment signed by both Parties up to three months before the expiration. Either Party may terminate the agreement in advance of its normal expiration date by giving the other Party a sixty-day prior written notice. The Parties agree to work together amicably to resolve any disputes or disagreements that may arise during the Parties' performance of this agreement.


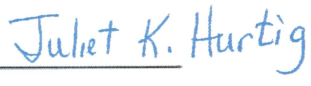

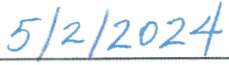
The Parties hereto have executed this Agreement this 25th day of April 2024.

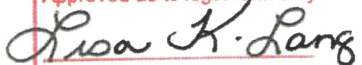
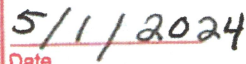
Other untouched issues, if there are any, should be addressed by both parties through consultation.

University of Saint Francis

Ohio Northern University


Name

Title

Date


Name

Name

Title

Date

Approved as to legal form only

Signature

Date

APPENDIX A.
Required Courses to be Completed at Ohio Northern University

Courses that must be completed at ONU include:

a. BIOL 1301 Biology 1: Cells, Molecules, and Evolution – 4 hours

An introduction to the concepts underlying the structure and function of cells including their organization, chemical foundations, metabolism, the principles and mechanisms of heredity and gene expression, viruses, biotechnology, and evolutionary theory. Laboratory activities emphasize the scientific method in exploring these topics. There is an additional fee for this course. No Prerequisite.

4.000 Credit hours

3.000 Lecture hours

3.000 Lab hours

and

BIOL 1401 Biology 2: Biodiversity, Organismal Biology and Ecology – 4 hours

A comprehensive integrated study of plant and animal anatomy and physiology focusing on the major systems coupled with investigations of ecological and evolutionary processes, biodiversity, phylogenetic relationships, and paleogeography. There is an additional fee for this course.

4.000 Credit hours

3.000 Lecture hours

3.000 Lab hours

b. CHEM 1731 + CHEM 1751 General Chemistry 1

CHEM 1731 General Chemistry 1 lecture

Macroscopic concepts of the elements, compounds and reactions. Stoichiometry, thermochemistry, and properties of ideal gases as applied to reactive systems. Emphasis on acid-base, redox, and descriptive chemistry. Atomic theory and its application to bonding. Credit can be received for CHEM 1731

4.000 Credit hours

4.000 Lecture hours

CHEM 1751 General Chemistry 1 laboratory

Laboratory course supporting lecture concepts of the elements, compounds and reactions. Stoichiometry, thermochemistry and properties of ideal gases as applied to reactive systems. Emphasis on acid-base, redox, and descriptive chemistry. Atomic theory and its application to bonding. Credit can be received for either 1751 or 1851, but not both.

1.000 Credit hours

3.000 Lab hours

and

CHEM 1741 + CHEM 1761 General Chemistry 2

CHEM 1741 General Chemistry 2 lecture - 4 hours

Molecular structure, condensed phases, chemical reactions and mechanisms. Physical principles controlling chemical reactions including kinetics, thermodynamics, electrochemistry, and acid-base equilibrium conditions. Credit can be received for CHEM 1741 or CHEM 1841 but not both.

4.000 Credit hours

4.000 Lecture hours

CHEM 1761 General Chemistry 2 laboratory – 1 hour

Laboratory course supporting lecture concepts of molecular structure, condensed phases, chemical reactions and mechanisms. Physical principles controlling chemical reactions including kinetics, thermodynamics, electrochemistry, and acid-base equilibrium conditions. Credit can be received for either 1761 or 1861, but not both.

1.000 Credit hours

3.000 Lab hours

c. CHEM 2511 Organic Chemistry 1 – 3 hours (Organic Chem Lab is taken concurrently)

Bonding, acidity, functional groups, conformations, stereochemistry, nomenclature, fundamental reactions/mechanisms (SN1, SN2, E1, E2) of organic chemistry, addition reactions to alkenes and alkynes, oxidation and reduction, and structure determination using IR, NMR, and MS spectroscopy.

Taken concurrently with CHEM 2551. Credit may be received for CHEM 2511 or 2611, but not for both.

Offered fall semester.

3.000 Credit hours

3.000 Lecture hours

CHEM 2551 Organic Chemistry 1 Laboratory

Basic laboratory techniques used for synthesis, isolation, purification, and analysis of organic compounds are studied in the course. Some functional group interconversion, substitution, and elimination processes are introduced. Structure analysis using spectroscopy. The lab experiments are designed to illustrate practical implementation of the theories and concepts learned in lecture. There is an additional fee for this course. Taken concurrently with CHEM 2511. Credit may be received for CHEM 2551 or 2651, but not for both. Offered fall semester.

and

CHEM 2521 Organic Chemistry 2-3 hours (Organic Chem Lab is taken concurrently)

Reactions with/on radicals, dienes, aromatics, alcohols, carbonyls, amines, the structure and chemistry of carbohydrates, and organic polymer chemistry. Taken concurrently with CHEM 2561. Credit may be received for CHEM 2521 or 2621, but not for both. Offered spring semester.

3.000 Credit hours

3.000 Lecture hours

CHEM 2561 Organic Chemistry 2 Laboratory 1 hour

Reactions with/on radicals, dienes, aromatics, alcohols, carbonyls, amines, the structure and chemistry of carbohydrates, and organic polymer chemistry. There is an additional fee for this course. Taken concurrently with CHEM 2521. Credit may be received for CHEM 2561 or 2661, but not for both. Offered spring semester.

1.000 Credit hours

3.000 Lab hours

d. CHEM 3111 Biochemistry – 3 hours

Fundamentals of biochemistry with emphasis on the structures and properties of the major classes of biological molecules and the relationships between biomolecular structure and function; introduction to enzyme catalysis and metabolic pathways. Optional associated laboratory: CHEM 3151. Offered fall semester.

3.000 Credit hours

3.000 Lecture hours

e. PSYC 1001 Psychology – 3 hours

Introduction to the scientific approach to understanding human behavior and mental processes. Topics may include human development, learning and memory, personality, social and environmental factors, biological aspects of behavior, the experience of emotion and psychological disorders. Offered fall and spring semesters.

3.000 Credit hours

3.000 Lecture hours

f. PSYC 2151 Development Across the Lifespan – 3 hours

Basic theories in human development from conception through old age using a biopsychosocial model; contemporary research at each age level. Offered fall and spring semesters.

3.000 Credit hours

3.000 Lecture hours

or

PSYC 2311 Abnormal Psychology – 3 hours

The development of a scientific approach to abnormal behavior. A review of the psychological, sociological, and biological factors related to the development of abnormal behavior. A review of the research of, the causal factors related to, and the diagnosis and treatment of mental disorders and intellectual disability. Offered fall and spring semester.

3.000 Credit hours

3.000 Lecture hours

g. BIOL 3241 Medical Physiology I – 4 hours

The first in a sequence of two courses that provides an in-depth survey of human physiology systems. The course includes didactic lectures, group discussion/scenario problem solving, and laboratories that present comparisons across various vertebrate and invertebrate species. The laboratories closely follow the content presented in lectures and incorporate some classical experiments pertaining to neural, skeletal muscle, blood, immunity and cardiovascular physiology. Students also work in teams to conduct literature reviews, design research proposals, and present these designs in podium presentations. This is the preferred physiology sequence for students planning on medical studies. There is an additional fee for those course. CREDIT CANNOT BE RECEIVED FOR BOTH BIOL 3241 AND BIOL 2331.

4.000 Credit hours

4.000 Lecture hours

and

BIOL 3251 Medical Physiology II – 4 hours

The second in a sequence of two courses that provides an in-depth survey of human physiology systems. Where possible, it will include comparisons across various vertebrate and invertebrate species; as well as scenarios that require problem solving and practical application of physiological principles. Topics covered in this course include: smooth muscle function, structure and function of the respiratory, renal including pH regulation, gastrointestinal and metabolism, endocrine and exercise, and reproductive systems. The laboratories are designed to enhance the understanding of physiological principles presented in lecture and will incorporate some classical experiments pertaining to respiratory, renal, gastrointestinal, endocrine and reproductive physiology. Students work in teams to collect, analyze and interpret data pertaining to the approved research protocols submitted in Medical Physiology I, and present their findings in oral (poster) and written formats. This is the preferred physiology sequence for students planning on medical studies. There is an additional fee for this course. CREDIT CANNOT BE RECEIVED FOR BOTH BIOL 3251 AND BIOL 2341.

4.000 Credit hours

4.000 Lecture hours

h. BIOL 3021 Human Anatomy – 4 hours

Human body systems using x-rays, MRIs, skeletal material, and cadaver dissection. There is an additional fee for this course.

4.000 Credit hours

2.000 Lecture hours

4.000 Lab hours

i. BIOL 3461 Clinical Microbiology – 4 hours

Lecture and laboratory coverage of microbes of medical interest, emphasizing application of conventional methods and emerging technologies to isolate, identify, and detect antimicrobial

susceptibility of bacteria, viruses, fungi, and parasites associated with human diseases. There is an additional fee for this course.

4.000 Credit hours

3.000 Lecture hours

1.000 Lab hours

