

**Agreement for an Intercollegiate Program  
between  
Concordia University Wisconsin School of Pharmacy  
and  
the Board of Regents of the University of Wisconsin System  
on behalf of the University of Wisconsin-Green Bay**

This document states the terms of an articulation agreement for a program leading to a Bachelor of Science Degree with a major in Human Biology (health science emphasis) from the University of Wisconsin-Green Bay and a Doctor of Pharmacy degree from Concordia University Wisconsin, hereafter called “the 3+4 program” or “the program.”

This agreement is effective as of the date it is fully executed by both parties and will remain in effect for a period of one year. Thereafter, this agreement shall be automatically extended on an annual basis. Either party may terminate this agreement by written notice to the other party by March 1<sup>st</sup> of each year. In the event of a termination for any reason by either party, the students presently accepted in the Concordia University Wisconsin School of Pharmacy will be permitted to complete the program. This agreement may be modified at any time with the written agreement of both parties.

Both institutions enter into this agreement in order to better facilitate the admission of University of Wisconsin-Green Bay students to the Concordia University Wisconsin School of Pharmacy. The General Terms of the Agreement are as follows:

1. The University of Wisconsin-Green Bay agrees to grant a Bachelor of Science Degree with a major in Human Biology (health science emphasis) to those students who successfully complete at least 90 credits at the University of Wisconsin-Green Bay, meet both the campus and College of Science, Engineering and Technology general education degree requirements (including at least 15 advanced credits in the major in residence at UWGB – see sample 3-year plan) specified in the University of Wisconsin-Green Bay catalog at the time of admission to the University of Wisconsin-Green Bay, and successfully complete 32 doctor of pharmacy credits at the Concordia University Wisconsin School of Pharmacy.

<i>CUWSOP Pre-Pharmacy: Science Courses (minimum required credits)</i>	<i>UW- Green Bay Course Option(s)</i>
Biology I + lab (4 cr)	BIO 201/BIO 202 – Principles of Biology: Cellular and Molecular Processes (4 cr)
Biology II + lab (4 cr)	HUM BIOL 204: Anatomy and Physiology (5 cr)
General Chemistry I + lab (4 cr)	CHEM 211/CHEM 213 – Principles of Chemistry I & Lab (5 cr)
General Chemistry II + lab (4 cr)	CHEM 212/CHEM 214 – Principles of Chemistry II & Lab (5 cr)
Organic Chemistry I + lab (4 cr)	CHEM 302/CHEM 304 – Organic Chemistry I & Lab (4 cr)

Organic Chemistry II + lab (4 cr)	CHEM 303/CHEM 305 – Organic Chemistry II & Lab (4 cr)
Physics I ( <i>with or without lab</i> ) (3-4 cr)	PHYSICS 103: Fundamentals of Physics I & Lab (5 cr)
Advanced science elective course(s) (4-5 cr)	<i>BIO 303 – Genetics, BIO 307 – Cell Biology, HUM BIOL 402 – Human Physiology, HUM BIOL 444 – Endocrinology, etc. (4 cr)</i>
<b>Total CUWSOP pre-pharmacy minimum science credits: 32</b>	<b>Total UW-Green Bay Pre-Pharmacy Science Courses Credits: 36</b>
<b><i>CUWSOP Pre-Pharmacy: Support Courses (minimum required credits)</i></b>	<b><i>UW-Green Bay Course Option(s)</i></b>
Calculus (3 cr)	MATH 202 – Calculus and Analytic Geometry I (4 cr)
Statistics (3 cr)	MATH 260 – Introductory Statistics (4 cr)
English Composition (3 cr)	ENG COMP 105 – English Composition II: Composition and Rhetoric (3 cr)
Interpersonal Communication or Public Speaking (3 cr)	COMM 166 – Fundamentals of Interpersonal Communication (3 cr) OR COMM 133 – Fundamentals of Public Address (3 cr)
Economics (3 cr)	ECON 202 – Macro Economic Analysis (3 cr) OR ECON 203 – Micro Economic Analysis (3 cr)
General Education Electives (17 cr)	Fulfilled through other UW-Green Bay undergraduate coursework that also counts toward the Human Biology (Health Science Emphasis) degree (see item 2 below) (17 cr)
<b>Total CUWSOP pre-pharmacy minimum support courses credits: 32</b>	<b>Total UW-Green Bay Pre-Pharmacy Support Courses Credits: 34</b>
<b>Total CUWSOP pre-pharmacy minimum credits: 64</b>	<b>Total UW-Green Bay Pre-pharmacy credits: 70</b>

2. In order to be eligible for the 3+4 program, students additionally must complete the courses below to fulfill UWGB's College of Science, Engineering and Technology Human Biology (health science emphasis) degree requirements.

Courses/Requirements to be taken at UWGB in addition to Pre-requisite courses listed above\*:

- HUM BIOL 207 – Laboratory Safety – 1 credit
- PHYSICS 104 – Fundamentals of Physics II & Lab – 5 credits
- Select three courses, 9 credits:
  - BIO 303 – Genetics OR HUM BIOL 310 – Human Genetics – 3 credits
  - BIO 307 – Cell Biology – 3 credits
  - HUM BIOL 402 – Human Physiology – 3 credits
  - NUT SCI 300 Human Nutrition – 3 credits
- Two upper level laboratory courses (e.g. Genetics Lab, Human Physiology Lab, Cell Biology Lab) – 2 credits

- General Education Requirements (some of which are also part of the pre-pharmacy requirements from above)

General Education Requirement	Credits Required	UWGB Course
First Year Seminar	3	
Capstone	varies (1 class)	Upper Level Lab (e.g. BIO 304, HUM BIOL 403, BIO 308)
Biological Sciences	3	BIO 201
Ethnic Studies	3	
Fine Arts	3	
Global Culture	3	
Humanities	6	
Natural Sciences	3	CHEM 211
Quantitative Literacy	3	MATH 260
Social Sciences	6	ECON 202 or ECON 203
Sustainability	3	
Writing emphasis (lower)	varies (2 classes)	FYS, ENG COMP 105
Writing emphasis (upper)	varies (2 classes)	(e.g. BIO 304, HUM BIOL 403, BIO 308)

3. In order to be eligible for the Human Biology (health science emphasis) degree, including pre-pharmacy coursework, undergraduate degree requirements, and general education requirements, a minimum of 90 credits must be taken at UW-Green Bay. A minimum of 32 additional credits are reverse transferred from the first year of the PharmD program at CUWSOP, which are listed immediately below.

CUW Course	UWGB Course Dept	UWGB course Number	# of credits
Pharm 310 - Pharmacy Biochemistry	Chemistry	330	4*
Pharm 314 - Pharmacy Microbiology, Immunology, Molecular Biology	Biology Human Biology	302/407 422	4*
Pharm 320 - Pharmaceutics I	Human Biology	UL elective	2
Pharm 322 - Pharmaceutics II	Human Biology	UL elective	4
Pharm 330 - Pharmacology & Medicinal Chemistry I	Chemistry	U	3
Pharm 340 - Pharmacy and the Healthcare Systems	Human Biology	UL elective	3
Pharm 350 - Pharmacotherapy I: Self-care	Human Biology	UL elective	2
Pharm 370 - Applied Patient Care I	Human Biology	UL elective	2
Pharm 372 - Applied Patient Care II	Human Biology	UL elective	2
Pharm 380 - Introductory Pharmacy Practice Experience I	Human Biology	UL elective	3
Pharm 382 - Introductory Pharmacy Practice Experience II	Human Biology	UL elective	3
		<b>Total:</b>	<b>32</b>

\* Pharm 310 will transfer back as CHEM 330 (Biochemistry) and Pharm 314 will transfer back as BIO 302 (Principles of Microbiology).

\*If a student takes the equivalent of these courses at the University of Wisconsin- Green Bay, Concordia University Wisconsin School of Pharmacy equivalent credits cannot transfer back. In such an instance, Fall P2 coursework Phar 432 Pharmacology & Medicinal Chemistry II (4 cr), Phar 424 Applied Pharmacokinetics (3 cr) and Phar 450 Pharmacotherapy II (3 cr) would be used to fill the remaining credits for reverse transfer.

4. After successfully completing the requirements at UW-Green Bay and the first year of the PharmD program at CUWSOP, students will receive a Bachelor of Science Degree in Human Biology (health science emphasis) from UW-Green Bay College of Science, Engineering and Technology. Students must send their official CUW transcripts to the UW-Green Bay Registrar's Office to complete a graduation application.
5. Concordia University Wisconsin School of Pharmacy agrees to grant a Doctor of Pharmacy degree to those University of Wisconsin-Green Bay students who gain acceptance into Concordia University Wisconsin School of Pharmacy, and successfully complete the doctor of pharmacy degree requirements specified in the Concordia University Wisconsin School of Pharmacy catalog at the time of admission to Concordia University Wisconsin School of Pharmacy. In addition to the coursework completed in year one of the PharmD program (38 credits), students will complete a minimum of 110 additional credits during years P2-P4 to fulfill the degree requirements.
6. If the University of Wisconsin-Green Bay materially changes its requirements for a Human Biology major, its general education requirements, or its graduation requirements, or if the Concordia University Wisconsin School of Pharmacy materially changes its graduation requirements, it will notify the other party as soon as reasonably practicable. In such case, the parties will attempt to renegotiate this agreement in good faith, but if the parties are unable to reach agreement, the agreement will automatically terminate at the end of the current contract period.
7. The University of Wisconsin-Green Bay agrees to provide the following, or comparable, mathematics, science and liberal studies coursework. This coursework must be completed by the time a University of Wisconsin-Green Bay student starts classes at Concordia University Wisconsin School of Pharmacy as the coursework is the pre-pharmacy requirements for the PharmD degree.

One possible three-year plan for courses taken at the University of Wisconsin – Green Bay with a major in Human Biology (health science emphasis) is shown below. Courses in bold represent the CUWSOP pre-pharmacy requirements and must be completed by the time a University of Wisconsin-Green Bay student starts classes at Concordia University Wisconsin School of Pharmacy.

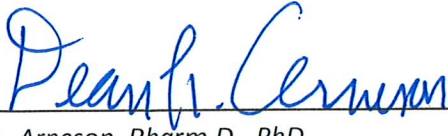
Possible UWGB Course sequence	
Semester 1	Semester 2
<b>BIO 201/202 – 4 CREDITS</b> <b>CHEM 211/213 – 5 CREDITS</b> HUM BIOL 207 – 1 CREDIT MATH 104 – 4 CREDITS FIRST YEAR SEMINAR – 3 CREDITS  Total credits: 17	<b>HUM BIOL 204 – 5 CREDITS</b> <b>CHEM 212/214 – 5 CREDITS</b> <b>ENG COMP 105 – 3 CREDITS</b> GE – FINE ARTS – 3 CREDITS  Total credits: 16
Semester 3	Semester 4
<b>CHEM 302/304 – 4 CREDITS</b> <b>MATH 202 – 4 CREDITS</b> <b>COMM 133 – 3 CREDITS</b> NUT SCI 300 – 3 CREDITS GE – HUMANITIES – 3 CREDITS  Total credits: 17	<b>CHEM 303/305 – 4 CREDITS</b> <b>MATH 260 – 4 CREDITS</b> <b>ECON 202 or ECON 203 – 3 CREDITS</b> GE – SUSTAINABILITY – 3 CREDITS  Total credits: 14
Semester 5	Semester 6
<b>PHYSICS 103 – 5 CREDITS</b> <b>BIO 303 – 3 CREDITS</b> <b>BIO 304 – 1 CREDIT</b> GE – ETHNIC STUDIES – 3 CREDITS GE – HUMANITIES – 3 CREDITS  Total credits: 15	<b>PHYSICS 104 – 5 CREDITS</b> <b>HUM BIOL 402 – 3 CREDITS</b> <b>HUM BIOL 403 – 1 CREDIT</b> GE – GLOBAL CULTURE – 3 CREDITS GE – SOCIAL SCIENCES – 3 CREDITS  Total credits: 15
In addition to bolded courses, 17 credits of additional coursework will count toward the general education elective credits required by CUWSOP and must be completed by the time a UW-Green Bay students starts classes at CUWSOP.	
Total Minimum UWGB credits = 90 (plan currently has 94 credits)	

8. Concordia University Wisconsin School of Pharmacy agrees to guarantee an interview to University of Wisconsin-Green Bay students in the “3+4” program who have met the following criteria:
  - a. Successful progress in the pre-pharmacy coursework with a C or better at the University of Wisconsin-Green Bay (for the 3+4 program students must have a “C” or better in pre-pharmacy coursework and maintain at least a 2.5 GPA average in all courses counting in the Human Biology major taken at both UWGB and CUW). All required pre-pharmacy coursework must be completed by the time a UW-Green Bay student starts classes at CUWSOP.
  - b. Submission of the PharmCAS application by May 1 the year they plan to enroll in the PharmD program.
  - c. Minimum cumulative grade point average of 2.75 out of 4.0 in all UWGB coursework.
  - d. A composite score of 35 or higher on the Pharmacy College Admission Test (PCAT).
  
9. With the student’s prior written consent, the University of Wisconsin-Green Bay will identify potential students for the 3+4 program with Concordia University Wisconsin School of Pharmacy. Concordia University Wisconsin School of Pharmacy will assist in

mentoring those students while they are enrolled at the University of Wisconsin-Green Bay. Concordia University Wisconsin School of Pharmacy will offer interviews to all University of Wisconsin-Green Bay students in the "3+4" program who meet the admissions criteria (stated above in number 3). Concordia may elect to offer interviews to candidates below these thresholds. These thresholds represent guaranteed interviews.

10. Each University of Wisconsin-Green Bay pre-pharmacy student requesting admission to Concordia University Wisconsin School of Pharmacy will submit the appropriate application for admission, application fee, test scores, official transcript from the University of Wisconsin-Green Bay, and any other necessary transcripts or credentials in support of his/her application, as required by the policies of Concordia University Wisconsin School of Pharmacy.
11. The "3+4" program will be promoted on both UW-Green Bay's and on Concordia University School of Pharmacy's websites.
12. The Appendix further describes personnel roles and responsibilities from each institution that will collaborate and communicate to support students' progress and process in this program.
13. This agreement is not assignable by either party without the prior written consent of the other party.

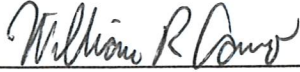
APPROVALS



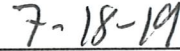
Dean L. Arneson, Pharm.D., PhD  
Dean  
Concordia University Wisconsin School of Pharmacy



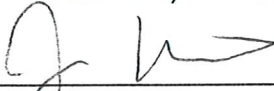
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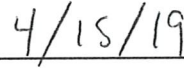
William R. Cario, PhD  
Provost  
Concordia University Wisconsin



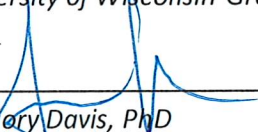
Date



John Katers, PhD  
Dean, College of Science, Engineering and Technology  
University of Wisconsin-Green Bay



Date



Gregory Davis, PhD  
Provost & Vice Chancellor for Academic Affairs  
University of Wisconsin-Green Bay



Date

