

LOGAN COLLEGE OF CHIROPRACTIC

3+3 BACHELOR OF SCIENCE BIOLOGY/ DOCTOR OF CHIROPRACTIC COMBINED DEGREE PROGRAM

OVERVIEW

Chiropractors treat patients whose health problems originate in the spine. Treatment options include adjustment of the spine, exercise, and nutrition. The 3+3 program, created in an effort to better serve students intending to pursue the chiropractic profession, provides qualified students with an opportunity to complete the Bachelor of Science in Biology degree and the Doctor of Chiropractic degree in six years instead of the usual seven.

The Biology program at Lewis University is designed to prepare undergraduate students for a graduate health professional school. The first three years of the program consists of a broad-based curriculum (a minimum of 90 semester hours) that includes courses in biology, chemistry, physics, psychology, and mathematics, and that maximizes the number of elective science courses. Lewis University's affiliation with **Logan College of Chiropractic** enhances the student's opportunity for a career in chiropractic care. This affiliation allows a preferential consideration for the Lewis student during the admission process into Logan College, and provides an opportunity for the student to pursue the 3+3 program. If accepted by Logan, the fourth year is completed at Logan College of Chiropractic, with this year serving as both the fourth year of undergraduate study and the first year of the professional program.

Logan College of Chiropractic offers a four-year (ten trimesters) graduate program leading to the Doctor of Chiropractic degree. Logan offers modern facilities, extensive hands-on experiences, and the opportunity to be

taught by outstanding faculty members who provide a national standard for teaching and learning. The three year and four month Chiropractic program is divided into three phases: pre-clinical, clinical and advanced clinical. The pre-clinical phase, lasting four trimesters, consists of the basic science courses and the chiropractic performance-based courses. The clinical phase, totaling three trimesters, consists of chiropractic performance-based courses while the final phase is the advanced clinical phase, devoted to extensive clinical rotations, practice management, and administration courses. The combination of classroom studies and hands-on experiences totals more than five thousand hours spent preparing for a successful chiropractic practice.

CAREER OPPORTUNITIES

According to the Bureau of Labor Statistics, the job outlook for chiropractors in the next decade is strong. Consumer demand is expected to create "faster than average" growth for employment opportunities as demands for alternative approaches to healthcare grows. A 2005 survey conducted by Chiropractic Economics reported that the mean salary for chiropractors was \$104,363.

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**ADDITIONAL WEB SITES
FOR FURTHER INFORMATION**

Lewis University – www.lewisu.edu

Logan College of Chiropractic – www.logan.edu

International Chiropractors Association – www.chiropractic.org

American Chiropractic Association – www.acatoday.org

Council on Chiropractic Education – www.cce-usa.org

**3+3 BACHELOR OF SCIENCE BIOLOGY
COMBINED DEGREE PROGRAM LOGAN
COLLEGE OF CHIROPRACTIC**

Total Credit Hours 128

Major Credit Hours 65

(not including transfer of coursework from Logan)

A grade of “C” or better must be earned in a prerequisite course in order to advance to the next course in the sequence.

Biology majors may take a Biology class only two times. If the student has not achieved a minimum of a “C” after the second attempt, the student may not repeat the class.

The Biology Department will award 3 hours of credit for our general education class 02-100 (Introduction to Biology) when students have received a score of 4 or 5 on AP tests. We do not award any credit for major classes based on AP scores.

I. Core Courses

- 02-110 General Biology I (4)
- 02-111 General Biology I Lab (1)
- 03-110 General Chemistry I (4)
- 03-111 General Chemistry I Lab (1)
- 02-115 General Biology II (4)
- 02-116 General Biology II Lab (1)
- 03-115 General Chemistry II (4)
- 03-116 General Chemistry II Lab (1)
- 13-200 Calculus I (4) OR
- 13-211 Calculus for the Life Sciences (4)
- 02-220 Genetics (4)
- 02-221 Genetics Lab (1)
- 02-224 Microbiology (4)
- 02-226 Microbiology Laboratory (1)
- 03-220 Organic Chemistry I (4)
- 03-221 Organic Chemistry I Lab (1)
- 03-225 Organic Chemistry II (4)
- 03-226 Organic Chemistry II Lab (1)
- 02-320 Biometry (3)
- 02-335 Advanced Clinical Physiology (3)
- 02-336 Case Studies in Human Physiology (1)
- 02-355 Biochemistry I: Molecular Biochemistry with Clinical Correlates (3)
- 02-356 Biochemistry I Lab (1)
- 17-200 College Physics I (4)
- 17-201 College Physics I Lab (1)
- 17-205 College Physics II (4)
- 17-206 College Physics II Lab (1)

II. The advanced writing requirement of the General Education curriculum is satisfied by the successful completion of the following courses that contain strong writing components: General Biology Labs I and II and Microbiology Lab.

**PARADIGM FOR B.S. IN BIOLOGY / DOCTOR OF CHIROPRACTIC
COMBINED DEGREE PROGRAM**

FIRST YEAR

First Semester (18 hours)

General Biology I (4) and Lab (1)
General Chemistry (4) and Lab (1)
Calculus I (4) or Calculus for the Life Sciences (4)
Introduction to Human Communication (3)
Introduction to the College Experience (1)

Second Semester (16 hours)

General Biology II (4) and Lab (1)
General Chemistry II (4) and Lab (1)
College Writing I (3)
General Psychology (3)

SECOND YEAR

First Semester (16 hours)

Genetics (4) and Lab (1)
Organic Chemistry (4) and Lab (1)
College Writing II (3)
Culture and Civilization I (3)

Second Semester (16 hours)

Microbiology (4) and Lab (1)
Organic Chemistry II (4) and Lab (1)
Introduction to Philosophy (3)
Culture and Civilization II (3)

THIRD YEAR

First Semester (18 hours)

Biochemistry I (3) and Lab (1)
College Physics I (4) and Lab (1)
Theology I (3)
Cultural Diversity (3)
Ethics (3)

Second Semester (16 hours)

Advanced Clinical Physiology (3)*
Case Studies in Human Physiology (1)*
College Physics II (4) and Lab (1)
Fine Arts (3)
Theology II (3)

** these courses may be substituted with Biochemistry II and
the associated Lab*

This paradigm requires the student to take two general education courses during the summer term or as an overload (19 hours) during one of the 16 hour semesters. Based upon the current outline, those courses would be:

1. Literature
2. Economics

At the end of the Junior year, provided all pre-requisites were met successfully (coursework completed; 3.2 GPA maintained – no grade less than a “C” in pre-requisite science/math courses), the student would transfer to Logan College of Chiropractic to begin doctoral studies. These first year courses would also serve as Senior year coursework at Lewis University.

Logan Trimester I

Gross Anatomy
Spinal Anatomy
Cell Biology
Histology
Non-Science Chiropractic Courses

Logan Trimester II

Gross Anatomy
Neuroanatomy
Biochemistry
Non-Science Chiropractic Courses

Logan Trimester III

Embryology
Microbiology
Pathology
Physiology
Non-Science Chiropractic Courses



Visit www.lewisu.edu for more information.