

# B.S. in Biology: Pre-Chiropractic Medicine Concentration

## Program Description

The pre-chiropractic Medicine concentration of the Bachelor of Science in Biology prepares students for the advanced training offered by professional chiropractic schools. Students are advised to tailor their curriculum to those courses that will best prepare them for professional schools. Almost all courses include a laboratory component where students gain experience using various scientific instruments, study the practical application of scientific theories and apply course content.

## Delivery Mode

Traditional

## Articulated Agreements

Our department has articulated agreements with chiropractic colleges (e.g., Logan University College of Chiropractic, New York Chiropractic, Palmer Chiropractic) to facilitate students' transition post-graduation.

## Curriculum

Course	Credits
<b>General Education Courses</b>	<b>42</b>
<i>Building a Sense of Community</i> <b>UNI 100</b> First-Year Seminar	1
<i>Composition</i> <b>ENG 101</b> English Composition I	3
<i>Public Speaking</i> Any Oral Communication Course	3
<i>Mathematics and Quantitative Literacy</i> <b>MAT 273</b> Applied Calculus OR <b>MAT 281</b> Calculus I	3
<i>Health and Wellness</i> Any Health and Wellness Course	3
<i>Technological Literacy</i> Any Technological Literacy Course	3
<i>Humanities</i> Any Humanities Course	3
<i>Fine Arts</i> Any Fine Arts Course	3
<i>Natural Sciences</i> <b>PHY 121</b> General Physics I	4
<i>Social Sciences</i> Any Social Science Course	3
<i>General Education Options</i>	13

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Course	Credits
<ul style="list-style-type: none"> <li>• Any Ethics and Multicultural Awareness Emphasis Course*</li> <li>• <b>ENG 102</b> Composition II</li> <li>• <b>CHE 101</b> General Chemistry I</li> <li>• Any Other Student-Selected Course</li> </ul>	
<b>Required Major Courses</b>	<b>44</b>
<b>BIO 120</b> General Zoology	4
<b>BIO 125</b> General Botany	4
<b>BIO 215</b> Cellular and Molecular Biology	4
<b>BIO 218</b> Genetics	4
<b>BIO 306</b> Human Anatomy	4
<b>BIO 326</b> General Microbiology	4
<b>BIO 328</b> Human Physiology	4
<b>BIO 480</b> Cell Biology	4
<b>PHY 122</b> General Physics II	4
<b>CHE 102</b> General Chemistry II	4
<b>CHE 331</b> Organic Chemistry I	4
<b>Related Electives</b>	<b>16</b>
Select from 300- or 400-level BIO/ENS courses and CHE 415	16
<b>Free Electives</b>	<b>18</b>
<b>Total</b>	<b>120</b>

\* Ethics and Multicultural Awareness Emphasis Course: Recommended either PHI 307 (Medical Ethics) or PHI 308 (Bioethics).

Additional requirements, not counted toward the General Education requirements, include:

- **Special Experience Course (1 course required):** Any Special Experience Course
- **Writing-Intensive Component Courses (2 courses required):** Any two BIO or ENS Upper-Division Writing Component Courses
- **Laboratory Course (1 course required):** BIO 215 Cellular and Molecular Biology

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**Program Note:** Chemistry minor (20 credits) recommended for those students intending to pursue graduate or professional school. (Must declare minor with chair of the Department of Mathematics and Physical Sciences.)

### Program Webpage

<https://www.calu.edu/academics/undergraduate/bachelors/biology/pre-professional/>