

# CM Program Code Bachelor of Science in Human Biology

Draft | Fall 2023

## Proposal Information

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### Workflow Status

Proposal not yet submitted for approval.

## Proposal Information

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### Sponsoring faculty/staff member

Sherry Nelson

### Sponsoring faculty/staff email

svnelson@unm.edu

### College

College of Arts & Sciences

### Department

Anthropology

### Campus

Main Campus

## Effective Term and Year

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### Proposed Effective Term and Year

Fall 2023

## Justification

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### Program Justification

We are seeking to convert a Human Biology concentration in Anthropology into a B.S. degree in Human Biology. Students and post baccalaureate programs fail to associate Anthropology degrees with STEM. A B.S. in Human Biology will better represent the true nature of our program and provide our students with the best opportunities in seeking further professional development, especially for health sciences.

## Associated Forms

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Select any associated course forms that exist

Select any associated program forms that exist

## Program Category and Level

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<b>Program Category</b> Program	<b>Program Level</b> Undergraduate	<b>Degree, Minor, or Certificate Name</b> Bachelor of Science in Human Biology
<b>New Graduate Program</b> No	<b>Dual Degree</b> No	<b>New Undergrad Degree/Certificate</b> Yes

## Catalog Information

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### Program Description

Human Biology is a dynamic, multidisciplinary program that provides students with an introduction to biological, behavioral, and health sciences. It is essentially an organismal biology program that focuses on humans. Through a combination of coursework in Anthropology, Biology, Psychology, Population Health, and Chemistry, students will gain skillsets that will prepare them for future careers in STEM, including medical tracks and allied health fields.

The major requires one of the following minors: Biology, Population Health, Psychology, Chemistry, or Distributed Minor comprising classes among the four disciplines.

### Admissions Requirements

### Graduation Requirements

Students must earn a letter grade of "C" or better in all classes (**not "C-"**). All Human Biology majors must complete a **an approved minor**: Biology, Psychology, Population Health, Chemistry, or a distributed minor across these departments.

## Program Information

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### Degree Type

Bachelor of Science

### Degree/Certificate Type

Undergraduate

### CIP Code ⓘ

45.0202

### CIP Title ⓘ

Physical Anthropology

## Professional Credential/Licensure Program Information

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### Licensure Information

Neither

## File Uploads

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**Proposal File Upload**

- Human Biology full proposal.pdf
- Biology correspondence.pdf

**Executive Summary Upload**

- Human Biology pre-proposal.pdf

**Associate Provost Memo**

- B\_S\_Human Biology Pre-Proposal.pdf

## Degree Information

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**Degree Hours**

120

**Minimum Major Hours**

36

**Professional Accrediting Bodies**

## Degree Requirements

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## Requirements

- Complete all of the following
  - Complete the following:
    - ANTH1135 - Introduction to Biological Anthropology (3)
    - ANTH1135L - Introduction to Biological Anthropology Laboratory (1)
    - ANTH2135 - Human Biology: Evolution, Life History, and Health (3)
    - ANTH350 - Human Genetics and Genomics (3)
    - ANTH357 - Human Evolution (3)
  - Complete at least 1 of the following:
    - ANTH360 - Human Behavioral Ecology (3)
    - ANTH363 - Primate Social Behavior (3)
  - Complete at least 1 of the following:
    - ANTH351L - Anthropology of the Skeleton (4)
    - ANTH390L - Human Evolutionary Physiology and Anatomy (4)
  - Earn at least 3 credits from the following types of courses:  
A 400-level course in Evolutionary Anthropology.
  - Earn at least 13 credits from the following types of courses:  
4-5 Anthropology electives
  - The major requires one of the following minors: Biology, Population Health, Psychology, Chemistry, or Distributed Minor comprising classes among the four disciplines.
  - Earn at least 84 credits from the following types of courses:  
In addition to the program-specific requirements outlined here, all undergraduate students are required to fulfill UNM's General Education Program requirements and other general undergraduate degree requirements to earn a minimum of 120 credits. In some instances, courses included in an undergraduate degree program's requirement may also fulfill a General Education requirement. Please review the General Education Program in this Catalog for General Education information. This major requires one of the following minors: Biology, Population Health, Psychology, Chemistry, or Distributed Minor comprising classes among the four disciplines.

**Grand Total Credits: 120**

## Concentrations

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### Program Concentrations

**Code**

**Title**

### Concentration Required

No

## Emphases

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**Emphasis required** ⓘ

No

**Emphasis Hours****Emphasis Rules**

No Rules

## Sample Degree Plan

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**Sample Degree Plan Upload**

- BS-ANTH-HUBI Roadmap 2022.xlsx

## Program Learning Outcomes

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**Learning Outcomes**

1. Use the principles of evolution to analyze inheritance, variation, and the evolution of human characteristics.
2. Use a scientific methodology to distinguish among competing hypotheses about the nature and causes of behavioral, sociological, genetic, and phenotypic variation in archaic and extant humans.
3. Demonstrate knowledge of human anatomy and physiology in healthy and disease states.
4. Synthesize ecological, anatomical, physiological, behavioral, and genetic evidence for the evolution of unique human features, including those related to human life history, health and disease
5. Perform statistical analyses of data, solve equations, construct and interpret graphs in the context of hypothesis testing.