CON Cancer Biol MS
Cancer Biology

Under Review | Spring 2027

Proposal Information

Status

Changes

~~Active~~**Inactive**

Workflow Status

In Progress

Refresh **Form Submission, Proposer** collapse

Submitted for Approval | Proposer

✔ Virginia Villegas | 8/20/2026 1:43 PM

Department Chair Pre-Approval, Biomedical Sciences Graduate Program

Approved | Department Chair

✔ Virginia Villegas

Approve to deactivate

8/20/2026 3:13 PM

HSC Technical Check Approval, Registrar Technical Check

Approved | HSC Technical Check

✔ Todd Hynson | 8/21/2026 12:27 PM

SOM Dean, School of Medicine

Approved | College or School approver

✔ Teresa A. Vigil-Baca | 8/21/2026 12:28 PM

HSC Library Approval, HSC Library

Approved | Library Approval

✔ Melissa Rethlefsen | 8/21/2026 1:23 PM

SGPC Approval, Faculty Senate Graduate and Professional Committee

Approved | Chair

✔ Robben Brown | 10/16/2026 9:25 AM

FSCC Member notification, Faculty Senate Curriculum Committee

Notification Sent | Faculty Senate Curriculum Committee Member

✉ Joe Anderson
✉ Laura Belmonte
✉ Sara Ice
✉ Mary Rice
✉ John Russell
✉ SueNoell Stone
✉ Jonathan Wheeler
✉ Kirsten Thomson
✉ Paulo Dutra
✉ Randi Archuleta
✉ Joan Lucas
✉ Julia So
✉ Jennifer Henry
✉ Christopher Holden
✉ Justine Ponce

Isabella Goss
Vanessa Ferguson
Lauren McQuistion
Jennifer Laws
Robin A Gatlin
Tiffany L Otero
Sharon Schaaf

Faculty Senate Curriculum Committee Approval, Faculty Senate Curriculum Committee
Approved | Faculty Senate Curriculum Committee Chair

✔ Janet Vassilev

FSCC voted to approve this form 11/13/26.
11/13/2026 1:41 PM

− Nicole Capehart

HSC Vice President Academic Affairs Approval, HSC Vice President Academic Affairs
Approved | HSC Vice President Academic Affairs

✔ Shelly McLaughlin | 11/19/2026 7:50 AM

Faculty Senate, Faculty Senate
Waiting for Approval | Faculty Senate Approval

Nancy Middlebrook
Theresa Sherman

Registrar Office Final Approval/Processing, Registrar
Approval | Registrar final approval

Michael Raine
Maggie Sumruld

Notification, Proposer
Notification | Proposer

Virginia Villegas

EMRT notification, EMRT users
Notification | EMRT user

Enrollment Mgt Reporting Team

Lobotrax notification, LoboTrax Team
Notification | LoboTrax Staff

Sherri DeLeve
Paula Freitag
Hannah Epstein
Allie Martinez
Glenda Johnson

Changes

- Proposed Effective Term and Year
- Concentration Justification
- Sponsoring faculty/staff email
- Sponsoring faculty/staff member

Proposal Information

Proposed
Sponsoring faculty/staff member
Kathryn Frietze

Proposed
Sponsoring faculty/staff email
kfrietze@salud.unm.edu

Existing
Sponsoring faculty/staff member

Existing
Sponsoring faculty/staff email

College	Department	Campus
School of Medicine	Biomedical Sciences Graduate Program	Health Sciences Center (Albuquerque)

Effective Term and Year

Proposed
Proposed Effective Term and Year
Spring 2027

Existing
Proposed Effective Term and Year
Fall 2006

Justification

Proposed
Concentration Justification
Concentration is not offered to MS students in the BSGP. This was an error from Cascade to KUALI transfer.

Existing
Concentration Justification

Associated Forms

Select any associated Kuali course forms that exist

Select any associated Kuali program forms that exist

Document uploads

Program Information

Degree Name
MS BioMed Sci - Master of Science in Biomedical Sciences

Degree Type

Master of Science

Program Type

Graduate

Program Description
No Parent Selected

Degree Hours

36

Minimum Major Hours

Concentration Information

Concentration Title
Cancer Biology

Program Level
Graduate

Concentration Requirements

- Complete all of the following
  - Complete the following:
    - BIOM515 - Cancer Biology (3)
  - Complete at least 2 of the following:
    - BIOM509 - Principles of Neurobiology (3)
    - BIOM510 - Physiology (3)
    - BIOM514 - Immunobiology (3)
    - MPHY516 - Fundamentals of Medical Imaging (3)
    - PHRM576 - Molecular and Cellular Pharmacology (3)
  - Earn at least 4 credits from the following:
    - BIOM583 - Seminar: Pathology (1)
    - BIOM605 - Membrane Trafficking Seminar (1)
    - BIOM615 - Seminar: Signal Transduction and Cell Adhesion (1)
    - PHRM593 - Pharmaceutical Sciences and Toxicology Seminar (1)
  - Earned between 2 and 3 credits from the following:
    - BIOM505 - Special Topics in Biomedical Sciences (1 - 6)
    - STAT527 - Advanced Data Analysis I (3)
  - If BIOM 505 is chosen above, the topic must be Biostatistics and course is taken for 2 credits.
  - Earn at least 6 credits from the following:

- BIOM505 - Special Topics in Biomedical Sciences (1 - 6)
- PHRM598 - Topics in Pharmaceutical Sciences (1 - 3)
- BIOM510 - Physiology (3)
- BIOM540 - University Teacher Training (2)
- PH502 - Introduction to Epidemiology Public Health (3)
- PHRM536 - Introduction to Pharmacogenomics (2)
- PHRM576 - Molecular and Cellular Pharmacology (3)
- PHRM580 - General Toxicology (3)

- Note: to fulfill the above requirement students may take either BIOM 505 or PHRM 598 but not both. Topic for either course must be Cancer Focus.

Grand Total Credits: 21 - 22

Concentration Description

The concentration in Cancer Biology provides trainees with focused and individualized training in cancer-relevant disciplines. There are over 50 graduate faculty members constituting the University of New Mexico Cancer Center, which is an NIH-funded P30 Center with emphases on basic research, clinical translation and community studies. These faculty are extramurally funded and internationally recognized leaders in their fields and their trainees represent the next generation of cancer researchers charged with making cutting edge technological advances in genomics, imaging, molecular and drug discovery. The complexity of such medical advances also requires culturally sensitive community outreach and integration to assure that the dissemination of these advances will be effective and accepted by patients, caregivers and health care providers. In recognition of the need for greater interdisciplinary and transdisciplinary graduate training, the Cancer Biology concentration addresses new, national graduate training guidelines that require students to articulate individualized training goals and plans for targeted career development.

The flexible curriculum will enable students to choose from a menu of courses that offer training relevant to each of the four Cancer Center research programs: 1) Cancer Control and Disparities; 2) Cancer Genetics, Epigenetics and Genomics; 3) Translational Cancer Cell Biology and Signaling; and 4) Cancer Biotechnology, Drug Discovery and Targeted Delivery. The concentration is designed to offer required and elective courses as well as professional career development that is relevant to all four programs, yet with sufficient flexibility to enable trainees to focus on selected areas of interest. The reorganization of existing courses offered by different departments along with special topics short courses centered on breaking new areas into a single Cancer Biology concentration will both enhance recruitment of the best and the brightest graduate trainees and will in turn provide transdisciplinary, individualized training for students with an interest in cancer-focused research.

Registrar Office Only

CM Concentration Code	**Catalog**	**Catalog Activation Date**
CON Cancer Biol MS	Main Campus	08/01/06

Registrar Notes Only

BANP

Concentration Code