

**TEXAS TECH UNIVERISTY**  
**HEALTH SCIENCES CENTER**  
Graduate School *of* Biomedical Sciences

I. Program of Study

The Biochemistry, Cellular and Molecular Biology (BCMB) concentration offers a doctoral degree in Biomedical Sciences. At the time of admission into the PhD program, all students are subject to the requirements listed in the Texas Tech University Health Sciences Center Student Handbook (Code of Professional and Academic Conduct), the Graduate School of Biomedical Sciences Catalog, as well as the guidelines given below.

II. Program

A. Prerequisites for Admission into the BCMB Concentration:

- All students admitted into the GSBS PhD program are considered “Undeclared” and are required to take all the GSBS Core Curriculum courses in the Fall and complete all GSBS [IPE requirements](#)
- All Undeclared students are required to complete three lab rotations prior to declaring a concentration and choosing a lab.

B. Program Curriculum

- Program Curriculum – **For more in depth description of the courses, please see the [GSBS Catalog](#)**
- A minimum of 72 hours (48 Didactic, 12 Research, and 12 Dissertation) of graduate work are required for the PhD including:
  - Core courses: Core I (GSBS 5471) Core II (GSBS 5372), Core III, (GSBS 5373), Core IV (GSBS 5174), Core V (GSBS 5275)
  - Lab Rotations (GSBS 5098)
  - Responsible Conduct of Research (GSBS 5101)
  - Intro to Biostatistics (GSBS 5099)



**Spring (2<sup>nd</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 5130	Research Presentation Skills	1
GBCM 6333	Advanced Protein Biochemistry	3
GBCM 7000	Research	1
GBCM 7101	Seminar	1
GSBS 5101	Responsible Conduct of Research	1
	<b>Total</b>	<b>9</b>

**Summer (2<sup>nd</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7000	Research	6
	<b>Total</b>	<b>6</b>

**Fall (3<sup>rd</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7000	Research	5
GBCM 7101	Seminar	1
GBCM 53XX	Elective Course	3
	<b>Total</b>	<b>9</b>

**Spring (3<sup>rd</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 5130	Research Presentation Skills	1
GBCM 7000	Research	3
GBCM 7101	Seminar	1
GSBS 5099	Intro to Biostatistics	2
GBCM 52XX	Elective	2
	<b>Total</b>	<b>9</b>

**Summer (3<sup>rd</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7000	Research	6
	<b>Total</b>	<b>6</b>

**Fall (4<sup>th</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7000	Research	8
GBCM 7101	Seminar	1
	<b>Total</b>	<b>9</b>

**Spring (4<sup>th</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 5130	Research Presentation Skills	1
GBCM 7101	Seminar	1
GBCM 7000	Research	7
	<b>Total</b>	<b>9</b>

**Summer (4<sup>th</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7000	Research	6
	<b>Total</b>	<b>6</b>

**Fall (5<sup>th</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 7101	Seminar	1
GBCM 8000	Dissertation	8
	<b>Total</b>	<b>9</b>

**Spring (5<sup>th</sup> Year)**

Course Number	Course Name	Credit Hours
GBCM 5130	Research Presentation Skills	1
GBCM 7101	Seminar	1
GBCM 8000	Dissertation	7
	<b>Total</b>	<b>9</b>

C. Major Advisor and Advisory Committee

- In accordance to GSBS Policy the Advisory Committee shall be composed of at least four graduate faculty members (although at least five is preferable), with at least one GSBS faculty member. (GSBS Policy 4.03.c.1-c.5, (f), (g))

