



18 Characteristics of Texas Public Doctoral Programs¹

2009 Version - As required and defined by the Texas Higher Education Coordinating Board

Number of Degrees per Year

Biochemistry and Molecular Biology	5.7
Cell Biology	5.0
Experimental Pathology	6.3
Human Pathophysiology and Translational Medicine	2.7
Medical Humanities	2.7
Microbiology and Immunology	5.3
Neuroscience	4.3
Nursing	8.3
Pharmacology and Toxicology	3.3
Population Health Sciences	5.7

Definition: Rolling three-year average of the number of degrees awarded per academic year

Graduation Rate (%)

Biochemistry and Molecular Biology	Not Applicable ²
Cell Biology	100.0
Experimental Pathology	100.0
Human Pathophysiology and Translational Medicine	100.0
Medical Humanities	100.0
Microbiology and Immunology	100.0
Neuroscience	100.0
Nursing	100.0
Pharmacology and Toxicology	100.0
Population Health Sciences	100.0

Definition: Rolling three-year average of the percent of first-year doctoral students³ who graduated within ten years

¹ Programs included only if in existence 3 or more years. Program is defined at the 8-digit CIP code level.

² Not Applicable as program did not exist 10 years ago

³ First-year doctoral students: Those students who have been coded as doctoral students by the institution and have either completed a master's program or at least 30 SCH towards a graduate degree.

Average Time to Degree (Years)

Biochemistry and Molecular Biology	5.3
Cell Biology	4.6
Experimental Pathology	5.5
Human Pathophysiology and Translational Medicine	5.3
Medical Humanities	5.3
Microbiology and Immunology	5.5
Neuroscience	5.4
Nursing	5.3
Pharmacology and Toxicology	5.3
Population Health Sciences	4.2

Definition: Rolling three-year average of the registered time to degree of first-year doctoral students within a ten year period

Employment Profile (%)

(In field within one year of graduation)

	Employed in Academia	Post- doctorates	Industry / Professional	Government	Seeking Employment
Biochemistry and Molecular Biology	0.0	52.9	35.3	5.9	5.9
Cell Biology	0.0	33.3	26.7	0.0	40.0
Experimental Pathology	21.1	52.6	15.8	0.0	10.5
Human Pathophysiology and Translational Medicine	0.0	62.5	0.0	0.0	37.5
Medical Humanities	25.0	50.0	25.0	0.0	0.0
Microbiology and Immunology	18.8	43.8	25.0	0.0	12.5
Neuroscience	0.0	46.2	7.7	0.0	46.2
Nursing	52.0	0.0	48.0	0.0	0.0
Pharmacology and Toxicology	0.0	90.0	0.0	0.0	10.0
Population Health Sciences	58.8	17.6	17.6	0.0	5.9

Definition: Percentage of the last three years of graduates employed in academia, post-doctorates, industry / professional, government, and those still seeking employment (in Texas and outside Texas)

Percentage Full-time Students (FTS) with Financial Support (%)

Biochemistry and Molecular Biology	82.9
Cell Biology	100.0
Experimental Pathology	95.8
Human Pathophysiology and Translational Medicine	100.0
Medical Humanities	50.0
Microbiology and Immunology	100.0
Neuroscience	100.0
Nursing	62.5
Pharmacology and Toxicology	100.0
Population Health Sciences	87.5

Definition: In the prior year, the number of FTS (≥ 18 SCH) with support / the number of FTS

Average Financial Support Provided (\$)

Biochemistry and Molecular Biology	33,389
Cell Biology	34,751
Experimental Pathology	34,751
Human Pathophysiology and Translational Medicine	34,751
Medical Humanities	30,600
Microbiology and Immunology	34,500
Neuroscience	34,129
Nursing	25,881
Pharmacology and Toxicology	34,751
Population Health Sciences	34,751

Definition: For those receiving financial support, the average financial support provided per full-time graduate student (including tuition rebate) for the prior year, including research assistantships, teaching assistantships, fellowships, tuition, benefits, etc. that is 'out-of-pocket'

Student-Core Faculty⁴ Ratio

Biochemistry and Molecular Biology	0.8 : 1
Cell Biology	0.3 : 1
Experimental Pathology	0.5 : 1
Human Pathophysiology and Translational Medicine	0.2 : 1
Medical Humanities	1.4 : 1
Microbiology and Immunology	1.0 : 1
Neuroscience	0.3 : 1
Nursing	3.8 : 1
Pharmacology and Toxicology	0.9 : 1
Population Health Sciences	4.0 : 1

Definition: Rolling three-year average of full-time student equivalent (FTSE) / rolling three-year average of full-time faculty equivalent (FTFE) of core faculty

Core Faculty Publications

Biochemistry and Molecular Biology	3.4
Cell Biology	5.9
Experimental Pathology	7.5
Human Pathophysiology and Translational Medicine	3.9
Medical Humanities	1.3
Microbiology and Immunology	2.5
Neuroscience	3.9
Nursing	1.3
Pharmacology and Toxicology	2.9
Population Health Sciences	4.9

Definition: Rolling three-year average of the number of discipline-related refereed papers / publications, juried creative / performance accomplishments, book chapters, notices of discoveries filed / patents issued, and books per year per core faculty member

⁴ Core Faculty: Full-time tenured and tenure-track faculty who teach 50 percent or more in the doctoral program or other individuals integral to the doctoral program who can direct dissertation research.

Core Faculty External Grants

	Number Receiving External Funds	Average External Grant \$ / Faculty	Program Total External Grant \$
Biochemistry and Molecular Biology	33.7	633,950	21,342,979
Cell Biology	25.0	404,505	10,112,613
Experimental Pathology	35.0	1,331,378	46,598,218
Human Pathophysiology and Translational Medicine	9.0	276,125	2,485,126
Medical Humanities	4.0	50,709	202,835
Microbiology and Immunology	12.7	1,002,350	12,696,428
Neuroscience	16.3	395,924	6,466,760
Nursing	5.7	247,707	1,403,671
Pharmacology and Toxicology	10.3	588,976	6,086,081
Population Health Sciences	14.0	663,736	9,292,301

Definition: Rolling three-year average of the number of core faculty receiving external funds, average external grant \$ per faculty, and total external grant \$ per program per academic year

Percentage Full-Time Students (%)

Biochemistry and Molecular Biology	96.8
Cell Biology	95.2
Experimental Pathology	98.7
Human Pathophysiology and Translational Medicine	88.2
Medical Humanities	87.5
Microbiology and Immunology	98.3
Neuroscience	100.0
Nursing	66.7
Pharmacology and Toxicology	100.0
Population Health Sciences	75.3

Definition: Rolling three-year average of the FTS (≥ 9 SCH) / number students enrolled (headcount) for last three fall semesters

Number of Core Faculty

Biochemistry and Molecular Biology	54
Cell Biology	58
Experimental Pathology	52
Human Pathophysiology and Translational Medicine	19
Medical Humanities	9
Microbiology and Immunology	40
Neuroscience	26
Nursing	16
Pharmacology and Toxicology	12
Population Health Sciences	Pending

Definition: Number of core faculty in the prior year

Faculty Teaching Load

Biochemistry and Molecular Biology	Pending
Cell Biology	14.6
Experimental Pathology	77.4
Human Pathophysiology and Translational Medicine	7.3
Medical Humanities	29.9
Microbiology and Immunology	Pending
Neuroscience	12.4
Nursing	18.9
Pharmacology and Toxicology	20.0
Population Health Sciences	3.3

Definition: Total number of semester credit hours in organized teaching courses taught per academic year by core faculty divided by the number of core faculty in the prior year

Date of Last External Review

Biochemistry and Molecular Biology	Pending
Cell Biology	2006
Experimental Pathology	2008
Human Pathophysiology and Translational Medicine	2006
Medical Humanities	2003
Microbiology and Immunology	2006
Neuroscience	2007
Nursing	2006
Pharmacology and Toxicology	2006
Population Health Sciences	2004

Definition: Date of last formal external review, updated when changed

External Program Accreditation

Biochemistry and Molecular Biology	Not Applicable
Cell Biology	Not Applicable
Experimental Pathology	Not Applicable
Human Pathophysiology and Translational Medicine	Not Applicable
Medical Humanities	Not Applicable
Microbiology and Immunology	Not Applicable
Neuroscience	Not Applicable
Nursing	Not Applicable
Pharmacology and Toxicology	Not Applicable
Population Health Sciences	Not Applicable

Definition: Name of body and date of last program accreditation review, if applicable, updated when changed

Note: The University of Texas Medical Branch at Galveston is accredited by the Commission on Colleges (COC) of the Southern Association of Colleges and Schools (SACS).

Student Publications / Presentations

Biochemistry and Molecular Biology	1.6
Cell Biology	1.5
Experimental Pathology	2.1
Human Pathophysiology and Translational Medicine	1.0
Medical Humanities	1.2
Microbiology and Immunology	Pending
Neuroscience	1.4
Nursing	0.5
Pharmacology and Toxicology	0.7
Population Health Sciences	0.7

Definition: Rolling three-year average of the number of discipline-related refereed papers / publications, juried creative / performance accomplishments, book chapters, books, and external presentations per year per student

Faculty Diversity

Biochemistry and Molecular Biology	Male	Female	Total
White	24	6	30
Black	0	0	0
Hispanic	5	0	5
Other	14	5	19
Total	43	11	54

Cell Biology	Male	Female	Total
White	17	5	22
Black	0	1	1
Hispanic	1	1	2
Other	25	8	33
Total	43	15	58

Experimental Pathology	Male	Female	Total
White	27	2	29
Black	2	1	3
Hispanic	3	0	3
Other	12	5	17
Total	44	8	52

Human Pathophysiology and Translational Medicine	Male	Female	Total
White	7	0	7
Black	0	0	0
Hispanic	0	1	1
Other	8	3	11
Total	15	4	19

Medical Humanities	Male	Female	Total
White	3	4	7
Black	1	1	2
Hispanic	0	0	0
Other	0	0	0
Total	4	5	9

Microbiology and Immunology	Male	Female	Total
White	15	4	19
Black	1	0	1
Hispanic	1	0	1
Other	13	6	19
Total	30	10	40

Faculty Diversity

Neuroscience	Male	Female	Total
White	9	5	14
Black	0	0	0
Hispanic	1	0	1
Other	7	4	11
Total	17	9	26

Nursing	Male	Female	Total
White	0	13	16
Black	0	1	1
Hispanic	0	1	1
Other	0	1	1
Total	0	16	16

Pharmacology and Toxicology	Male	Female	Total
White	5	1	6
Black	0	0	0
Hispanic	1	0	1
Other	2	3	5
Total	8	4	12

Population Health Sciences	Male	Female	Total
White	13	8	21
Black	0	0	0
Hispanic	0	0	0
Other	2	1	3
Total	15	9	24

Definition: Core faculty by ethnicity (White, Black, Hispanic, Other) and gender, updated when changed

Student Diversity

Biochemistry and Molecular Biology	Male	Female	Total
White	10	4	14
Black	0	1	1
Hispanic	3	2	5
Other	17	9	26
Total	30	16	46

Cell Biology	Male	Female	Total
White	2	7	9
Black	0	0	0
Hispanic	1	1	2
Other	5	8	13
Total	8	16	24

Experimental Pathology	Male	Female	Total
White	2	7	9
Black	0	0	0
Hispanic	1	1	2
Other	5	8	13
Total	8	16	24

Human Pathophysiology and Translational Medicine	Male	Female	Total
White	1	0	1
Black	0	0	0
Hispanic	0	0	0
Other	4	0	4
Total	5	0	5

Medical Humanities	Male	Female	Total
White	5	9	14
Black	0	0	0
Hispanic	0	0	0
Other	2	3	5
Total	7	12	19

Microbiology and Immunology	Male	Female	Total
White	6	14	20
Black	2	3	5
Hispanic	1	1	2
Other	8	4	12
Total	17	22	39

Student Diversity

Neuroscience	Male	Female	Total
White	0	2	2
Black	0	0	0
Hispanic	0	0	0
Other	7	3	10
Total	7	5	12

Nursing	Male	Female	Total
White	2	18	20
Black	0	6	6
Hispanic	1	2	3
Other	0	4	4
Total	3	30	33

Pharmacology and Toxicology	Male	Female	Total
White	3	1	4
Black	1	1	2
Hispanic	3	0	3
Other	3	4	7
Total	10	6	16

Population Health Sciences	Male	Female	Total
White	5	12	17
Black	0	0	0
Hispanic	1	3	4
Other	2	2	4
Total	8	17	25

Definition: Enrollment headcount by ethnicity (White, Black, Hispanic, Other) and gender in program in the prior year

Admissions Criteria

Biochemistry and Molecular Biology

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Cell Biology

- Bachelor's degree
 - Very Important
 - GRE Score
 - GPA
 - Research or other relevant experience
 - Letters of reference
 - Not so Important (but still consider)
 - Personal statement
 - Availability of opportunity for training in the desired field
 - If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
 - Ability to communicate in English
 - Background for and commitment to a career of scholarly endeavor in the field of study
 - Not Important
 - Unique educational, career, or life experiences
 - Socioeconomic background
 - Race and ethnicity
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Admissions Criteria

Experimental Pathology

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Ability to communicate in English

Human Pathophysiology and Translational Medicine

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Admissions Criteria

Medical Humanities

Applicants to the Medical Humanities Graduate Program are expected to satisfy all the basic requirements for admission to a degree program in UTMB's Graduate School of Biomedical Sciences:

- A bachelor's degree from a regionally accredited institution or an advanced degree and training from an acceptable foreign institution of higher education.
- A recommended undergraduate grade point average of at least 3.0 (on a 4.0 scale).
- Grades received in graduate courses, which are computed separately, are also considered in evaluation of the application.
- Official GRE scores for verbal, quantitative, and writing sections must be provided.
- The Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) is required if English is not the native language. The minimum requirement on the TOEFL is 550 or greater on the paper-based test, or 213 or greater on the computer-based test or 6.5 for the IELTS Academic Test.
- Adequate subject preparation for the proposed graduate major.

Preference will be given to applicants with an advanced degree in bioethics, history, law, literature, philosophy, or religious studies; a closely allied program in the humanities or social sciences; or one of the health sciences or professions. Students entering with a B.A. degree alone will be evaluated after one year to determine whether they may continue beyond the master's degree. Personal interviews with members of the IMH faculty are encouraged. Demonstrated reading competence in at least one foreign language is strongly encouraged and will be required for students doing comparative or international research. Completed applications must be received by February 1. Applications are ordinarily considered in March and April, with admission for the following fall term. In addition to the documents requested by the Graduate School of Biomedical Sciences, the Medical Humanities Graduate Program requires applicants to submit a sample of their written work, five pages or longer, directly to the Program.

Admissions Criteria

Microbiology and Immunology

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Neuroscience

- Bachelor's degree (Requirement)
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Admissions Criteria

Nursing

- BSN or MSN preferred
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity
- Interview

Pharmacology and Toxicology

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Admissions Criteria

Population Health Sciences

- Bachelor's degree
- GPA
- GRE Score
- If native language not English, then minimum TOEFL score of 550 (paper), 213 (computer-based), or 80 (internet-based), or minimum IELTS of 6.5
- Research or other relevant experience
- Letters of reference
- Background for and commitment to a career of scholarly endeavor in the field of study
- Availability of opportunity for training in the desired field
- Unique educational, career, or life experiences
- Personal statement
- Socioeconomic background
- Ability to communicate in English
- Race and ethnicity

Definition: Description of admission factors
