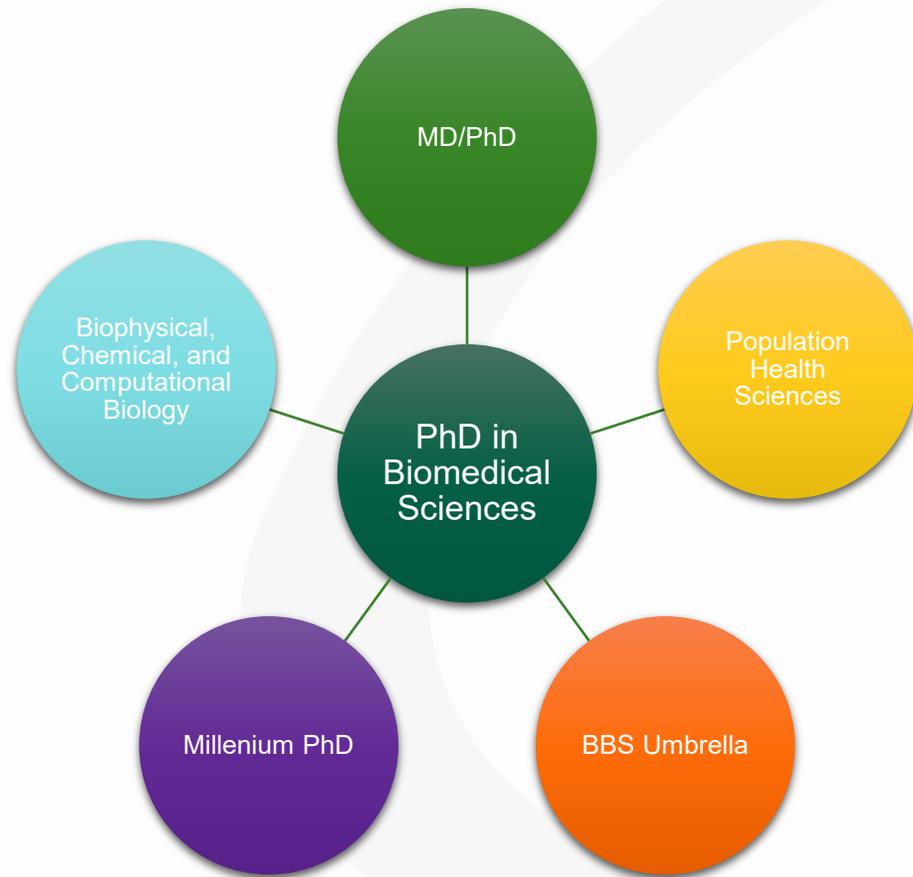


A new Graduate Training Program of Study for the PhD in Biomedical Sciences



Morningside
Graduate School of
Biomedical Sciences

Morningside GSBS Enrollment Pathways



RNA Therapeutics and Biology (RTB) Program

Falls under the Basic Biomedical Sciences (BBS) Umbrella Pathway

Common admission and core requirements with other BBS programs

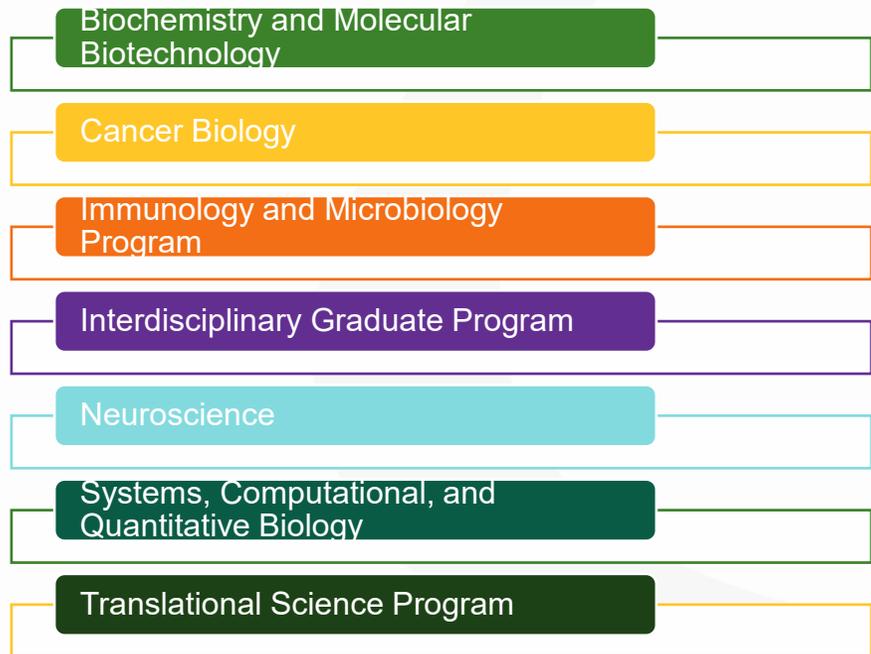
Students formally affiliate with specific BBS programs at the end of Year 1

Curriculum and co-curriculum tailored to objectives

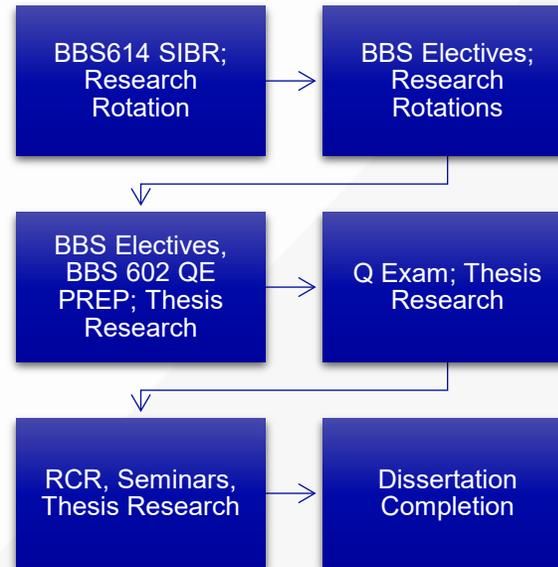
Recognized in governance

Basic Biomedical Sciences Umbrella Programs

Currently Seven Programs, mostly thematic

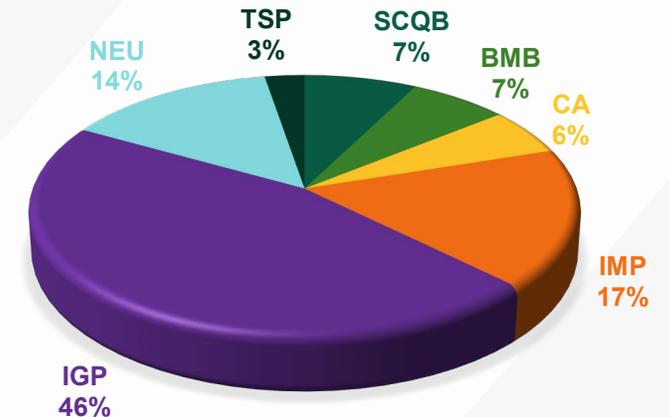


Common requirements & timeline, Program electives



Spring Yr 1 BBS Students affiliate with one program

UMBRELLA STUDENT PROGRAM DISTRIBUTION



New BBS Umbrella Program: RNA Biology and Therapeutics (RTB)

RNA Biology is fundamental to life sciences; RNA-based Therapeutics is a fast-growing market

An RNA Biology and Therapeutics Training Program is nearly unique in the US

UMass Chan is a recognized leader in RNA Biology and Therapeutics research

The UMass Chan RTI is an outstanding, committed, in-demand biomedical training ecosystem

- Field-leading faculty
- Highest GSBS student census
- Faculty/staff roles support mentoring, education, career development

Substantial program infrastructure already in existence

Leadership

- *David Grunwald*
- *Angela MessmerBlust*
- *Phil Zamore*

Membership

- *RTI Faculty*
- *Others by Approval of RTB Executive Committee*

Academic and Mentoring Plans

RTB Academic Plan*

	Fall	Spring	Summer
Year 1	BBS614 SIBR Research Rotation	BBS718* RNA Biology I Other Elective Rotations	Thesis Research
Year 2	BBS ### RNA Biology II BBS602 QE Prep	Q Exam Thesis Research	Thesis Research
Year 3	RCR, Seminars, Workshops Thesis Research	Thesis Research, Seminars	Thesis Research
Year 4-6	Seminars, Workshops, Research, and Completion		

Key Features of RTB Mentoring Oversight Plan

Active role in conflict resolution and mitigation of mentor mismatch

Active monitoring TRAC reporting and intervention when progress is unsatisfactory

Early intervention to prevent extended time to degree

Department culture of faculty mentoring includes "mentoring the mentors"

Educational Effectiveness

Student Success Beyond GSBS Requirements

Students prepare and discuss IDP with TRAC and Advisor annually*

Students present research progress at RTI Chalk Talk and RNA Therapeutics Symposium Annually

Students present and discuss career planning progress with Career and Professional Development staff

Students attend an international conference and present their work

Students present a manuscript draft before Year Five

Self-monitored Program Metrics

Program Recruitment Targets 

Program leadership participation in recruitment and graduate education-oriented conferences

Advancement to Candidacy rate

Mean, median, and right-tail Time to Degree monitoring

Co-curricular Competency-based Educational Requirements

- All eligible students submit an individual fellowship application (NRSA F, GRFP, Foundations)
- Students will engage with existing skills-based and thematic Clubs
- Professional engagement with experts in RNA Biology
- Presentations at Annual RNA Therapeutics Symposium
- Community Engagement and Advocacy

Morningside Graduate School of Biomedical Sciences Process to Date

