

GMB Coursework Requirements

(applicable to students entering Summer 2016 and later)

All students must be enrolled in a minimum of 9 credit hours per semester to be a full-time student. For 1st and 2nd year students, a reasonable course load is 11-14 credit hours per semester. Consult your DGS or PD to choose electives.

All students are required to take the following core courses: IBS 555, IBS 561, IBS 515, IBS522r, and IBS 500r.

The table below lists out the sequence in which students should complete these core courses.

In addition, students must also successfully complete the following requirements by the end of Year 2, but have some flexibility in when they choose to complete them:

- IBS 500r (Topics in Bioscience, 3 hrs) is required for all students entering Summer 2016 and later. It is also a pre-requisite for IBS 574 (Comp Bio & Bioinformatics, 4 hrs), which is *not* required, but highly recommended. IBS 500r is only offered in the fall semester. Note: if you have not taken a Biostats course before, you will need to take BIOS 505 before IBS 500r, which is offered only in the spring semester.
- Students must also take one of the following courses before the end of Y2, which are only offered in the fall semester (note: many students take more than one of these):
 - o IBS 504 (Prok Mol Genetics, 6 hrs)
 - o IBS 560 (Model Genetic Systems, 4 hrs)
 - o IBS 746 (Grad Human Genetics, 4 hrs)

Year 1 Fall	Year 1 Spring
Core courses: IBS 546r (Presenting Genetics) 1 hr IBS 555 (Basic Biomed & Biol Sci) 6 hrs GMB 597r (Lab Rotations) VC (select 3+ hrs) ^JPE 600 (LGS Ethics Class) 0 hrs	Core courses: IBS 546r (Presenting Genetics) 1 hr GMB 570r (Intro Grad Seminar) 2 hrs GMB 597r (Lab Rotations) VC (select 3+ hrs) GMB 706 (Ethical Conduct) 1 hr IBS 561 (Euk Chromosome Funct) 4 hrs
Year 2 Fall	Year 2 Spring
Core courses: IBS 515 (Topics Mol Genetics) 2 hrs IBS 546r (Presenting Genetics) 1 hr IBS 699r (Adv Graduate Research) VC (select 3+ hrs) ^TATT 600 (TA Training) 0 hrs	Core courses: IBS 522r (Grant Writing & Pro Dev) 4 hrs IBS 546r (Presenting Genetics) 1 hr IBS 699r (Adv Graduate Research) VC (select 3+ hrs) GMB 706 (Ethical Conduct) 1 hr ^TATT 605 (Teaching Assistantship) 0 hrs
Year 3 Fall (before candidacy)	Year 3 Spring (before candidacy)
Core courses: IBS 546r (Presenting Genetics) 1 hr IBS 699r (Adv Graduate Research) VC (select 8+ hrs)	Core courses: IBS 546r (Presenting Genetics) 1 hr IBS 699r (Adv Graduate Research) VC (select 8+ hrs)
Year 4+ Fall (after candidacy)	Year 4+ Spring (after candidacy)
Core courses: IBS 546r (Presenting Genetics) 1 hr GMB 799r (Dissertation Research) VC (select 8+ hrs)	Core courses: IBS 546r (Presenting Genetics) 1 hr GMB 799r (Dissertation Research) VC (select 8+ hrs)

[^] LGS will register you for these courses

VC = Variable Credits (system defaults to 1 hour, change to correct number)

Suggested Course Schedules

If you want to focus on wet lab experimentation:

Year 1 Fall		Year 1 Spring	
IBS 500r (Topics in Bioscience)	3 hrs	IBS 546r (Presenting Genetics)	1 hr
IBS 546r (Presenting Genetics)	1 hr	IBS 561 (Euk Chromosome Funct)	4 hrs
IBS 555 (Basic Biomed & Biol Sci)	6 hrs	GMB 570r (Intro Grad Seminar)	2 hrs
GMB 597r (Lab Rotations)	VC (select 3+ hrs)	GMB 597r (Lab Rotations)	VC (select 3+ hrs)
^JPE 600 (LGS Ethics Class)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
		IBS 574 (Comp Bio & Bioinform)	4 hrs
And one of the following:			
IBS 504 (Prok Mol Genetics)	6 hrs		
IBS 560 (Model Genetic Systems)	4 hrs		
IBS 746 (Grad Human Genetics)	4 hrs		
Year 2 Fall		Year 2 Spring	
IBS 515 (Topics Mol Genetics)	2 hrs	IBS 522r (Grant Writing & Pro Dev)	4 hrs
IBS 546r (Presenting Genetics)	1 hr	IBS 546r (Presenting Genetics)	1 hr
IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)	IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)
^TATT 600 (TA Training)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
		^TATT 605 (Teaching Assistantship)	0 hrs
And one of the following:			
IBS 504 (Prok Mol Genetics)	6 hrs		
IBS 560 (Model Genetic Systems)	4 hrs		
IBS 746 (Grad Human Genetics)	4 hrs		

Same focus as above, but if you do not have sufficient background to take IBS 500R in Year 1 Fall:

Year 1 Fall		Year 1 Spring	
IBS 546r (Presenting Genetics)	1 hr	IBS 546r (Presenting Genetics)	1 hr
IBS 555 (Basic Biomed & Biol Sci)	6 hrs	IBS 561 (Euk Chromosome Funct)	4 hrs
GMB 597r (Lab Rotations)	VC (select 3+ hrs)	GMB 570r (Intro Grad Seminar)	2 hrs
^JPE 600 (LGS Ethics Class)	0 hrs	GMB 597r (Lab Rotations)	VC (select 3+ hrs)
		GMB 706 (Ethical Conduct)	1 hr
		*BIOS 505 (Stats for Experimental Bio)	4 hrs
And one of the following:			
IBS 504 (Prok Mol Genetics)	6 hrs		
IBS 560 (Model Genetic Systems)	4 hrs		
IBS 746 (Grad Human Genetics)	4 hrs		
Year 2 Fall		Year 2 Spring	
IBS 515 (Topics Mol Genetics)	2 hrs	IBS 522r (Grant Writing & Pro Dev)	4 hrs
IBS 546r (Presenting Genetics)	1 hr	IBS 546r (Presenting Genetics)	1 hr
IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)	IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)
^TATT 600 (TA Training)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
IBS 500R (Topics in Bioscience)	3 hrs	^TATT 605 (Teaching Assistantship)	0 hrs
		IBS 574 (Comp Bio & Bioinform)	4 hrs

*Students interested in BIOS courses must receive prior approval from the course instructor and Melissa Sherrer (msherre@emory.edu) from the Rollins School of Public Health Biostatistics Department.

Suggested Course Schedules

If you want to focus on dry lab quantitative experimentation or if you already have a strong quantitative background:

Year 1 Fall		Year 1 Spring	
IBS 500r-03R (Topics in Bioscience)	3 hrs	IBS 546r (Presenting Genetics)	1 hr
IBS 546r (Presenting Genetics)	1 hr	GMB 570r (Intro Grad Seminar)	2 hrs
IBS 555 (Basic Biomed & Biol Sci)	6 hrs	GMB 597r (Lab Rotations)	VC (select 3+ hrs)
GMB 597r (Lab Rotations)	VC (select 3+ hrs)	GMB 706 (Ethical Conduct)	1 hr
^JPE 600 (LGS Ethics Class)	0 hrs	*BIOS 511 (Statistical Inference I)	4 hrs
*BIOS 510 (Intro to Probability Theory)	4 hrs	IBS 574 (Comp Bio & Bioinform)	4 hrs
Year 2 Fall		Year 2 Spring	
IBS 515 (Topics Mol Genetics)	2 hrs	IBS 522r (Grant Writing & Pro Dev)	4 hrs
IBS 546r (Presenting Genetics)	1 hr	IBS 546r (Presenting Genetics)	1 hr
IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)	IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)
^TATT 600 (TA Training)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
Elective (choose 1):		^TATT 605 (Teaching Assistantship)	0 hrs
IBS 504 (Prok Mol Genetics)	6 hrs	IBS 561 (Euk Chromosome Funct)	4 hrs
IBS 560 (Model Genetic Systems)	4 hrs		
IBS 746 (Grad Human Genetics)	4 hrs		

If you want to focus on dry lab quantitative experimentation, but do not have a strong quantitative background:

Year 1 Fall		Year 1 Spring	
IBS 500r (Topics in Bioscience)	3 hrs	IBS 546r (Presenting Genetics)	1 hr
IBS 546r (Presenting Genetics)	1 hr	IBS 561 (Euk Chromosome Funct)	4 hrs
IBS 555 (Basic Biomed & Biol Sci)	6 hrs	GMB 570r (Intro Grad Seminar)	2 hrs
GMB 597r (Lab Rotations)	VC (select 3+ hrs)	GMB 597r (Lab Rotations)	VC (select 3+ hrs)
^JPE 600 (LGS Ethics Class)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
		IBS 574 (Comp Bio & Bioinform)	4 hrs
Year 2 Fall		Year 2 Spring	
IBS 515 (Topics Mol Genetics)	2 hrs	IBS 522r (Grant Writing & Pro Dev)	4 hrs
IBS 546r (Presenting Genetics)	1 hr	IBS 546r (Presenting Genetics)	1 hr
IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)	IBS 699r (Adv Graduate Research)	VC (select 3+ hrs)
^TATT 600 (TA Training)	0 hrs	GMB 706 (Ethical Conduct)	1 hr
*BIOS 510 (Intro to Probability Theory)	4 hrs	^TATT 605 (Teaching Assistantship)	0 hrs
And one of the following:		*BIOS 511 (Statistical Inference I)	4 hrs
IBS 504 (Prok Mol Genetics)	6 hrs		
IBS 560 (Model Genetic Systems)	4 hrs		
IBS 746 (Grad Human Genetics)	4 hrs		

*Students interested in BIOS courses must receive prior approval from the course instructor and Melissa Sherrer (msherre@emory.edu) from the Rollins School of Public Health Biostatistics Department.