

Biomedical Informatics Graduate Program
Course Schedule - Academic Year 2024-2025

Schedule Subject to Change

Yr	Qtr	Course #	Course Title	Instructor	Credits	Day	Please Note
24	Summer	BMI 501/601 *	Research	Varies	1.0-6.0	Varies	501 – requires 50x form
		BMI 502/602 *	Independent Study	Varies	1.0-4.0	Varies	Requires 50x/60x form
		BMI 503 *	Master’s Thesis	Varies	1.0-4.0	Varies	Recommended: BMI 570
		BMI 603 *	Dissertation	Varies	1.0	Varies	Signature required.
		BMI 505/605 *	Reading & Conference	Varies	1.0-3.0	Varies	Requires 50x/60x form
		BMI 509/609 *	Practicum	Varies	1.0-3.0	Varies	Requires consent of Internship Coordinator
		BMI 510/610	Intro to Biomedical Informatics	W. Hersh	3.0	Online	Required course for certificate
		BMI 519/619	Business of Healthcare Informatics	V. Mohan	3.0	Online	
		BMI 523/623	Clinical Research Informatics	N. Weiskopf	3.0	Online with required synchronous sessions each Monday	Synchronous online discussion via Sakai each Monday 5:00-6:30 PST. Attendance is required.
		BMI 581 *	Capstone Project	Varies	1.0-6.0	Varies	Prereq: 30 credits of prior coursework. Recommended: BMI 570. Signature required.
		BMI 590	Capstone: Internship	Varies	1.0-6.0	Varies	Prereq: 30 credits of prior coursework. Approval of Internship Coordinator
		BMI 654 *	Mentored Teaching Prep	Varies	1.0	Varies	Requires Mentored Teaching contract
		BMI 655 *	Mentored Teaching	Varies	3.0	Varies	Prereq: BMI 654
BMI 657 *	Doctoral Symposium	Varies	3.0	Varies	Signature required.		
BSTA 525	Intro to Biostatistics	S. Mershon	4.0	Online			
24	Fall	BMI 501/601 *	Research	Varies	1.0-6.0	Varies	501 – requires 50x form
		BMI 502/602 *	Independent Study	Varies	1.0-4.0	Varies	Requires 50x/60x form
		BMI 503 *	Master’s Thesis	Varies	1.0-4.0	Varies	Recommended: BMI 570
		BMI 603 *	Dissertation	Varies	1.0	Varies	Signature required.
		BMI 505/605 *	Reading & Conference	Varies	1.0-3.0	Varies	Requires 50x/60x form
		BMI 505F/605F	Reading & Conference: Fellows Meeting	Faculty	1.0-3.0	TH	For PhDs, postdocs, CI Fellows only. 1 credit required every fall, winter, spring
		BMI 507/607 *	Seminar	Varies	1.0-4.0	Varies	Signature required.

	BMI 509/609 *	Practicum	Varies	1.0-4.0	Varies	Requires consent of Internship Coordinator
	BMI 510/610	Introduction to Biomedical Informatics	W. Hersh	3.0	Online	Required course for certificate
	BMI 517/617	Organizational Behavior	C. Hoekstra	3.0	Online	Required course for certificate
	BMI 524/624	Analytics for Healthcare	A. Pandit/T. Edinger	3.0	Online	
	BMI 530/630	The Practice of Health Care	C. McDougall	3.0	Online	
	BMI 540/640	Computer Science and Programming for Clinical Informatics	L. Walker	3.0	Online	Prereq: Introductory computer programming class in Python, Java, C or C++. Signature required.
	BMI 570/670	Scientific Writing and Communication for Informatics Students	K. Pyle	3.0	Online	Limited to 20 students. Instructor signature required. Priority in registration given to master's and PhD students.
	BMI 581 *	Capstone Project	Varies	1.0-6.0	Varies	Prereq: 30 credits of prior coursework. Recommended: BMI 570. Signature required.
	BMI 590	Capstone: Internship	Varies	1.0-6.0	Varies	Prereq: 30 credits of prior coursework. Approval of Internship Coordinator
	BMI 654 *	Mentored Teaching Prep	Varies	1.0	Varies	Requires contract. Signature required.
	BMI 655 *	Mentored Teaching	Varies	3.0	Varies	Prereq: BMI 654. Signature required.
	BMI 657 *	Doctoral Symposium	Varies	3.0	Varies	Signature required.
	BSTA 525	Intro to Biostatistics	S. Markwardt	4.0	Online	
	HIP 511	Clinical Research Design I	Varies	2.0	Varies	Required for HCIN PhD track
	HIP 516	Protection of Human Subjects	K. Schuff	1.0	4 days in November, see HIP website	Required for all Year 1 NLM Trainees
25 Winter	BMI 501/601 *	Research	Varies	1.0-6.0	Varies	501 – requires 50x form
	BMI 502/602 *	Independent Study	Varies	1.0-4.0	Varies	Requires 50x/60x form
	BMI 503 *	Master's Thesis	Varies	1.0-4.0	Varies	Recommended: BMI 570
	BMI 603 *	Dissertation	Varies	1.0	Varies	Signature required.
	BMI 505/605 *	Reading & Conference	Varies	1.0-3.0	Varies	501 – requires 50x/60x form
	BMI 505F/605F	Reading & Conference: Fellows Meeting	Faculty	1.0-3.0	TH	For PhDs, postdocs, and CI Fellows only. 1 credit every fall, winter, spring
	BMI 507/607 *	Seminar	Varies	1.0-4.0	Varies	
	BMI 509/609 *	Practicum	Varies	1.0-3.0	Varies	Requires consent of Internship Coordinator
	BMI 510/610	Introduction to Biomedical Informatics	W. Hersh	3.0	Online	Required course for certificate
	BMI 516/616	Standards for Interoperability	B. Orwoll	3.0	Online	Prereq: BMI 510
	BMI 518/618	Project Management	J. McCormack	3.0	Online	

	BMI 527/627	Applied Data Science and Machine Learning	B. Hersh S. Chamberlin	3.0	Online	Prereq: BMI 540 or consent of instructor.
	BMI 544/644	Databases	M. Lieberman	3.0	Online	Prereq: None but BMI 540 or 565 recommended
	BMI 548/648	Human Computer Interaction	M. Hribar	3.0	Online	.
	BMI 560/660	Design and Evaluation in Health Informatics	V. Mohan	3.0	Online	Prereq: BSTA 525 or BSTA 511, OR consent of instructor
	BMI 581 *	Capstone Project	Varies		Varies	Prereq: 30 credits of prior coursework. Recommended: BMI 570. Signature required.
	BMI 590	Internship	Varies		Varies	Prereq: approval of Internship Coordinator
	BMI 654 *	Mentored Teaching Prep	Varies		Varies	Requires contract, instructor's signature.
	BMI 655 *	Mentored Teaching	Varies		Varies	Prereq: BMI 654. Signature required.
	BMI 657 *	Doctoral Symposium	Varies		Varies	Signature required.
	HIP 512	Clinical Research Design II	HIP Faculty			Required for HCIN PhD track
	OCTRI RCR	Responsible Conduct in Research	OCTRI Faculty		4 days in Feb./Mar. See website	Required for Year 1 NLM Trainees
25 Spring	BMI 501/601 *	Research	Varies	1.0-6.0	Varies	501 – requires 50x form
	BMI 502/602 *	Independent Study	Varies	1.0-4.0	Varies	Requires 50x/60x form
	BMI 503 *	Master's Thesis	Varies	1.0-4.0	Varies	Recommended: BMI 570
	BMI 603 *	Dissertation	Varies	1.0	Varies	Signature required
	BMI 505/605 *	Reading & Conference	Varies	1.0-3.0	Varies	
	BMI 505F/605F	Reading & Conference: Fellows Meeting		1.0-3.0	TH	For PhDs, postdocs, and CI Fellows only. 1 credit every fall, winter, spring
	* BMI 509/609	Practicum	Varies	1.0-3.0	Varies	Signature required
	BMI 510/610	Introduction to Biomedical Informatics	W. Hersh	3.0	Online	Required course for certificate
	BMI 512/612	Clinical Information Systems	V. Mohan	3.0	Online	Required course for certificate Prereq: BMI 510
	BMI 525/625	Principles and Practice of Data Visualization	S. Bedrick	3.0	Online	
	BMI 537/637	Healthcare Quality	M. Lieberman	3.0	Online	
	BMI 546/646	Software Engineering	A. Cohen	3.0	Online	Prereq: BMI 540 or BMI 565
	BMI 576/676	Managing Ethics in Biomedical Informatics	J. Valerius	3.0	Online	
	BMI 581 *	Capstone Project	Varies	1.0-6.0	Varies	Prereq: 30 credits of prior coursework. Recommended: BMI 570. Signature required.

BMI 590	Capstone: Internship	Varies	1.0-6.0	Varies	Prereq: approval of Internship Coordinator. 30 credits of prior coursework.
BMI 654 *	Mentored Teaching Prep	Varies	1.0	Varies	Requires contract. Signature required.
BMI 655 *	Mentored Teaching	Varies	3.0	Varies	Prereq: BMI 654. Signature required.
BMI 657 *	Doctoral Symposium	Varies	3.0	Varies	Signature required.
HIP 513	Clinical Research Design III	HIP Faculty	2.0	Varies	Required for HCIN PhD track

* Open to BMI degree seeking students only (includes graduate certificate students). Non-BMI students must obtain department permission.

500 level - Master's degree, 600 level - PhD degree