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MS/MPH Masters Degree Plan (40 credit hours)

Student ID #:	Catalog Year 2018-2020 v7.24.18
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SBMI Required Courses	Semester/Year	SCH	Grade
BMI 5300 Introduction to Biomedical Informatics*		3	
BMI 5310 Foundations I*		3	
BMI 5311 Foundations II*		3	
BMI 5351 Research Design and Evaluation*		3	
BMI 6313 Scientific Writing*		3	
BMI 6000 Practicum in Biomedical Informatics*		3	
Number of SBMI Required Credits		18	

SPH Required Courses	Semester/Year	SCH	Grade
PHM 1690 Introduction to Biostatistics in Public Health*		4	
PHM 2612 Epidemiology I*		3	
PHM 1110 Health Promotion and Behavioral Sciences in PH*		3	
PHM 3715 Management and Policy Concepts in PH*		3	
PHM 2110 Public Health Ecology & the Human Enviornment*		3	
Number of SPH Required Credits		16	

^{*}Required Courses - any exceptions must be pre-approved by the Associate Dean for Academic Affairs prior to course registration.

SBMI Electives	Semester/ Year	Cr	Grade
		3	
		3	
Number of SBMI Elective Credits		6	

The hours reflected on this degree plan are required for completion of the MS in Biomedical Informatics. Please see the SPH degree plan for additional courses required for completion of the MPH.

Total SCH Completed	40	

Approved by:

Student Signature		Date
Primary Advisor (Print Name)	Signature	Date

⁻Degree plans must have an original signature by both the student and advisor to be valid.

Research Track Concentrations for 2018-2020

	Disinformation (40 horses)
BMI 5330	Bioinformatics (18 hours) Introduction to Bioinformatics
BMI 5331	Foundations of Pharmacogenomics
BMI 5332	,
BMI 5333	,
BMI 6331	
BMI 6332	
	Current Topics in Genomics
BMI 6334	Deep Learning in Biomedical Informatics
	Clinical Informatics (18 hours)
	Introduction to Clinical Healthcare
BMI 5007	
BMI 5301	
BMI 5313	,
BMI 5315	· ·
BMI 5328	Systems Analysis and Project Management Biomedical Informatics Data Analysis
BMI 5354	·
BMI 5360	
BMI 6300	• • • • • • • • • • • • • • • • • • • •
BMI 6303	•
	Advanced Electronic Health Records
	Change Management in Health Informatics
	Health Information Technology Policy
BMI 6328	Health Care Delivery in an EHR Enabled Environment
BMI 6330	Biomedical Natural Language Processing
BMI 6340	HI Visualization and Visual Analytics
	Human Factors Engineering (18 hours)
BMI 5007	
BMI 5302	Introduction to Human Factors in Healthcare
BMI 5354	
BMI 5360	11 ,
BMI 6301	Health Data Display
BMI 6305	Social Dynamics and Health Information
BMI 6308	<u> </u>
BMI 6309	
BMI 6311 BMI 6322	•
BMI 6330	
BMI 6340	
DI 11 0540	THE VISUALIZATION WIND VISUAL ANALYTICS
	Health Data Science (18 hours)
BMI 5007	
BMI 6340	HI Visualization and Visual Analytics
BMI 5353	
BMI 6334	, and the second
BMI 5304	·
BMI 6306	Information and Knowledge Representation in Biomedical Informatics

BMI 6318 Big Data in Biomedical Informatics
BMI 6323 Machine Learning in Biomedical Informatics

BMI 6340 HI Visualization and Visual Analytics BMI 5353 Biomedical Informatics Data Analysis BMI 5301 The U.S. Healthcare System BMI 5315 Quality and Outcome Improvement in Healthcare BMI 5328 Systems Analysis and Project Management BMI 6303 Introduction to Telehealth BMI 6324 Health Information Technology Policy BMI 5380 Principles and Foundations of Public Health Informatics BMI 5381 Methods in Public Health Informatics BMI 5382 Synthesis Project in Public Health Informatics BMI 6317 Leadership & Entrepreneurship in Health Informatics

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