

Name: _____ Student ID: _____ Advisor name: _____

Health Data Science and Artificial Intelligence Certificate Requirements

Each student will develop a degree plan with written approval of their academic advisor. The student must file a signed degree plan each academic year in the Fall and Spring terms listing the required and/or elective courses as specified for their certificate program. This plan is a set of predefined coursework, totaling 15 credit hours.

Using This Certificate Planner

UTHSC-H MSBMI Required Courses:

COURSE NUMBER	TITLE	TYPE	CREDIT HOURS	Pre-Requisite	Expected Term Completed	Grade Earned
BMI 5300	Introduction to Biomedical Informatics	Basic	3	N/A		
BMI 5007	Methods in Health Data Science	Basic	3	Prerequisite quiz and consent of instructor.		
BMI 6340	Health Information Visualization & Visual Analytics	Research	3	N/A		
Choose 2 courses from the Health Data Science and Artificial Intelligence curriculum listed below:						
BMI 5304	Advanced Database Concepts in Biomedical Informatics	Research	3	BMI 5007		
BMI 5353	Biomedical Informatics Data Analysis	Research	3	BMI 5007 or consent of instructor.		
BMI 6306	Information and Knowledge Representation in Biomedical Informatics	Advanced	3	BMI 5304		
BMI 6318	Big Data in Biomedical Informatics	Advanced	3	BMI 5007 or consent of instructor		
BMI 6323	Machine Learning in Biomedical Informatics	Advanced	3	N/A		
BMI 6331	Medical Imaging and Signal Pattern Recognition	Advanced	3	BMI 5007		
BMI 6334	Deep Learning in Biomedical Informatics	Advanced	3	BMI 5007 and BMI 5353 or Instructor Consent		
BMI 6335	Technical Foundations of Generative Artificial Intelligence	Advanced	3	BMI 5007 or Instructor Consent		

Signatures

This Certificate of Health Data Science and Artificial Intelligence Plan must be completed in collaboration with and signed by the academic advisor. Changes to planned coursework may be made and submitted to an academic dean for review and approval.

Student Signature: _____ Date: _____

Advisor Signature: _____ Date: _____