Students in the College of Arts and Sciences majoring in **Systems Engineering** have the ability select **one of three** focus areas within the Biomedical Informatics certificate degree planner.

Biomedical Informatics Certificate: Data Analytics

Biomedical Informatics Certificate: *Design*

Biomedical Informatics Certificate: *Project Implementation*

Please ensure you speak with an SBMI academic advisor to discuss which degree plan option best fits in with your academic and career goals.

Transforming Data to Power Human Health™

Certificate of Biomedical Informatics
TAMIU System Engineering Major
Focus: Data Analytics Certificate Plan
Fall 2023

UTHealth Houston — McWilliams School of Biomedical Informatics

Name: _____ Student ID: _____ Advisor name: _____

Biomedical Informatics 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. **TAMIU students with a major of System Engineering with the focus of Data Analytics will be able to apply 3 of the required 15 credits hours to their TAMIU System Engineering degree.** To view more information about how credits from SBMI are transferred and applied to your program, please view the Undergraduate Accelerated Master's (4+1) Program Course Equivalency FAQ.

Using This Certificate Planner

UTHSC-H SBMI Required Courses:

COURSE NUMBER	COURSE TITLE	TYPE	CREDIT HOURS	Pre-Requisite	Expected Term Completed	Grade Earned
BMI 5300	Introduction to Biomedical Informatics	Basic	3	N/A		
BMI 5302	Introduction to Human Factors in Healthcare	Basic	3	N/A		
BMI 5007	Methods in Health Data Science	Basic	3	Prerequisite quiz and Consent of instructor		
BMI 5304	Advanced Database Concepts in Biomedical Informatics	Research	3	N/A		
BMI 6340	Health Information Visualization & Visual Analytics	Research	3	N/A		

Signatures

This Certificate of Biomedical Informatics Plan must be completed in collaboration with and signed by the academic advisor. Changes to planned coursework may be made and submitted to the faculty advisor for approval.

Student Signature: _____ Date:_____

Advisor Signature: _____ Date:_____

Transforming Data to Power Human Health™

Certificate of Biomedical Informatics
TAMIU System Engineering Major
Focus: Design Certificate Plan
Fall 2023

UTHealth Houston — McWilliams School of Biomedical Informatics

Name: _____ **Student ID:** _____ **Advisor name:** _____

Biomedical Informatics 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. **TAMIU students with a major of System Engineering with the focus of Design will be able to apply 3 of the required 15 credits hours to their TAMIU System Engineering degree.** To view more information about how credits from SBMI are transferred and applied to your program, please view the Undergraduate Accelerated Master's (4+1) Program Course Equivalency FAQ.

Using This Certificate Planner

UTHSC-H SBMI Required Courses:

COURSE NUMBER	COURSE TITLE	TYPE	CREDIT HOURS	Pre-Requisite	Expected Term Completed	Grade Earned
BMI 5300	Introduction to Biomedical Informatics	Basic	3	N/A		
BMI 5302	Introduction to Human Factors in Healthcare	Basic	3	N/A		
BMI 5303	Methods in Human Factors Engineering	Basic	3	BMI 5302 completion or concurrent enrollment		
BMI 6309	Healthcare Interface Design	Advanced	3	BMI 5302 or BMI 5303 or consent of instructor		
BMI 6300	Advanced Health Information Technology	Advanced	3	Consent of instructor		

Signatures

This Certificate of Biomedical Informatics Plan must be completed in collaboration with and signed by the academic advisor. Changes to planned coursework may be made and submitted to the faculty advisor for approval.

Student Signature: _____ Advisor Signature: _____

Date:_____ Date:_____

Transforming Data to Power Human Health™

Certificate of Biomedical Informatics
TAMIU System Engineering Major Focus:
Project Implementation Certificate Plan
Fall 2023

UTHealth Houston
McWilliams School of Biomedical Informatics

Name: _____ **Student ID:** _____ **Advisor name:** _____

Biomedical Informatics 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. **TAMIU students with a major of System Engineering with the focus of Project Implementation, will be able to apply 3 of the required 15 credits hours to their TAMIU System Engineering degree.** To view more information about how credits from SBMI are transferred and applied to your program, please view the Undergraduate Accelerated Master's (4+1) Program Course Equivalency FAQ.

Using This Certificate Planner

UTHSC-H SBMI Required Courses:

COURSE NUMBER	COURSE TITLE	TYPE	CREDIT HOURS	Pre-Requisite	Expected Term Completed	Grade Earned
BMI 5300	Introduction to Biomedical Informatics	Basic	3	N/A		
BMI 5302	Introduction to Human Factors in Healthcare	Basic	3	N/A		
BMI 5328	Systems Analysis and Project Management	Basic	3	N/A		
BMI 6300	Advanced Health Information Technology	Advanced	3	Consent of instructor		
BMI 6323	Machine Learning in Biomedical Informatics	Advanced	3	N/A		

Signatures

This Certificate of Biomedical Informatics Plan must be completed in collaboration with and signed by the academic advisor. Changes to planned coursework may be made and submitted to the faculty advisor for approval.

Student Signature: _____ Date:_____

Advisor Signature: _____ Date:_____