Naveen Jindal School of Management

Healthcare Management and Biology (Double Major) (BS)

Bachelor of Science in Healthcare Management and Biology (Double Major)

Degree Requirements (149 semester credit hours)

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication
RHET 1302 Rhetoric

Mathematics: 3 semester credit hours

MATH 2413 Differential Calculus

Life and Physical Sciences: 6 semester credit hours

CHEM 1311 General Chemistry I
CHEM 1312 General Chemistry II

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours from Creative Arts core courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from American History core courses (see advisor)

Government / Political Science: 6 semester credit hours

- **GOVT 2305** American National Government
- **GOVT 2306** State and Local Government

Social and Behavioral Sciences: 3 semester credit hours

- **ECON 2301** Principles of Macroeconomics

Component Area Option: 6 semester credit hours

- **MATH 2414** Integral Calculus
- **ECON 2302** Principles of Microeconomics

II. Major Requirements: 92 semester credit hours

Business Major Preparatory Courses: 16 semester credit hours beyond Core Curriculum

- **ACCT 2301** Introductory Financial Accounting
- **ACCT 2302** Introductory Management Accounting
- **HMGT 3100** Professional Development
- **BLAW 2301** Business and Public Law
- **ECON 2301** Principles of Macroeconomics
- **ECON 2302** Principles of Microeconomics
- **OPRE 3333** Quantitative Business Analysis
  - or **MATH 2333** Matrices, Vectors, and Their Application
- **STAT 3360** Probability and Statistics for Management and Economics
  - or **STAT 2332** Introductory Statistics for Life Sciences
  - or **OPRE 3360** Managerial Methods in Decision Making Under Uncertainty

Business Core Courses: 27 semester credit hours

- **BCOM 3310** Business Communication
- **BCOM 4350** Advanced Business Communication
- **FIN 3320** Business Finance
- **ITSS 3300** Information Technology for Business
Operations Management
Organizational Behavior
Principles of Marketing
Strategic Management
International Business

Biology Major Preparatory Courses: 20 semester credit hours beyond Core Curriculum

General Chemistry Laboratory I
General Chemistry Laboratory II
General Chemistry I
General Chemistry II
Introductory Organic Chemistry Laboratory I
Introductory Organic Chemistry Laboratory II
Introductory Organic Chemistry I
Introductory Organic Chemistry II
Differential Calculus
Integral Calculus
Mechanics and Physics Laboratory I
College Physics I and Physics Laboratory I
Electromagnetism and Waves and Physics Laboratory II
College Physics II and Physics Laboratory II
Business Basics or Natural Sciences and Mathematics Freshman Seminar
Freshman Seminar

Biology Core Courses: 29 semester credit hours

Introduction to Modern Biology Workshop I
Introduction to Modern Biology Workshop II
Introductory Biology Laboratory
Introduction to Modern Biology I
Introduction to Modern Biology II
Classical and Molecular Genetics Workshop
BIOL 3102 Eukaryotic Molecular and Cell Biology Workshop
BIOL 3161 Biochemistry Workshop I
BIOL 3162 Biochemistry Workshop II
BIOL 3301 Classical and Molecular Genetics
BIOL 3302 Eukaryotic Molecular and Cell Biology
BIOL 3361 Biochemistry I
BIOL 3362 Biochemistry II
   or BIOL 3335 Microbial Physiology
BIOL 3380 Biochemistry Laboratory

III. Elective Requirements: 15 semester credit hours

Guided Electives: 15 semester credit hours

Healthcare Management Core Courses: 12 semester credit hours

   HMGT 3301 Introduction to Healthcare Management
   HMGT 3311 Healthcare Accounting
   HMGT 4321 Introduction to Healthcare Information Systems
   HMGT 3310 Healthcare Regulatory Environment

Biology (3 semester credit hours):

   BIOL 4380 Cell and Molecular Biology Laboratory or approved upper-level biology course.

Each student is expected to complete a minimum of 160 hours of business-related work to fulfill the JSOM professional practicum requirement.

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Degree is 150 semester credit hours if students are required to take BA 1100 or NATS 1100.

3. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

4. A required Major course that also fulfills a Core Curriculum requirement. Semester credit hours are counted in Core Curriculum.
5. Six semester credit hours of Calculus are counted under Mathematics Core and Component Area Option Core, and 2 semester credit hours of Calculus are counted as Biology Major Preparatory Courses.

6. Students may substitute MATH 2413 and MATH 2414 by taking MATH 2417 and MATH 2419.

7. Indicates a prerequisite class to be completed before enrolling for upper-division classes.

8. Students may substitute MATH 2418 or CS 2305.