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

Degree Requirements (149 semester credit hours)\(^1, 2\)

I. Core Curriculum Requirements: 42 semester credit hours\(^3\)

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\(^4, 5, 6\)

Life and Physical Sciences: 6 semester credit hours

- **CHEM 1311** General Chemistry I\(^4\)
- **CHEM 1312** General Chemistry II\(^4\)

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

CHEM 1111 General Chemistry Laboratory I
CHEM 1112 General Chemistry Laboratory II
CHEM 1311 General Chemistry I
CHEM 1312 General Chemistry II
CHEM 2123 Introductory Organic Chemistry Laboratory I
CHEM 2125 Introductory Organic Chemistry Laboratory II
CHEM 2323 Introductory Organic Chemistry I
CHEM 2325 Introductory Organic Chemistry II
MATH 2413 Differential Calculus
MATH 2414 Integral Calculus
PHYS 2325 Mechanics and PHYS 2125 Physics Laboratory I
   or PHYS 1301 College Physics I and PHYS 2125 Physics Laboratory I
PHYS 2326 Electromagnetism and Waves and PHYS 2126 Physics Laboratory II
   or PHYS 1302 College Physics II and PHYS 2126 Physics Laboratory II
BA 1100 Business Basics or NATS 1101 Natural Sciences and Mathematics Freshman Seminar
UNIV 1010 Freshman Seminar

Biology Core Courses: 29 semester credit hours

BIOL 2111 Introduction to Modern Biology Workshop I
BIOL 2112 Introduction to Modern Biology Workshop II
BIOL 2281 Introductory Biology Laboratory
BIOL 2311 Introduction to Modern Biology I
BIOL 2312 Introduction to Modern Biology II
BIOL 3101 Classical and Molecular Genetics Workshop
**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.

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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.

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