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)\(^1,2\)

JSOM Faculty

NSM Faculty

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

Communication: 6 semester credit hours


Mathematics: 3 semester credit hours


Life and Physical Sciences: 6 semester credit hours


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
OPRE 3310  Operations Management
OBHR 3310  Organizational Behavior
MKT 3300  Principles of Marketing
BPS 4305  Strategic Management
IMS 3310  International 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^4
CHEM 1312  General Chemistry II^4
CHEM 2123  Introductory Organic Chemistry Laboratory I^7
CHEM 2125  Introductory Organic Chemistry Laboratory II^7
CHEM 2323  Introductory Organic Chemistry I^7
CHEM 2325  Introductory Organic Chemistry II^7
MATH 2413  Differential Calculus^4, 5, 6
MATH 2414  Integral Calculus^4, 5, 6
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^7
BIOL 2112  Introduction to Modern Biology Workshop II^7
BIOL 2281  Introductory Biology Laboratory^7
BIOL 2311  Introduction to Modern Biology I^7
BIOL 2312  Introduction to Modern Biology II^7
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**

- [HMGMT 3301](#) Introduction to Healthcare Management
- [HMGMT 3311](#) Healthcare Accounting
- [HMGMT 4321](#) Introduction to Healthcare Information Systems
- [HMGMT 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.