Naveen Jindal School of Management

Healthcare Management and Biology (Double Major) (BS)

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

Degree Requirements (147-148 semester credit hours)\textsuperscript{1, 2}

JSOM Faculty

NSM Faculty

I. Core Curriculum Requirements: 42 semester credit hours\textsuperscript{3}

Communication: 6 semester credit hours

- **COMM 1315** Public Speaking
- or **COMM 1311** Survey of Oral and Technology-based Communication
- **RHET 1302** Rhetoric\textsuperscript{4}

Mathematics: 3 semester credit hours

- **MATH 2413** Differential Calculus\textsuperscript{5, 6, 7}

Life and Physical Sciences: 6 semester credit hours

- **CHEM 1311** General Chemistry\textsuperscript{5}
  - or **CHEM 1315** Honors Freshman Chemistry\textsuperscript{5}
- **CHEM 1312** General Chemistry II\textsuperscript{5}
  - or **CHEM 1316** Honors Freshman Chemistry II\textsuperscript{5}

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

Choose one course from the following:
- BA 1310 Making Choices in Free Market Systems
- BA 1320 Business in a Global World
- ECON 2301 Principles of Macroeconomics
- ECON 2302 Principles of Microeconomics

Component Area Option: 6 semester credit hours

Choose two courses from the following:
- MATH 2414 Integral Calculus
- BA 1310 Making Choices in Free Market Systems
- BA 1320 Business in a Global World
- ECON 2301 Principles of Macroeconomics
- ECON 2302 Principles of Microeconomics

II. Major Requirements: 87-88 semester credit hours

Business Major Preparatory Courses: 12 semester credit hours beyond Core Curriculum

- ACCT 2301 Introductory Financial Accounting
- ACCT 2302 Introductory Management Accounting
- BLAW 2301 Business and Public Law
- BA 1310 Making Choices in Free Market Systems
  or ECON 2302 Principles of Microeconomics
- BA 1320 Business in a Global World
  or ECON 2301 Principles of Macroeconomics
- OPRE 3360 Managerial Methods in Decision Making Under Uncertainty
  or STAT 2332 Introductory Statistics for Life Sciences
  or STAT 3360 Probability and Statistics for Management and Economics

Business Core Courses: 26 semester credit hours

- BA 1100 Business Basics and HMG'T 3100 Professional Development
or **HMG 3200** Introduction to Business and Professional Development
**BCOM 3310** Business Communication
**BCOM 4350** Advanced Business Communication
**FIN 3320** Business Finance
**IMS 3310** International Business
**ITSS 3300** Information Technology for Business
**OBHR 3330** Introduction to Human Resource Management
  or **OBHR 3310** Organizational Behavior
**OPRE 3310** Operations Management
**MKT 3300** Principles of Marketing

**Biology Major Preparatory Courses: 20-21 semester credit hours beyond Core Curriculum**

**CHEM 1111** General Chemistry Laboratory I
  or **CHEM 1115** Honors Freshman Chemistry Laboratory I
**CHEM 1112** General Chemistry Laboratory II
  or **CHEM 1116** Honors Freshman Chemistry Laboratory II
**CHEM 1311** General Chemistry I
  or **CHEM 1315** Honors Freshman Chemistry I
**CHEM 1312** General Chemistry II
  or **CHEM 1316** Honors Freshman 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 2421** Honors Physics I - Mechanics and Heat
  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 2422** Honors Physics II - Electromagnetism and Waves
  or **PHYS 1302** College Physics II and **PHYS 2126** Physics Laboratory II
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
**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: 18 semester credit hours

Guided Electives: 18 semester credit hours

A zero semester credit hour practicum experience is required.

**HMGT 4090** Healthcare Management Internship

A zero semester credit hour community engagement experience is required.

**BA 4095** Social Sector Engagement and Community Outreach Practicum

The following courses fulfill a portion of the remaining Guided Elective semester credit hours:

Healthcare Management Core Courses: 15 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
**HMGT 4380** Capstone in Healthcare Management
Biology (3 semester credit hours):

**BIOL 4380** Cell and Molecular Biology Laboratory

or **BIOL 3V96** Undergraduate Research in Molecular and Cell Biology

or **BIOL 4391** Senior Research in Molecular and Cell Biology

or **BIOL 4399** Senior Honors Research for Thesis in Molecular and Cell Biology

All students must complete at least 51 semester credit hours of upper-division courses to graduate.

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 148-149 semester credit hours if students are required to take NATS 1101.

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

5. A required Major course that also fulfills a Core Curriculum requirement. Semester credit hours are counted in Core Curriculum.

6. 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.

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

8. Certain courses listed are prerequisites for major core (e.g., BA 1320 or ECON 2301 for IMS 3310), major concentration, or major related courses. Choose accordingly.

9. JSOM freshmen are required to take BA 1100 and HMGT 3100. Transfer students and students new to JSOM are required to take HMGT 3200.

10. Students who complete PHYS 2421 do not need to complete PHYS 2125.

11. Requires permission of the Biology Undergraduate Advisor to ensure training in recombinant DNA analysis.

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