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)\textsuperscript{1, 2}

JSOM Faculty


**Professor Emeritus:** Dale Osborne

**Clinical Professors:** John Barden, Britt Berrett, Abhijit Biswas, Pamela Foster Brady, Shawn Carrher, Paul Convery, David Cordell, Tevfik Dalgic, Michael Deegan, Kutsal Dogan, Howard Dover, Greg Durham, Forney Fleming III, Randall S. Guttery, Charles Hazzard, William Hefley, Robert Hicks, Gerald (Jerry) Hoag, Marilyn Kaplan, Peter Lewin, Jeffrey Manzi, John F. McCracken, Dennis McCuistion, Diane S. McNulty, Radha Mookerjee, Parneet Pahwa, Srinivasan Ragunathan, Ram C. Rao, Brian Ratchford, Michael J. Rebello, Sumit Sarkar, Suresh P. Sethi, Kathryn E. Stecke, Wing Kwong (Eric) Tsang, John J. Workowski, Harold Zhang


**Clinical Associate Professors:** Shawn Alborz, Larry Chasteen, Sonia Leach, Kannan Ramanathan, Carolyn Reichert, Avanti P. Sethi, Kelly Slaughter, James Szot, Mark Thouin, John McClain Watson

**Assistant Professors:** Mehmet Ayvaci, Emily Choi, Bernhard Ganglmair, Dorothée Honhon, Kyle Hyndman, Atanu Lahiri, Sheen Levine, Bin Li, Jun Li, Meng Li, Ningzhong Li, Xiaolin Li, Naim Bugra Ozel, Arzu Ozoguz, Anyan Qi, Alejandro Rivera Mesias, Alessio Saretto, Serdar Simsek, Gonca P. Soysal, Shaojie Tang, Christian Von-Drathen, Malcolm Wardlaw, Han (Victor) Xia, Steven Xiao, Shengqi Ye, Nir Yehuda, Jiaying Zhang, Zhe (James) Zhang, Xiaofei Zhao

**Clinical Assistant Professors:** Athena Alimirzaei, Moran Blueshtein, Judd Bradbury, John Gamino, Ayfer Gurun, Maria Hasenhuttl, Julie Haworth, Jeffery (Jeff) Hicks, Kristen Lawson, Vance Lewis, Leping Ma, Ravi Narayan, Dawn Owens, Anastasia V. Shcherbakova, Jeanne Sluder, Nassim Sohaee
Visiting Assistant Professor: Lale Guler

NSM Faculty
Professors: Lee A. Bulla, Rockford K. Draper, Juan E. González, Lawrence J. Reitzer, Stephen Spiro, Li Zhang, Michael Qiwei Zhang
Professors Emeritus: Hans Bremer, Donald M. Gray, Claud S. Rupert
Associate Professors: Gail A. M. Breen, John G. Burr, Jeff L. DeJong, Ernest M. Hannig, Tae Hoon Kim, Dennis L. Miller
Assistant Professors: Zachary Campbell, Nikki Delk, Heng Du, Jung-whan (Jay) Kim, Faruck Morcos, Kelli Palmer, Duane D. Winkler, Zhenyu Xuan, Hyuntae Yoo
Research Assistant Professors: Monique Duncan, Lan Guo
Senior Lecturers: Irina Borovkov, Mehmet Candas, Vincent P. Cirillo, Brenna Hill, Wen-Ju Lin, Robert C. Marsh, David Murchison, Jing Pan, Elizabeth Pickett, Ruben D. Ramirez, Scott A. Rippel, Elizabeth L. Rugg, Ilya Sapozhnikov, Uma Srikanth, Michelle Wilson, Wen-Ho Yu

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
  or 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>OBHR 3310</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>MKT 3300</td>
<td>Principles of Marketing</td>
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<tr>
<td>BPS 4305</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>IMS 3310</td>
<td>International Business</td>
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**Biology Major Preparatory Courses: 20 semester credit hours beyond Core Curriculum**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry Laboratory I</td>
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<tr>
<td>CHEM 1112</td>
<td>General Chemistry Laboratory II</td>
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<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 1312</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 2123</td>
<td>Introductory Organic Chemistry Laboratory I</td>
</tr>
<tr>
<td>CHEM 2125</td>
<td>Introductory Organic Chemistry Laboratory II</td>
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<tr>
<td>CHEM 2323</td>
<td>Introductory Organic Chemistry I</td>
</tr>
<tr>
<td>CHEM 2325</td>
<td>Introductory Organic Chemistry II</td>
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<tr>
<td>MATH 2413</td>
<td>Differential Calculus</td>
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<td>MATH 2414</td>
<td>Integral Calculus</td>
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<tr>
<td>PHYS 2325</td>
<td>Mechanics and Physics Laboratory I</td>
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<tr>
<td>PHYS 1301</td>
<td>College Physics I</td>
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<tr>
<td>PHYS 2326</td>
<td>Electromagnetism and Waves and Physics Laboratory II</td>
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<tr>
<td>PHYS 1302</td>
<td>College Physics II</td>
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<tr>
<td>BA 1100</td>
<td>Business Basics</td>
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<tr>
<td>NATS 1101</td>
<td>Natural Sciences and Mathematics Freshman Seminar</td>
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<td>UNIV 1010</td>
<td>Freshman Seminar</td>
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**Biology Core Courses: 29 semester credit hours**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 2111</td>
<td>Introduction to Modern Biology Workshop I</td>
</tr>
<tr>
<td>BIOL 2112</td>
<td>Introduction to Modern Biology Workshop II</td>
</tr>
<tr>
<td>BIOL 2281</td>
<td>Introductory Biology Laboratory</td>
</tr>
<tr>
<td>BIOL 2311</td>
<td>Introduction to Modern Biology I</td>
</tr>
<tr>
<td>BIOL 2312</td>
<td>Introduction to Modern Biology II</td>
</tr>
<tr>
<td>BIOL 3101</td>
<td>Classical and Molecular Genetics Workshop</td>
</tr>
<tr>
<td>BIOL 3102</td>
<td>Eukaryotic Molecular and Cell Biology Workshop</td>
</tr>
<tr>
<td>BIOL 3161</td>
<td>Biochemistry Workshop I</td>
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</tbody>
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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.