Bachelor of Science in Health Management Systems – 129 Credits (minimum)

Pre-Professional Phase (72 Credits)
In most cases, courses listed in bold must be taken in the exact semester indicated; all other courses are interchangeable.

<table>
<thead>
<tr>
<th>Fall of 1st Year – 16 Credits</th>
<th>Spring of 1st Year – 18 Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL-111/L Biology I/Lab (4/0 cr.)</td>
<td>BIOL-112/L Biology II/Lab (4/0 cr.)</td>
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<tr>
<td>CHEM-121/L/R Gen Chemistry I/Lab (5/0 cr.)</td>
<td>CHEM-122/L/R Gen Chemistry II/Lab (5/0 cr.)</td>
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<tr>
<td>UCOR-103 IPE Health Research Skills (1 cr.)</td>
<td>UCOR-102 Imag Lit &amp; Critical Writing (3 cr.)</td>
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<td>UCOR-101 Thinking &amp; Writing Across the Curriculum (3 cr.)</td>
<td>PSYC-101 Introduction to Psychology (3 cr.)</td>
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<td>UCOR-132 Basic Philosophical Questions (3 cr.)</td>
<td>Faith &amp; Reason Theme Area (3 cr.)</td>
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<tr>
<th>Summer of 1st Year – 3 Credits</th>
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<tr>
<td>Creative Arts Theme Area (3 cr.)</td>
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<thead>
<tr>
<th>Fall of 2nd Year – 17-18 Credits</th>
<th>Spring of 2nd Year – 16-18 Credits</th>
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<tbody>
<tr>
<td>ISYS-184 Business Information Systems (3 cr.)</td>
<td>ISYS-284 Data Design for Decision Making (3 cr.)</td>
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<tr>
<td>*CHEM-211/L Org Chem I/Lab (4/0 cr.)</td>
<td>*CHEM-212/L Org Chem II/Lab (4/0 cr.)</td>
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<tr>
<td>or other prerequisite (3-4 cr.)</td>
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<tr>
<td>PHYS-201/L/R Physics for Life Sci I/L/R (3/1 cr.)</td>
<td>PHYS-202/L/R Physics for Life Sci II/L/R (3/1 cr.)</td>
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<tr>
<td>MATH-115 Calculus I (4 cr.)</td>
<td>UCOR-141/2/3 Core Theology (3 cr.)</td>
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<tr>
<td>Global Diversity Theme Area (3 cr.)</td>
<td>SOCI-101 Survey of Sociology (3 cr.)</td>
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* Another laboratory science course needed to meet pre-medical or other professional prerequisite requirements may replace these courses.

Due to the comprehensive requirements of the HMS degree and professional school pre-requisites and entrance exam preparation, it is recommended that HMS Pre-Health students interested in pursuing professional school (eg, medical or dental) apply to professional school at the end of the 4th year which will result in a gap year.

**Academic and Program Requirements for Entry into the Professional Phase**

1. Successful completion of all pre-professional course work with a 2.75 cumulative GPA at Duquesne University and a ‘C’ or better in all courses. Please note that this level of academic performance is lower than the entrance requirements for most medical/health professional schools.
2. Completion of a physical examination and other pre-internship health requirements
3. Documentation of current CPR certification
4. Departmental Approval

**IMPORTANT NOTE:** The material contained herein is subject to change from time to time and this publication cannot be considered an agreement or contract between individual students and the School. The Rangos School of Health Sciences reserves the right to alter or amend the terms, conditions, and requirements herein, and to eliminate programs or courses as necessary. Once enrolled, students should consult on a regular basis with their Academic Advisor for specific information regarding academic policies pertaining to their respective program.
Professional Phase (57-75 Credits)
Professional Phase courses are only offered in the semesters shown. All courses must be taken in sequence. Courses listed in shaded boxes are considered electives and may be individualized to meet pre-professional requirements for admission to the desired medical or other health professional program.

Fall of 3rd Year – 12-15 Credits
HLTM-305W Data Mgmt (3 cr.)
HLTM-315 Clinical Processes (3 cr.)
HLTM-320 Healthcare Delivery & Organizations (3 cr.)
MATH-225 Introduction to Biostatistics (3 cr.)
Prerequisite science course (e.g., CHEM-401 General Biochemistry I (3 cr.))

Spring of 3rd Year – 12-18 Credits
HLTM-325 Healthcare Human Resource Mgmt (3 cr.)
HLTM-333 Healthcare Reimbursement Systems (3 cr.)
HLTM-340W Health Information Mgmt Policy (3 cr.)
ACCT-214 Financial Accounting (3 cr.)
Prerequisite science course (e.g., CHEM-402 General Biochemistry II (3-6 cr.))

Summer of 3rd Year – 3-6 Credits *
HLTM-455W Internship 1 (3-6 cr.) - may be completed during regular academic year if space available in schedule
Earliest time for Professional School examination preparation (e.g., MCAT, DAT, OAT, GRE)

Fall of 4th Year – 15-18 Credits
HLTM-350 Intro to Health Information Mgmt (3 cr.)
HLTM-382 Intro to Healthcare Finance (3 cr.)
HLTM-450 Cases in Healthcare Mgmt (3 cr.)
HLTM-492 Quality Performance in Healthcare (3 cr.)
UCOR-253, 254 or 207 Health Care Ethics, Health Care Ethics: Philosophy, or Medical Ethics (3 cr.)
Prerequisite science course or Internship (3 cr.)

Spring of 4th Year – 15-18 Credits
ISYS-384 IS Project Mgmt (3 cr.)
HLTM-491 Long-Term Care Administration (3 cr.)
HLTM-477 Legal Issues in Healthcare (3 cr.)
HLTM-493 Risk Mgmt (3 cr.)
HLTM-570 Medical Informatics (3 cr.)
Prerequisite science course or Internship (3 cr.)

- Students will be awarded a Bachelor of Science in Health Management Systems upon completion of the spring semester of the fourth year with a minimum of 129 credits that include all required Pre-Health track coursework.
- The inclusion of optional electives (found in shaded areas of the curricular plan) in the professional phase of the Pre-Health Track offer students the opportunity to complete additional courses of benefit for their future pursuits in medical or other health professional school. The optional courses listed are the recommended courses for medical school but can be replaced with other courses based upon a student’s medical/health professional goals.
- Professional school entrance exam preparation type and timing also can be individualized for each student based upon medical/health professional goals.
- Students who meet the admission criteria for the Pre-Medical and Health Professions Program (duq.edu/pmhpp) are encouraged to apply and enroll in this program in addition to pursuing the BS in HMS degree. Students may apply for enrollment either at the time of initial application to the University or before the beginning of the sophomore year. Advisors from the PMHPP work closely with the HMS advisor to ensure that students remain ‘on track’ to meet all necessary professional school entrance requirements.
- Any student wishing to pursue medical school admission is advised that it may be in his/her best interest to plan to take a ‘glide year’ to adequately complete all of the necessary pre-requisite coursework and prepare for and successfully pass the MCAT entrance examination.

* Flat rate tuition is applied for full-time enrollment during fall and spring semesters. Part-time and summer coursework is charged on a per-credit basis. Students must apply separately for summer funding and scholarships. Tuition and funding information available at www.duq.edu/tuition.