Pre-Health Concentration

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Pre-Health Professions Advisor

The Pre-Health concentration is designed to provide students with the necessary foundation for a career in the Health Professions. Current and transfer students may enroll, if eligible, after completing three full-time semesters of college-level work. This designation will be on their official academic record as fulfillment of the requirements of the concentration. Students from any major and any School of the College may enter the Concentration.

To matriculate in the pre-health concentration, a student must earn an overall average GPA of 3.0 in all courses with no more than two grades lower than a 3.0 in any of the Concentration courses. Students must have completed or be currently enrolled in Science 105, Introduction to Pre-Health Studies. Any Pre-Concentration student who, at any time, fails to meet all requirements concurrently will be dismissed from the concentration. To be in good standing in the concentration, students must take at least six credits in the concentration per academic year (including summer). Students who fail to do so will be dismissed from the concentration but may reapply when this requirement is met. Although not a requirement of the major, all pre-requisites and co-requisites of the below courses must be taken.

As the prerequisites for the various programs in the Health Professions can vary substantially, students may request, in advance, to substitute specific courses for some of the above requirements. Substitutions for any of the above courses will be considered on a case-by-case basis and must be approved in advance by the Pre-Health Advisor. Individual requirements may be waived by the Pre-Health Advisor in special cases. Students who have been dismissed from the Concentration may re-apply. To be successful, such students must demonstrate a greatly improved academic performance or profound extenuating circumstances.

Pre-Health Concentration Requirements

All students enrolled in the Pre-Health Concentration must take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>SCI 105</td>
<td>Introduction to Pre-Health Studies</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>General Biology I</td>
<td>4</td>
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<tr>
<td>BIOL 113</td>
<td>General Biology I Laboratory</td>
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<td>BIOL 112</td>
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<td>BIOL 217</td>
<td>Genetics</td>
<td>4</td>
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<tr>
<td>BIOL 218</td>
<td>Genetics - Lab</td>
<td>0</td>
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<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 103</td>
<td>General Chemistry Laboratory I</td>
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<td>CHEM 102</td>
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<td>3</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry Laboratory II</td>
<td>1</td>
</tr>
</tbody>
</table>
CHEM 319  Organic Chemistry I  3
CHEM 323  Organic Chemistry Laboratory I  2
CHEM 320  Organic Chemistry II  3
CHEM 324  Organic Chemistry Laboratory II  2
CHEM 433  Biochemistry I  3
or BIOL 319  Cellular BioChemistry/Physiology
PHYS 107  Introduction to Physics I  4
or PHYS 101  Physics I
PHYS 197  Introduction to Physics I Lab  0
or PHYS 191  Physics I Lab
PHYS 108  Introduction to Physics II  4
or PHYS 102  Physics II
PHYS 198  Introduction to Physics II Lab  0
or PHYS 192  Physics II Lab
MATH 155  Calculus for the Life Sciences I  3
or MATH 185  Calculus I
MATH 156  Calculus for the Life Sciences II  3
or MATH 186  Calculus II

Students pursuing a career in Physical Therapy, Physician Assistant, and other selected fields may substitute Anatomy and Physiology for Organic Chemistry, with the approval of the Pre-Health Advisor. The substitutions would be as follows:


The above substitutions are not appropriate for Post-Graduate study in the Medicine, Dentistry, Podiatry, Optometry, and Veterinary fields.

The following substitution does not require approval: MATH 230. Elementary Statistics or PSYC 214. Statistics and Research Methods I may replace MATH 156. Calculus II.

For additional information on Pre-Health programs at Manhattan College please go to the Center for Graduate School and Fellowship Advisement (http://catalog.manhattan.edu/undergraduate/academicsupportandresources/fellowshipadvisement/)