PHARMACOLOGY AND TOXICOLOGY, B.S.

FOUR-YEAR PLAN

A minimum of 120 credits is required to earn the B.S. in Pharmacology and Toxicology. Below are sample four-year plans for the Pharmacology and Toxicology major, incorporating both prerequisites and major coursework. They focus on science coursework sequencing and do not take into account factors such as AP or advance standing credits, additional summer courses, study abroad, or preparing for standardized tests like the MCAT or PCAT.

It is **critical** that you talk with your advisor about your tentative plan for course sequences and prerequisites, which courses are offered fall vs. spring vs. summer, etc.

**EXAMPLE PLAN: CHEM 103/104**

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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<td>CHEM 104</td>
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<tr>
<td>MATH 221</td>
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<tr>
<td>Communication A</td>
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<td>3-4</td>
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<td>PHM SCI 558</td>
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<td>PHM SCI 679</td>
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<td>Humanities</td>
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<tbody>
<tr>
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<td>PharmTox elective</td>
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<td>GENETICS 466</td>
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**EXAMPLE PLAN: CHEM 109; BIOLOGY IN FIRST YEAR**

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<th>Spring</th>
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<tbody>
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<tr>
<td>MATH 221</td>
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<tbody>
<tr>
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<td>Electives or research</td>
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<th>Spring</th>
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<td>ANAT&amp;PHY 335</td>
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<td>Humanities</td>
<td>3 PHYSICS 104 or 208</td>
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<td>Electives or research</td>
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<td><strong>Total Credits</strong></td>
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PHM SCI/M&ENVTOX/ONCOLOGY/PHMCOL-M/POP HLTH 625
PHM SCI 623 or BIOCHEM 630
PHYSICS 104
4 GENETICS 466 (not req. if Biocore taken)
PharmTox elective or research
2-3 Electives or research

**Total Credits 112-121**

1 PHMCOL-M/PHM SCI 521 Pharmacology I and PHM SCI 623 Pharmacology III are taken concurrently/in the same semester; PharmTox students can take PHM SCI 623 Pharmacology III before taking PHMCOL-M/PHM SCI 522 Pharmacology II.
Electives 3 Electives 3-5

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1. PHMCOL-M/PHM SCI 521 Pharmacology I and PHM SCI 623 Pharmacology III are taken concurrently/in the same semester; PharmTox students can take PHM SCI 623 Pharmacology III before taking PHMCOL-M/PHM SCI 522 Pharmacology II.

**EXAMPLE PLAN: CHEM 103 SPRING OF FIRST YEAR**

**Freshman**

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<th>Fall</th>
<th>Credits</th>
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**Sophomore**

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<tr>
<th>Fall</th>
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<tr>
<td>CHEM 104</td>
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<td>ZOOLOGY/BIOLOGY/BOTANY 151</td>
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<td>5 CHEM 344</td>
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<tr>
<td>Ethnic Studies</td>
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**Junior**

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<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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<td>3 BIOCHEM 508</td>
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<tr>
<td>PHM SCI 558</td>
<td>2 PATH 404</td>
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<tr>
<td>ANAT&amp;PHY 335</td>
<td>5 PHM SCI 679</td>
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<tr>
<td>STAT 371</td>
<td>3 PHYSICS 103</td>
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<tr>
<td>Humanities</td>
<td>3 Research</td>
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**Senior**

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<tr>
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<tr>
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<td>PHYSICS 104</td>
<td>4 GENETICS 466</td>
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1. PHM SCI/PHMCOL-M 521 Pharmacology I and PHM SCI 623 Pharmacology III are taken concurrently/in the same semester; PharmTox students can take PHM SCI 623 Pharmacology III before taking PHM SCI/PHMCOL-M 522 Pharmacology II.