# M.S. in Pharmaceutical Chemistry

## M.S. in Pharmaceutical Chemistry (courses only)

### Required Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 605</td>
<td>Advanced Organic Chemistry I: Structure</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 673</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 777</td>
<td>Principles of Medicinal Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 714</td>
<td>Pharmaceutical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PHEN 601</td>
<td>Principles of Pharmaceutical Engineering</td>
<td>3</td>
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</table>

### Elective Courses

Select five of the following:

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<thead>
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<tbody>
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<td>Instrumental Analysis Laboratory</td>
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</tr>
<tr>
<td>CHEM 664</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 737</td>
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</tr>
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</tr>
<tr>
<td>PHEN 618</td>
<td>Principles of Pharmacokinetics and Drug Delivery</td>
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</tr>
<tr>
<td>ME 635</td>
<td>Computer-Aided Design</td>
<td>3</td>
</tr>
<tr>
<td>R120 572</td>
<td>Concepts in Pharm Drug Dev (Rutgers)</td>
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</tr>
<tr>
<td>R160 515</td>
<td>Chem Struct Determin (Rutgers)</td>
<td>3</td>
</tr>
<tr>
<td>RBHS courses - PATH N5209: Molecules to Medicines, GSND-N5310: Clinical Trials Overview, PHPY Principles of Pharmacology</td>
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**Total Credits**: 30

## M.S. in Pharmaceutical Chemistry (Master's project)

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### Project

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RBHS courses - PATH N5209: Molecules to Medicines, GSND-N5310: Clinical Trials Overview, PHPY Principles of Pharmacology

**Total Credits**

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**M.S. in Pharmaceutical Chemistry (Master’s thesis)**

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