# MSc in Pharmaceutical Technology: Discovery, Development and Production

## Year 1

<table>
<thead>
<tr>
<th>Period 1</th>
<th>Period 2</th>
<th>Period 3</th>
<th>Period 4</th>
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<tbody>
<tr>
<td>KLGN35 Pharmaceutical formulation &amp; production 7,5 credits</td>
<td>KIMNxx Biological pharmaceuticals 7,5 credits</td>
<td>KASN01 Project in pharmaceuticals, materials or chemistry 15 credits</td>
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<tr>
<td>KOKN01 Medicinal chemistry 7,5 credits</td>
<td>Elective-Mandatory</td>
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- **Elective-Mandatory (at least 2)**
  - KFKN10 Biophysical chemistry 7,5 credits (P2)
  - KASN05 Advanced analytical chemistry 7,5 credits (P2)
  - KOKN05 Organic chemistry – theory 7,5 credits (P2)
  - KMBF10 Quality & product safety 7,5 credits (P3)
  - KIMN01 Immuno-technology 7,5 credits (P4)
  - KFKN05 Surface and colloid chemistry 7,5 credits (P4)

- **Elective**
  - EEMN21 Intro to Microfluidics and Lab-on-a-chip Systems 7,5 credits (P1)
  - KLGN10 Chemo-metrics, DoE and multivariate anal. 7,5 credits (P1)
  - KBKN05 Protein engineering 7,5 credits (P1)
  - EXTG50 Human physiology 7,5 credits (P2)
  - KBTN05 Downstream processing in biotech. 7,5 credits (P2)
  - KBTN01 Bioanalytical chemistry 7,5 credits (P3)
  - KFKN01 Magnetic resonance-Spectroscopy & imaging 7,5 credits (P3)

## Year 2

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<tr>
<td>KMBN02 Project in life science including formulation 15 credits</td>
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- **Degree Project** 30 credits