The University of Iowa College of Pharmacy
Enrollment Questionnaire
Undergraduate Certificate in Drug Delivery

Students possess a minimum cumulative GPA of 3.0, and earn minimum grade of B- in all prerequisite course work. Students requesting admission to the program who do not meet these requirements should contact the COP Associate Dean for Undergraduate Education (maureen-donovan@uiowa.edu) to discuss admission to the certificate program. Prerequisite coursework credit hours do not count towards credit in the certificate. Students must maintain a minimum GPA of 2.5 in all coursework for the certificate.

Name: ___________________________  Last (family)  First  Middle  Daytime Telephone: ___________________________
Email Address: ___________________________
Current Major: ___________________________
Academic Advisor: ___________________________

Postsecondary Degrees Received or Anticipated

<table>
<thead>
<tr>
<th>Institution</th>
<th>Location of Institution</th>
<th>Degree Earned/Anticipated</th>
<th>Degree Conferral Date</th>
<th>Hours Earned</th>
</tr>
</thead>
<tbody>
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</table>

Completed Prerequisite Courses toward Certificate

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Semester Completed</th>
<th>S.H.</th>
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</table>

No more than 6 s.h. of coursework may be used from required courses for another major, minor, or certificate to satisfy certificate requirements.

Applicant Signature: ___________________________  Date: ___________________________

Departmental Action (to be completed by the College of Pharmacy Office of Undergraduate Education)

Approved: [ ]  Denied: [ ]

College of Pharmacy Office of Undergraduate Education: ___________________________  Date: ___________________________
### Prerequisite Courses
*(credit not counted toward certificate)*

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>SH</th>
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</thead>
<tbody>
<tr>
<td>BIOC:3110</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BiOL:1411 or equivalent</td>
<td>Foundations of Biology or equivalent</td>
<td>4</td>
</tr>
<tr>
<td>CHEM:2220</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>HHP:3500</td>
<td>Human Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PCOL:2120 or PCOL:4130 or HHP:4480</td>
<td>Drugs: Their Nature, Action and Use or Drug Mechanisms and Actions or Introduction to Human Pharmacology</td>
<td>2 or 3 or 3</td>
</tr>
<tr>
<td>MATH:1380 or MATH:1460 or Equivalent</td>
<td>Calculus and Matrix Algebra for Business or Calculus for the Biological Sciences or Equivalent</td>
<td>4</td>
</tr>
<tr>
<td>MATH:1560 or MATH:1860</td>
<td>Engineer Math II: Multivariable Calculus or Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>STAT:1020 / PSQF:1020 or STAT:1030 or STAT:2010 or Equivalent</td>
<td>Elementary Statistics and Inference or Statistics for Business or Statistical Methods and Computing or Equivalent</td>
<td>3 or 4 or 3</td>
</tr>
</tbody>
</table>

### Required Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Semester Offered</th>
<th>SH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR:1100 or PHAR:1111</td>
<td>Introduction to Pharmaceutical Sciences: Drug Development or Need A New Drug?</td>
<td>Fall or Fall &amp; Spring</td>
<td>2 or 1</td>
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<tr>
<td>PHAR:4146</td>
<td>Drug Disposition and Pharmacokinetics</td>
<td>Spring</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:4700 or PHAR:4130</td>
<td>Pharmaceutical Chemical Analysis or Bioanalytical Techniques</td>
<td>4 or 2</td>
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</tr>
<tr>
<td>PHAR:4736</td>
<td>Properties of Dosage Forms I</td>
<td>Fall</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:4737</td>
<td>Properties of Dosage Forms II</td>
<td>Spring</td>
<td>2</td>
</tr>
<tr>
<td>PHAR:4740</td>
<td>Materials in Drug and Gene Delivery</td>
<td>Fall (odd years)</td>
<td>3</td>
</tr>
<tr>
<td>PHAR:4745</td>
<td>Drug Delivery I</td>
<td>Spring (even years)</td>
<td>3</td>
</tr>
<tr>
<td>PHAR:4800</td>
<td>Chemical and Biophysical Properties of Drugs</td>
<td>Spring</td>
<td>1</td>
</tr>
</tbody>
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Return Completed Application via Mail or Email to:
Office of Undergraduate Education
127-D PHAR
115 S Grand Ave.
Iowa City, IA 52242-1112
phar-undergraduate@uiowa.edu
(319) 335-9112