# Latent Fingerprint Identification Curricula
## Chemistry Area of Emphasis

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prerequisite</th>
<th>Hours</th>
<th>Spring</th>
<th>Prerequisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol 15</td>
<td>NA</td>
<td>4</td>
<td>Biol 17</td>
<td>Bio 15</td>
<td>4</td>
</tr>
<tr>
<td>Chem 15*</td>
<td>*</td>
<td>4</td>
<td>Chem 16</td>
<td>Chem 15</td>
<td>4</td>
</tr>
<tr>
<td>Math 15*</td>
<td>*</td>
<td>4</td>
<td>Engl 1</td>
<td>2nd Semester Status</td>
<td>3</td>
</tr>
<tr>
<td>SPA 80 (A)</td>
<td>NA</td>
<td>3</td>
<td>Math 16</td>
<td>Math 15</td>
<td>4</td>
</tr>
<tr>
<td>SPA 80 (A)</td>
<td>NA</td>
<td>3</td>
<td>Psyc 1 (B)</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total hours:</strong></td>
<td></td>
<td><strong>15</strong></td>
<td><strong>Total hours:</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

* Requires a math score of 640 on the SAT or 26 on the ACT to enroll without taking a placement exam. All students entered into the pre-program whose SAT or ACT scores fall below these values may take a placement exam to qualify for these courses. Failure of the placement exam will result in enrollment in Chem 10 and Math 3,4, or 28 dependent upon test results or SAT or ACT scores prior to enrolling in Chem 15 and Math 15.

**Note:** Students considering this Area of Emphasis are advised to take Chemistry 17 & 18 (Honor’s Chemistry). Admission into Chemistry 17 is obtained by passing the chemistry placement and diagnostic exams. Minimum scores of 22 (placement) and 9 (diagnostic) are required to place into Chemistry 17. These two courses replace Chemistry 15, 16, & 115.

### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prerequisite</th>
<th>Hours</th>
<th>Spring</th>
<th>Prerequisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 133</td>
<td>Chem 16</td>
<td>3</td>
<td>Chem 136</td>
<td>Chem 133/135</td>
<td>1</td>
</tr>
<tr>
<td>Chem 135</td>
<td>Chem 16</td>
<td>1</td>
<td><strong>FIDP 201(Intro Forensics)</strong></td>
<td>Sophomore standing</td>
<td>3</td>
</tr>
<tr>
<td>CS 5</td>
<td>NA</td>
<td>4</td>
<td>Phys 1</td>
<td>HS trig &amp; Math 3/4</td>
<td>4</td>
</tr>
<tr>
<td>Stat 201</td>
<td>Math 16</td>
<td>3</td>
<td>Engl 2</td>
<td>Engl 1</td>
<td>3</td>
</tr>
<tr>
<td>Cluster elective</td>
<td>NA</td>
<td>3</td>
<td>Cluster elective</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total hours:</strong></td>
<td></td>
<td><strong>18</strong></td>
<td><strong>Total hours:</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

1 Letter in parenthesis indicates fulfillment of a Cluster requirement.

**Pending course approval**

Cluster Totals: Cluster A = 3 hours; Cluster B = 3 hours; Either = 6.

**Total Number of Hours for First Two Years = 68**
Chemistry Area of Emphasis

Third Year - Chemistry

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prerequisite</th>
<th>Hours</th>
<th>Spring</th>
<th>Prerequisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGBI 210/211</td>
<td>Chem 131 or 133</td>
<td>3 + 1</td>
<td>Chem 141</td>
<td>Phys 1 &amp; 2</td>
<td>3</td>
</tr>
<tr>
<td>Phar 249</td>
<td>Biol 15</td>
<td>3</td>
<td>Chem 142</td>
<td>Phys 1 &amp; 2</td>
<td>1</td>
</tr>
<tr>
<td>Phys 2</td>
<td>Phys 1</td>
<td>4</td>
<td>Engl 208 (W)</td>
<td>Engl 1 &amp; 2</td>
<td>3</td>
</tr>
<tr>
<td>Stat 291D (Forensic Stat)</td>
<td>Stats 201</td>
<td>3</td>
<td>Chem 210</td>
<td>Chem 115, 141, &amp; 142</td>
<td>3</td>
</tr>
<tr>
<td>Chem 115</td>
<td>Chem 15 &amp; 16</td>
<td>4</td>
<td>FIDP# (Field Experience)</td>
<td>FIDP major</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total hours:</strong></td>
<td><strong>18</strong></td>
<td></td>
<td>Cluster elective</td>
<td><strong>NA</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

* Unless Chemistry 17 & 18 taken in place of Chemistry 15 & 16.

Summer

| FIDP 386 (Internship) | FIDP major | 6 |

Fourth Year - Chemistry

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prerequisite</th>
<th>Hours</th>
<th>Spring</th>
<th>Prerequisite</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIDP 408 (FI Journal Club)</strong></td>
<td>Sr FI major</td>
<td>1</td>
<td><strong>FIDP 410 (Capstone seminar)</strong></td>
<td>Sr FI major</td>
<td>6</td>
</tr>
<tr>
<td>Chem 213</td>
<td>Chem 210</td>
<td>1</td>
<td>Cluster elective</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td><strong>FIDP 404 Law (Evidence &amp; Law)</strong></td>
<td>Sr FI major</td>
<td>3</td>
<td>Cluster elective</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td><strong>FIDP 406 Law (Test &amp; Moot Court)</strong></td>
<td>Sr FI major</td>
<td>2</td>
<td>Elective</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td>Metc 191 (Lab QA)</td>
<td>FI major</td>
<td>1</td>
<td><strong>Total hours:</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td>Chem 235</td>
<td>Chem 134 &amp; 136</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cluster elective</td>
<td>NA</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Pending course approval

Note: All required courses must be passed with at least a C grade.

Total Number of Hours = 137
Changes/Clarifications to the Chemistry Area of Emphasis

Courses No Longer Required
1. Pharmacology 362
2. Psychology 191
3. Philosophy 10 (Changed to recommended elective)

Overall Rationale
The overall intent is to reduce the number of hours required in the major without compromising the rigor of the program and to clarify issues not fully resolved in the Board of Trustees’ document. Changes are based upon the BOT document and not the various, often inaccurate, versions of the curriculum floating around the campus. For the Chemistry Area Of Emphasis (AOE), the hours are reduced from 143 to 137.

Rationale for Specific Changes
Pharmacology 362 (Occupational Toxicology), a graduate course requiring special permission for undergraduates to enroll in, has been dropped while Pharmacy 249 (Drugs and Medicine) remains a required course. The likelihood of investigating crimes involving occupational chemical exposure is remote compared to crimes involving drug usage, hence the graduate level Occupational Toxicology has been dropped and the undergraduate Drugs and Medicine course has been retained.

Psychology 191 (Trauma and Stress) has been eliminated as a required course. Students graduating from this AOE will be working in a laboratory setting and will not be subjected to the same stresses as those actually working with the crime scene and victims of the crime. Their stress will not be any heavier than a standard laboratory worker.

Philosophy courses are now recommended, not required, cluster courses. The Board Of Trustees’ document is inconsistent with regards to whether a Philosophy course is required or not. This change does not reduce the number of hours in the program but clarifies the BOT document and provides for greater scheduling flexibility.