Chicago State University
College of Pharmacy
Evidence of Student Learning

Licensure Pass Rates

<table>
<thead>
<tr>
<th></th>
<th>Class of 2013</th>
<th>Class of 2014</th>
<th>Class of 2015</th>
<th>Class of 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAPLEX Pass Rates for First-Time Candidates</td>
<td>89.87%</td>
<td>90.9%</td>
<td>76.5%</td>
<td>71.19%</td>
</tr>
<tr>
<td>MPJE (IL) Pass Rate for First-Time Candidates</td>
<td>91.53%</td>
<td>91.07%</td>
<td>84.0%</td>
<td>62.07%</td>
</tr>
</tbody>
</table>

Graduation Rates

<table>
<thead>
<tr>
<th></th>
<th>Class of 2013</th>
<th>Class of 2014</th>
<th>Class of 2015</th>
<th>Class of 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Student Matriculated</td>
<td>90</td>
<td>91</td>
<td>83</td>
<td>95</td>
</tr>
<tr>
<td>Percentage of Students with On-Time Graduation</td>
<td>85.56%</td>
<td>84.62%</td>
<td>77.11%</td>
<td>75.79%</td>
</tr>
<tr>
<td>Percentage of Students Graduating within 1 Year of Expected</td>
<td>91.1%</td>
<td>90.11%</td>
<td>92.8%</td>
<td>82.11%</td>
</tr>
<tr>
<td>Percentage of Students Graduating within 2 Years of Expected</td>
<td>92.2%</td>
<td>94.51%</td>
<td>94.0%</td>
<td>82.11%</td>
</tr>
<tr>
<td>Academic Attrition Rate</td>
<td>5.56%</td>
<td>3.30%</td>
<td>6.02%</td>
<td>15.79%</td>
</tr>
<tr>
<td>Non-Academic Attrition Rate</td>
<td>2.22%</td>
<td>2.20%</td>
<td>0%</td>
<td>2.11%</td>
</tr>
</tbody>
</table>

Measures of Student Achievement

- 100% of Chicago State University College of Pharmacy graduates complete a required Capstone Research Experience. In 2013, this resulted in 40 scientific poster presentations. Examples of research include:
  - Preliminary Phytochemical Investigation of Cocholspermum angolense Bark*
- Pharmacists-Led Phone Calls after Hospital Discharge and Acute Decompensated Heart Failure Readmissions*
- Comparison of Traditional Point of Care Testing in an Anticoagulation Clinic versus Home Self-Testing*
- Capstone Research Projects & Beyond: Perceptions of Fourth Year Professional Students on Pharmacy Job Attainment*
- The Pharmacist as a Public Resource*
- A Phytochemical Chemical Approach to Drug Discovery from Traditional Herbal Remedies
- Determining the Causes of Low Enrollment Rates of Hispanic Students in Illinois Pharmacy Schools
- Substance Abuse Education for Grade School through High School-Aged Children
- Development of a Compact Aquaponics System to Grow Dietary Herbal Supplements (Phase 2)
- Health Education and Adherence to Lifestyle Enhancements (HEALE) Trial: Health Education for the Prevention of Hypertension in College Students

- In 2014, this resulted in 51 scientific poster presentations. Examples of research include:
  - Knowledge of Medicines and Health Related Issues**
  - Perceptions of a Compact Aquaponics System in Inner City Neighborhoods of Chicago: A Potential Solution to Food Deserts and Nutritional Deficiencies in the Community**
  - Evaluation of Oral Extended-Release Drug Formulations for Cancer Epigenetic Therapy**
  - Perception of 4th Year Pharmacy Students about Using Herbal Products after Taking a Three Month Course of Complementary and Alternative Medicine at Chicago State University College of Pharmacy**

*Selected Best of Capstone Research Day – May 3, 2013

**Selected Best of Capstone Research Day – May 2, 2014
• In 2013, students have presented scientific research at local, state and national meetings.
  o Students placed first in the 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math poster competition with a poster entitled, “Neurotoxic Effects of Acrylamide on Expression of Nr4a2 in the Nervous System of Juvenile Rats.”
  o Students presented at the 2013 ASHP Midyear Clinical Meeting in Las Vegas, NV. Examples of presentations include the following:
    ▪ Comparison of Parthenolide Levels in Aquaponically versus Conventionally Grown Tanacetum Partenium (Feverfew)
    ▪ Concentration-dependent Inhibition of Recombinant Human Fatty Acid Amid Hydrolase and Monoacylglycerol Lipase by Nutmeg Extracts
    ▪ Impact and Perception of Senior Buddy Program on Community-Dwelling Older Adults

• Five Chicago State University College of Pharmacy students have received the prestigious Schweitzer Fellowship.
  o Angela Pruitt (2016-17)
  o Michael Wilcox (2014-15)
  o Bernice Mann (2013-14)
  o Maimoona Batul (2011-12)
  o James Lott (2009-10)

• Residency Match Results for the Class of 2016
  o PGY1 Results 2016 Graduates
    ▪ Nicole Banks: Maimonides Medical Center, Brooklyn, NY
    ▪ Abdel Bello: St. Vincent Health Care, Jacksonville, FL
    ▪ Erielle Espina: Ingalls Memorial Hospital, Harvey, IL
    ▪ Kaitlin Ferguson: University of Chicago Medical Center, Chicago, IL
- Antonia Kraljevic: Northwestern Memorial Hospital, Chicago, IL
- Kristine Manlimos: Community Healthcare System/Community Hospital, Munster, IL
- Sreya Patel: Comprehensive Pharmacy Services/Mercy Hospital, Chicago, IL
- Michaela Smith: Texas Southern University, Houston, TX
- Coty Tunwar: Wesley Medical Center, Wichita, KS
- Sarah Yousif: Henry Ford Macomb Hospital, Clinton Township, MI

- Residency Match Results for the Class of 2015
  - PGY1 Results 2015 Graduates
    - Abraham Avalos: Franciscan St. Margaret
    - Akorede Dada: Franciscan St. Margaret
    - April Henson: Walgreens-University of Houston
    - Taylor Highland: Borgess Medical Center
    - Niakisha Johnson: St. John’s Hospital
    - Bernice Mann: PGY1 &PGY2, University of Chicago
    - Numoula Mazhari: University of Minnesota College of Pharmacy
    - Michael Wilcox: Northwestern Memorial Hospital
    - Sharon Xavioer: University of Illinois at Chicago
  - PGY2 for 2014 Graduates
    - Brandy Cooper, PGY2 Health System Pharmacy, Mount Sinai Hospital Medical Center
    - Abby Dunker, PGY2 Critical Care, University of Chicago Medical Center

- Residency Match Result for the Class of 2014
  - 10 of 14 (71%) graduates matched (National Average: 64%)
  - PGY1 Results 2014 Graduates
    - Parth Patel, Wheaton Franciscan St. Joseph, Milwaukee, WI
    - Jaclyn Sievers: Capt. James A. Lovell VA, North Chicago, IL
- Kunal Desai: Aurora Healthcare Metro, Milwaukee, WI
- Cristina Miglis: Mount Sinai St. Luke’s, Manhattan, NY
- Nitaliya Sildenikova: NorthShore University Health System, Chicago, IL
- Abby Dunker, University of Chicago Medical Center, Chicago, IL
- Brandy Cooper: Ingalls Memorial Hospital, Harvey, IL
- Desiree Ferrel: Tucson Medical Center, Tucson, AZ
- Elisha Paul: Aspirus Hospital, Wausau, WI
- Jay Patel: Coventry Managed Care Residency, Kansas City, MO

  - **PGY2 Results for 2013 Graduates**
    - Tatiana Maude: PGY2, Psychiatry, Jesse Brown VA
    - Elizabeth Lee: PGY2, Academia/Critical Care, Dallas VA