

**Wayne State University**  
**Doctor of Pharmacy Program**

# **PHARMACY STUDENT HANDBOOK**

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**Eugene Applebaum  
College of Pharmacy  
and Health Sciences**

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## INTRODUCTION

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Welcome to the **Doctor of Pharmacy** program at Wayne State University in the Eugene Applebaum College of Pharmacy and Health Sciences. The administration, faculty, alumni and current students wish you success in the program.

This *Pharmacy Student Handbook* was developed for Doctor of Pharmacy (Pharm.D.) students and contains important information that can be helpful as you proceed through the program. Curricular information, policies and procedures, as well as extracurricular and professional matters are explained in the *Pharmacy Student Handbook*. Please refer to this handbook throughout your years in the program. The Pharmacy Student Handbook can be found online at: <http://www.cphs.wayne.edu/pharmd/resources.php>



*Deepak K. Bhalla, Ph.D.  
Interim Dean*

The EACPHS Student Handbook (<http://cphs.wayne.edu/resources.php>) is a companion to the **Pharmacy Student Handbook** that contains information specific for students in all of our college programs. Please refer to the information as needed.

**Each student is responsible to read, understand and apply the information found in both handbooks.**

*Every effort is made to provide accurate and current data for this handbook. Please send any corrections, additions or comments to [jhayek@wayne.edu](mailto:jhayek@wayne.edu) for the next edition.*

# Vision and Mission Statement

## VISION

To cultivate intellectual innovation and leadership and advance the practice and science of pharmacy, to transform health care and enhance the lives of people and communities.

### **Indicators:**

- Our PharmD graduates are differentiated\* and sought after because of their clinical skills and ability to provide inter-professional, evidenced-based care that ensures optimal health of the patient and of the public.
- Our research is internationally recognized for scientific and leadership contributions, and our trainees are highly sought after.
- Our education and research are recognized for the impact on metro Detroit's health care environment and diverse population.
- Our alumni and students are actively engaged with the College and satisfied with that relationship.
- Our recruits are the highest quality students annually to fill our programs and ensure we're meeting the growing health care needs.
- Our graduates are involved in innovative practices and research that advance science, improve patient care and expand the scope of practice.
- Our environment supports excellence in research.

*\*Qualitative differentiation:  
practice-ready, eager,  
willing to work, willing to  
do whatever it takes,  
prepared to work with  
diverse populations.*

## MISSION STATEMENT

The mission of the Wayne State University Pharmacy Program is to advance pharmacy education, practice, research, and public service, to improve health outcomes.

### **We will accomplish this by:**

- Developing our graduates and pharmacy practitioners to practice at the top of their degree and lead the profession.
- Strengthening our research programs, and promoting the dissemination and application of scholarship.
- Strengthening and establishing key partnerships, collaborations, and strategic alliances.
- Attracting and retaining outstanding faculty, staff, and students.
- Supporting an infrastructure that optimizes operational efficiency.
- Creating a culture that promotes faculty and staff success, and fosters ongoing career development.
- Increasing the effectiveness of the Program by advancing internal and external awareness of the Program's strengths and unique attributes.

# Program Accreditation

Wayne State University (WSU <http://wayne.edu>) is a member of the American Association of Colleges of Pharmacy (AACP <http://aacp.org>). The PharmD program is accredited by the American Council on Pharmaceutical Education (ACPE <http://www.acpe-accredit.org/>), 135 S. LaSalle Street, Suite 4100 Chicago, Illinois 60603-4810, 312/664.3575, FAX 866.228.2631. The program is currently accredited through 2018.

## **Wayne State University PharmD Student Complaint Policy**

**Revised October, 2015**

The Wayne State University PharmD program provides each professional student the ability to lodge complaints about the professional program regarding the Accreditation Council on Pharmacy Education (ACPE) Standards. Any professional student can provide a written complaint to the College about any accreditation standard (<https://www.acpe-accredit.org/pdf/Standards2016FINAL.pdf>), student rights to due process, or any other unresolved issue. Students also have the right to file complaints concerning other program issues that may not directly pertain to accreditation standards. The policy below outlines the procedure to use to file a complaint concerning the program.

### **Program Complaint Policy**

#### **1. Concerns or Grievances Regarding Standards and/or Policies and Procedures of the Accreditation Council for Pharmacy Education (ACPE)**

Students who wish to file a complaint related to the accreditation standards, student's rights to due process and appeal mechanisms, shall submit the complaint in writing to: ACPE Executive Director, ACPE, at: [csinfo@acpe-accredit.org](mailto:csinfo@acpe-accredit.org). Complaints must identify the specific standard(s) that is not being adhered to and include evidence to support the complaint. For additional information regarding ACPE complaint procedures, please see: <https://www.acpe-accredit.org/complaints/>. Copies of the ACPE standards are available on-line at <https://www.acpe-accredit.org/>.

#### **2. Complaints or grievances not related to ACPE Standards**

Students can submit a written complaint by completing the form on the student resources website and returning it to Jozy Hayek, inside the EACPHS Dean's Suite, office 2610. Anonymous or identified complaints are acceptable. The Associate Dean of Pharmacy will bring any such complaints to the Pharmacy Executive Committee for discussion and will provide the student with a written response to their complaint. Complaints will be investigated in a thorough and timely manner by the Pharmacy Executive Committee in consultation with faculty, students and others as required. The file will be kept separate from student academic records or faculty/staff personnel records. If a complaint is filed anonymously, it should be understood that addressing the complaint may be difficult without providing enough detail in the complaint to allow the Pharmacy program to adequately understand the complaint. We therefore strongly encourage providing your name.

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# ORGANIZATION AND ADMINISTRATION OF THE PHARMACY PROGRAM

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## The Faculty of Pharmacy

**The Faculty of Pharmacy** is made up of faculty members in the **Department of Pharmacy Practice** (PPR) and the **Department of Pharmaceutical Sciences** (PSC) who teach in the curriculum of the PharmD program as well as graduate programs in their respective departments. The program is administered by the Pharmacy Executive Committee which consists of the Interim Dean Deepak Bhalla, PhD., the Associate Dean for Pharmacy Richard Lucarotti, Pharm.D., the Interim Chair of the Department of Pharmacy Practice, Lynette Moser, Pharm.D., and the Associate Dean for Graduate and Public Affairs and Chair of the Pharmaceutical Sciences Department, George Corcoran, PhD.

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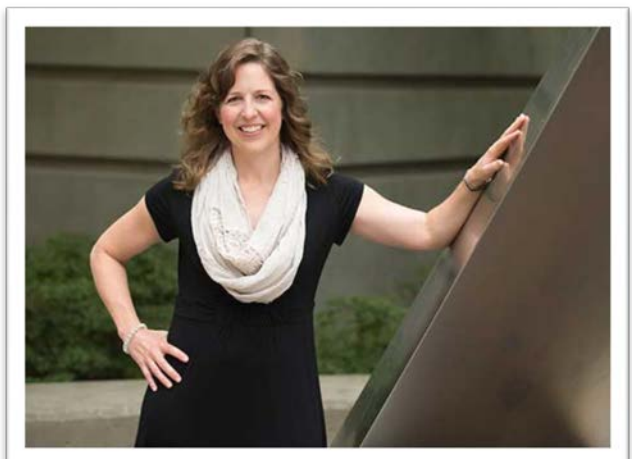
### Department of Pharmaceutical Sciences (3100 EACPHS)

The research and teaching interests of faculty members in the Department of Pharmaceutical Sciences are focused on basic pharmaceutical sciences including pharmacology, pharmaceutics and medicinal chemistry. The chair of the department is **George Corcoran, PhD**, Professor.



### Department of Pharmacy Practice (2190 EACPHS)

Faculty members in the Department of Pharmacy Practice have research, teaching, and practice interests related to the clinical use of drugs in patients. Many PPR faculty members have joint positions with a practice site in a local hospital, ambulatory care center or pharmacy. The interim chair of the department is **Lynette Moser, Pharm.D.**, Associate Professor.





# Pharmacy Practice and Pharmaceutical Sciences Faculty Roster

A list of current faculty members can be found online at <http://cphs.wayne.edu/faculty/index.php>

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## STUDENT RESOURCES

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### **EACPHS Policies and Procedures**

Access the **EACPHS Student Handbook** at: <http://www.cphs.wayne.edu/resources.php>

### **Faculty of Pharmacy Advisors**

Faculty advisors are assigned to each pharmacy student throughout the curriculum. The members of the Faculty of Pharmacy provide counsel for academic, personal, and professional issues and act as a resource for information. The student is encouraged to develop a relationship with their faculty advisor as early as possible in the P1 year and to continue that relationship throughout the program. The faculty members are a valuable resource for academic and professional advice.

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# DOCTOR OF PHARMACY CURRICULUM

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## Educational Philosophy and Principles

Information regarding the pharmacy curriculum and curricular philosophy can be found on the PharmD program website at: <http://www.cphs.wayne.edu/pharmd/curriculum.php>

### **Curricular Philosophy – Approved January 29, 2015 by the Faculty of Pharmacy**

1. Professional development and career planning will be accomplished through coursework and structured individual advising throughout the entire curriculum.
2. Students will be exposed to practice experiences, which are based upon the provision of pharmaceutical care that begins upon entry into the curriculum and continues throughout the four years of the curriculum.
3. Pharmaceutical sciences and clinical sciences will be integrated throughout the curriculum with the goal of demonstrating the value of basic science knowledge. Clinical and scientific concepts and principles will be linked as threads throughout the curriculum and pillars within a semester to emphasize the connections between courses and disciplines.
4. Faculty will deliver the curriculum to students utilizing active, student-centered approaches that incorporate application of knowledge. Effective teaching methods will be used and will incorporate evidence-based approaches to teaching and learning (*e.g.*, team-based learning and problem-based learning).
5. The curriculum will be “patient-focused” and train students to be primary care providers. This will involve teaching students patient assessment and advanced oral and written communications skills.
6. Interprofessional education will be incorporated throughout the curriculum, providing pharmacy students opportunities to learn about, from, and with students and practitioners from other health professions.
7. The integration of experiential education into pharmacy practice at the affiliated practice sites will provide active student learning and the enhancement and extension of service provision.
8. The curriculum will be reviewed on an ongoing basis with feedback from multiple stakeholders, including: faculty, students, preceptors, employers, alumni and community affiliates.

# Professional Curriculum

## **Current curriculum (for the graduating classes of 2017, 2018, and 2019)**

Students who entered the Doctor of Pharmacy program in 2015 and before are completing coursework as outlined in the [curriculum guide](#) for the graduating classes of 2017, 2018 and 2019.

## **Renewed curriculum (for the graduating classes of 2020 and beyond)**

The [renewed Doctor of Pharmacy curriculum](#) went into effect with the first professional year class admitted starting the Fall 2016 semester. The curriculum was designed and implemented by the Departments of Pharmacy Practice and Pharmaceutical Sciences to educate and prepare students for the evolving demands of the profession.

## **Renewed curriculum with a research concentration**

Students participating in the [Research Scholars program](#) will complete coursework leading to a [Doctor of Pharmacy degree with a concentration in research](#). This track is designed for students who want to distinguish themselves from other PharmD students, particularly if they are interested in pursuing post-graduate residencies, fellowships, or positions focused on evidence-based research.

**Ability Based Outcomes:** The [Ability-based outcomes](#) define what graduates are expected to be able to do as a result of the knowledge, skills and attitudes gained through completing the entire curriculum.

**Experiential Education:** [Experiential education](#), places students in authentic practice environments so they learn to explore and address real-life health challenges by applying knowledge and concepts learned in the classroom.

**The Professionalism Curriculum:** The [professionalism curriculum](#) defines the characteristics of a professional and outlines non-academic requirements that students must complete to encourage and evaluate the development of professional values, attitudes, skills and behaviors

**Technical Standards:** The [Technical standards](#) are a set of physical, cognitive and behavioral skills that student must demonstrate to be effective pharmacists.



## Academic Calendar for 2017-2018

The pharmacy program does not follow the same academic calendar as the main campus at Wayne State University. The most up to date academic calendar can be found online at <http://cphs.wayne.edu/pharmd/class-schedule.php>. Please note the key dates below:

<b>FALL SEMESTER, 2017 P1-P2 Students</b>	<b>FALL SEMESTER, 2017 P3 Students</b>
Monday 8/21: College Orientation (P1) Tuesday 8/22: Pharmacy Orientation (P1) Wednesday 8/30: Start of Classes Monday 9/4: Labor Day Holiday Wednesday 11/22– Sunday 11/26: Thanksgiving Day Holiday Monday 12/11: Last day of classes Tuesday 12/12: Study Day Wednesday 12/13 – Tuesday 12/19 Final Exam Days	Monday 8/28: Start of Classes Monday 9/4: Labor Day Holiday Monday 10/16: Last Day of Classes (first 7 weeks) Tuesday 10/17 – Friday 10/20 Exam Days: No Classes are to be scheduled Monday 10/23 – First day of second ½ semester module Wednesday 11/22– Sunday 11/26 Thanksgiving Day Holiday Tuesday 12/12: Last day of classes Wednesday 12/13 – Tuesday 12/19 Final Exam Days
<b>WINTER SEMESTER, 2018 P1-P2 Students</b>	<b>WINTER SEMESTER, 2018 P3 Students</b>
Monday 1/8 First Day of Classes Monday 1/15: No classes MLK Day Monday 3/12 – Saturday 3/17: Spring Break Week Monday 4/23: Last day of classes Tuesday 4/24: Study Day Wednesday 4/25 – Tuesday 5/1: Exam Days	Tuesday 1/2: First Day of Classes Monday 1/15: No classes MLK Day Wednesday 2/21: Last Day of Classes (First 7 weeks) Thursday 2/22 – Friday 2/23: Exam Days Monday 2/26 – Saturday 3/3: Spring Break Week Monday 3/5 – First day of second ½ semester module Friday 4/20: Last day of classes Monday 4/23 – Friday 4/27: Exam Days

## WSU General Education

For students entering the WSU PharmD program in fall 2017 or earlier, general education requirements must be completed by the start of the P2 year. These requirements include courses in Critical Thinking (CT), Intermediate Composition (IC), Historical Studies (HS), Foreign Culture (FC), Philosophy and Letters (PL), Visual and Performing Arts (VP), American Society & Institutions (AI), and Social Sciences (SS). Students with a bachelor's degree are exempt from completing the requirements above. Those who qualify under the MACRAO or Michigan Transfer Agreement (MTA) policy (see <http://www.transfercredit.wayne.edu>) are exempt from all except Intermediate Composition (IC). All other general education requirements are satisfied by the prerequisites students completed before the start of the PharmD program.

## Changes in Doctor of Pharmacy Curriculum

Courses in the PharmD program **may** change with developing practices or changes in accreditation standards. This may affect program prerequisites and/or professional program courses.

***Note:** Students who are delayed in their progress through the program may be required to fulfill changed curriculum requirements.*

### Transition Plan

The Doctor of Pharmacy (Pharm.D.) program is currently engaged in a process of major curricular

*Eugene Applebaum College of Pharmacy and Health Sciences  
Doctor of Pharmacy (Pharm.D.) Program  
Pharmacy Transition/Remediation Plan  
Approved by Pharmacy Faculty: Jan. 28, 2015*

change that is projected to be implemented for students entering the program in Fall 2016. This document is intended to describe the student progression policies that will be applicable during the transition to the renewed curriculum. The current PharmD progression standard states that students who do not earn a minimum grade of "C" in a required professional pharmacy course are not permitted to progress to subsequent courses for which that course is a prerequisite. The policies outlined in this document will be utilized for dealing with students who earn a grade of less than "C" in any required professional course during the transition period.

The policies outlined in this document **will affect only the Class of 2019** (*i.e.*, those students who enter the program in the Fall of 2015) or **any student who has been given a leave of absence under the current curriculum** (see below). This policy is **not applicable for any student in the program before the Fall 2015 semester** (except students on a leave of absence in the Fall of 2015 or later) or **any student who enters the program in the Fall of 2016 or thereafter**.

## Definitions

The following table may be useful for tracking the transition from the current to the renewed curriculum:

### Current Curriculum

The 4-year professional curriculum that exists in the Fall of 2015 and is outlined in Appendix I of this document.

Professional Year	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020**
P1	<b>Current*</b>	Renewed	Renewed	Renewed	Renewed
P2	Current	<b>Current</b>	Renewed	Renewed	Renewed
P3	Current	Current	<b>Current</b>	Renewed	Renewed
P4	Current	Current	Current	<b>Current</b>	Renewed

### Renewed Curriculum

The 4-year professional curriculum that exists in the Fall of 2016 and is outlined in Appendix II of this document.

*\*Bold refers to the class that is subject to the policies outlined in this document.*

*\*\* Note that it is possible that some current curriculum courses could be taught in the 2019/2020 academic year depending upon whether a student was given a leave of absence in prior years.*

### Transition Period

The time from 2015 in which 100% of the curriculum is the current curriculum to 2019 in which 100% of the curriculum is the renewed curriculum.

## Policies

1. University policy requires that all students who enter the program under one curriculum must be allowed to continue, to completion, within that curriculum. Thus, no student can be required to move to the renewed curriculum. Students who are given a leave of absence while under the current curriculum must complete their education under that curriculum.
2. Students in the current curriculum, whether on leave or not, may voluntarily transfer to the renewed curriculum. In such cases, any credits accrued under the current curriculum may be applied to the renewed curriculum, as determined on a case-by-case basis by the Curriculum Committee. Students may be required to take courses from previous professional years that are in the renewed curriculum but not found in the current curriculum (*i.e.*, a P2 student may be required to take some P1 courses). In addition, students should be aware that the current and renewed curriculums have different total credit hours and thus students moving to the renewed curriculum may have to take additional courses to meet the total credit hours.
3. During the transition period, all prerequisites **within a given professional year are waived** for students who receive a grade of less than C in a course. **Students must complete all professional courses within a given year before they are allowed to progress to the next professional year.** Students who fail to accomplish this will be dismissed from the program.
4. Faculty in all courses must include a section in their syllabus indicating the course remediation policy.

### Remediation

The method that allows a student to repeat a course for which a grade of less than "C" has been earned.

5. The policies outlined here apply **only to students who do not pass a course** (*i.e.* receive a grade of less than C in any course). Faculty have the right to deal with poorly performing students, while they are within their course (*i.e.*, prior to assignment of the final grade) provided the rules listed below are followed:
  - a) According to University policy, Faculty may only give an "I" grade when "s/he has not completed all of the course work as planned for the term and when there is, in the judgment of the instructor, a reasonable probability that the student will complete the course successfully without again attending regular class sessions". The "I" grade should not be given to a student who has completed all coursework as outlined in the syllabus, but received a failing grade for that work.
  - b) Faculty who give additional work (extra credit, exams, etc.) to a student for the purposes of raising a grade cannot indicate that failing the additional work could result in dismissal from the program. If a student fails the additional work, they must be allowed to take a remediation approach outlined in this document.
6. All students who fail a given course or are on a leave of absence must be reported to the Committee on Academic and Professional Progress (CAPP) by the course instructor. CAPP will be responsible for overseeing all students undergoing remediation or reinsertion into the curriculum during the transition period.
7. Faculty members may utilize a renewed course in the renewed curriculum for remediation purposes provided that: a) the course has been deemed equivalent by the Curriculum Committee and b) doing so will not prevent the student from continuing in the current curriculum. Faculty may elect to give additional coursework to students undergoing remediation if it is felt that the renewed course is missing a vital component of the current course.
8. During the transition period, the following provisions outline the acceptable options available for remediation of a student's performance in a failed course:
  - a) Offer a self-study (individual) course. In this format, students are provided with all of the available information in the course (*e.g.*, assigned readings, handouts, and slides) and are required, with limited involvement of the instructor(s) of the course, to review and learn the material on their own. This option should be chosen if the instructor does not plan to lecture the students. These classes must follow the University policy which states that one credit hour of a self-study course must have 45 hours of work (3 hours per week for a 15 week semester) per semester.
  - b) Conduct a traditional, didactic-style course, with similar structure to the original course offering. This option should be chosen for any course that will provide the exact number of contact hours listed in the University policy.
  - c) Place the student into a renewed course in the curriculum (see number 7 above).

**All remediation courses are formal courses which require the student to register for the class and pay tuition.** These classes must follow the University credit hour policy as listed above. Given the timeframe and the fact that there is no formal semester in which students can register, formal remediation cannot be done during the Holiday break between the Fall and Winter

semesters. For options a) and b), students must receive a letter outlining the remediation available to them and are required to complete the remediation form shown in Appendix II.

The nature of the remediation given in each course is up to the discretion of the instructor of the course the student failed provided they follow the requirements below. Each remediation course must have a syllabus which outlines specific learning objectives and expectations of the student, due dates for assignments, assessment schedule, and grading policy. An example of such a syllabus can be found in Appendix IV. For remediation courses, the following is required:

- i) Recitation sessions or individual meetings between the student and instructors will be part of the course;
  - ii) For courses over 1 credit hour, multiple assessments will be offered;
  - iii) For laboratory- or practice-based courses, students must be given access to the laboratory or other resources to practice their skills and address their deficiencies.
9. **All remediation classes (with the exception of courses in the renewed curriculum) will occur in the Spring/Summer semester** in order to prevent interference with Winter Courses. Students who fail the remediation course will be dismissed from the program.

## Elective Classes

Elective classes are required to fulfill the requirements of the PharmD curriculum. The elective policy can be found at: <http://cphs.wayne.edu/pharmd/curriculum-electives.php>.

The pharmacy curriculum offers students the opportunities to complete 6 credits of elective coursework and 8 credits of elective experiences. Students who have completed the Fall semester of the P2 year are eligible to register for elective. The faculty have developed a number of elective courses that are designed to enrich the educational experience and allow students to take courses suitable for their individual career goals or obtain research experience.

## Directed Study

Directed study is an academic class in which students obtain research or other experience working with a faculty member. These are typically specific projects involving small numbers of students (typically no more than three students) working with each faculty member. Directed study fulfills elective credit in the PharmD program. You must meet with the faculty member before registering for the directed study. Students are permitted to enroll in one 2-hour directed study experience unless an exception is requested in writing to the appropriate department chair.

## Student Pharmacist Fees

### **PharmD students must pay fees for the following requirements during the program:**

- State of Michigan Pharmacist Educational Limited License (required)
- Immunization certification (required)
- Pharmacy Curriculum Outcomes Assessment (PCOA) tool (required)
- Medication Therapy Management (MTM) certification (required)
- Other fees as required throughout the program

# Experiential Education

## **Pharmacy Practice Experiences**

Pharmacy practice experiences give the student an opportunity to apply his/her pharmaceutical education directly to patients in many pharmacy settings (community, ambulatory and institution locations). These experiences begin in the P1 year and continue throughout the curriculum. The P4 year consists entirely of practical experiences.

## **Requirements for Pharmacy Practice Experiences**

Pharmacy students are required to meet the following criteria within three weeks of the fall semester for which they are admitted:

- A completed Health Clearance Form signed by a physician/other health care provider
- Proof of Health Insurance
- Negative tuberculin skin test with **Purified Protein Derivative** (PPD). In the case of a positive PPD test or a known contraindication to the PPD test, documentation of a negative chest X-ray for tuberculosis must be provided. (repeated annually)
- **Measles Immunity** – Documented administration of two doses of live measles virus vaccine (MMR) or serologic laboratory evidence of immunity
- **Rubella Immunity** – Documented administration of one dose live rubella virus vaccine (MMR) or serologic laboratory evidence of immunity
- **Varicella Immunity** – Documented administration of two doses live varicella virus vaccine or serologic laboratory evidence of immunity
- **Mumps Immunity** – Documented administration of one dose of live mumps virus vaccine (MMR) or serologic evidence of immunity
- It is recommended, but not required that students obtain the **Hepatitis B Vaccine**. All students refusing this vaccine must sign a waiver form
- It is required that student pharmacists be vaccinated annually for seasonal flu every fall. You are to carry visible proof of vaccination. Without visible proof, you will be required to wear an appropriate mask while providing direct patient care
- Proof of Pharmacists Educational Limited (Intern) Licensure
- Proof of Individual Pharmacists Professional Liability Insurance with coverage for \$1,000,000 per occurrence and \$3,000,000 aggregate (renewed annually)
- Proof of completion of a Basic Cardiac Life Support course. Recertification when required
- Proof of knowledge Health Insurance Portability and Accountability Act Of 1996 (HIPAA)
- Proof of Bloodborne Pathogen Training
- Signed WSU Travel Release
- Criminal background checks
- Canadian Students – Registration with the Ontario College of Pharmacy as “Pharmacy Students” is required if you plan to do pharmacy rotations in Ontario. (Visit [www.ocpinfo.com/](http://www.ocpinfo.com/) for more information).



## Computer Requirements

For the start of the Doctor of Pharmacy curriculum, students should be equipped with computer laptops that meet specifications of recommended hardware at: <https://computing.wayne.edu/software-hardware/recommended.php> In addition to the above hardware suggestions, we recommend that purchased PC and Mac laptops have an Ethernet port or purchase an Ethernet adapter if an Ethernet port does not exist. We do not recommend iPads or ultraportable tablets, as they are not compatible with current or planned electronic testing systems. Students are also required to have their own privacy screen protector that can be utilized for ALL online examinations starting in the P1 fall semester for examination security.

## Progression Guidelines

Information on the course prerequisites for progression through the Pharm.D. curriculum can be found online at <http://www.cphs.wayne.edu/pharmd/resources.php>.

## International Students

International students can verify any immigration questions and those concerning employment by contacting Office of International Students and Scholars (OISS) at:

416 Welcome Center  
(313) 577-3422  
[oissmail@wayne.edu](mailto:oissmail@wayne.edu)  
<http://www.oiss.wayne.edu/>

***Note:** It is the responsibility of the student to ensure that they have obtained the appropriate documents to allow them to study in the United States.*

### **Optional Practical Training (OPT)**

Optional Practical Training for F-1 Visa pharmacy students is permission from INS to work in the USA for *12 months full time* (greater than 20 hours a week) following the first year of school. . Students need to contact the Office of International Students and Scholars for information on application procedures. Forms needing college approval can be submitted to the Office of Student Affairs (Room 1600). It takes up to *four months from the time the application is submitted before you receive approval*. Students who plan to work less than 20 hours per week apply for *part time* status that is valid for 24 months. This designation is for students who plan to work in the USA for internship hours.

## Licensure Information

Licensure to practice as a pharmacist in the state of Michigan is granted by the Michigan Board of Pharmacy. In addition to the academic qualifications, candidates for licensure must have completed 1600 hours of internship and successfully passed both the NAPLEX exam and the Multistate Pharmacy Jurisprudence Examination. The experience obtained by students during the Doctor of Pharmacy program at Wayne State University satisfies the entire 1600 internship hour requirement.

## **Michigan Board of Pharmacy**

Michigan Internship license applications for pharmacy students are distributed before or at the Orientation to the program. Pharmacy students must be licensed as interns to enter the program. Students submit their application with appropriate fees before Pharmacy Orientation. The Dean signs the College of Pharmacy Affidavit and sends it in to the state after the first week of classes. You can find the license and instruction information at:

[http://www.michigan.gov/lara/0,4601,7-154-35299\\_63294\\_27529\\_27548---,00.html](http://www.michigan.gov/lara/0,4601,7-154-35299_63294_27529_27548---,00.html)

*Note: Students may not be registered as Interns prior to beginning their pharmacy education in the fall semester of the P1 year.*

Internship hours for pharmacy students (1600 hours) is one of the requirements of the Michigan Board of Pharmacy and North American Pharmacist Licensure Examination (NAPLEX see section in 4.11.2). WSU academic courses fulfill the entire 1600 hours required. Students may seek employment or volunteer hours in a pharmacy with a licensed preceptor. These employment/volunteer hours are reported to the Michigan Board of Pharmacy by the preceptor every December 31 for the previous calendar year.

## **North American Pharmacist Licensure Examination (NAPLEX™)**

The NAPLEX™ (North American Pharmacist Licensure Examination) is developed by the National Association of Boards of Pharmacy (NABP) for use by the state boards of pharmacy as part of their assessment of competence to practice pharmacy. This computer-adaptive test provides the most precise measurement of the student's knowledge and ability in pharmacy. By using the NAPLEX™, the state boards provide a valid and objective examination that tests the competence in important aspects of the practice of pharmacy. The NAPLEX™ also assists the state boards of pharmacy in fulfilling one aspect of their responsibility to safeguard the public health and welfare. For more information, go to: <http://www.nabp.net/>

## **Multistate Pharmacy Jurisprudence Examination®**

The computer-based Multistate Pharmacy Jurisprudence Examination® (MPJE) combines federal and state-specific law questions to serve as the state law examination in participating jurisdictions. The MPJE is based on a national blueprint of pharmacy jurisprudence competencies; however, the questions are tailored to the specific law in each state.

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## GRADUATION CEREMONIES

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**Convocation** is a private ceremony usually held during the first week in May for pharmacy graduates. It is planned by the graduating class with assistance from faculty on the Honors and Awards Committee. Graduates are also encouraged to attend WSU Graduation which is typically held within a few days of convocation to honor students graduating from Wayne State University.

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## **PROFESSIONAL ORGANIZATIONS PHARMACY STUDENT ORGANIZATIONS**

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### **ACADEMY OF STUDENTS OF PHARMACY (ASP)**

The mission of the American Pharmacists Association/Academy of Students of Pharmacy (APhA-ASP) is to be the collective voice of student pharmacists, to provide opportunities for professional growth and to envision and actively promote the future of pharmacy. ASP – WSU chapter publishes the PharmaScope regularly throughout the school year. Assistant Professor Brittany Stewart is the faculty advisor. The chapter co-advisors are Assistant Professors Joseph Fava and Bianca Korkis, and Associate Professor Randy Commissaris. For more information, go to:

<https://www.facebook.com/Wayne-State-University-AphA-ASP-Chapter-313001692139540/?fref=ts>

### **ARAB AMERICAN PHARMACISTS ASSOCIATION (AAPA), STUDENT CHAPTER**

The Arab American Pharmacists Association (AAPA) strives to advance and support Arab American Pharmacists in serving society as the profession responsible for the appropriate use of medications and services to enhance optimal patient care and public health. The AAPA is the leading voice of Arab Pharmacist through advocacy, education, and information dissemination. The faculty advisor is Professor Linda Jaber. For more information, go to: <http://www.theaapa.org/>

### **CHRISTIAN PHARMACISTS FELLOWSHIP INTERNATIONAL (CPFI)**

Christian Pharmacists Fellowship International (CPFI) is a worldwide ministry of individuals working in all areas of pharmaceutical service and practice. The organization's mission is to serve Christ and the world through pharmacy. Its core values are to provide fellowship among like-minded professionals, challenge and promote spiritual growth, encourage the advancement of knowledge and ethics in the practice of pharmacy, encourage evangelism and the integration of faith into practice, and provide support and opportunity for service in both home and foreign missions. The faculty advisor is Dr. Hanley Abramson. For more information, go to: <http://www.cphi.org/>

### **FIGHTING AIDS WITH NUTRITION (FAWN)**

FAWN: Fighting AIDS With Nutrition, strives to help victims of the AIDS and HIV virus to battle the disease using liquid nutrition as a powerful weapon. FAWN partners with local churches near Johannesburg, South Africa and Sephare Village, Botswana to provide thousands of AIDS victims with the life giving nutrition that is so critically needed for their survival. It is FAWN's mission to enhance the quality and quantity of life among AIDS patients in Sub-Saharan Africa. The faculty advisor is Associate Professor Randy Commissaris. For more information, go to: <http://fightingaids.org/>

### **KAPPA PSI (KY) PHARMACEUTICAL FRATERNITY, INC.**

KY is the world's oldest and largest pharmacy fraternity. There are currently 70 collegiate and 43 graduate chapters in the U.S. and Canada. Associate Dean Brian Crabtree is the faculty advisor. For more information, go to: <http://www.kappapsi.org/>

### **LAMBDA KAPPA SIGMA (ΛΚΣ) INTERNATIONAL PROFESSIONAL PHARMACY FRATERNITY**

The mission of Lambda Kappa Sigma is to promote the profession of pharmacy among women and advance women within the profession by developing its members as individuals and leaders through the support of fellow members while encouraging a high standard of professional ethics and

scholarship. The faculty advisor is Associate Professor Mary Beth O'Connell. For more information, go to: <http://www.lks.org/>

### **Pharmacy Alliance for Community Engagement (PACE)**

PACE aims at providing students with the opportunity to engage with the underserved community in Metro Detroit and abroad through volunteer activities and community outreach. This is achieved through the collaboration of the Diabetes Education Wellness (DEW) Clinic, the Community Homeless Interprofessional Program (CHIP) Clinic, and the World Health Student Organization (WHSO).

### **PHI LAMBDA SIGMA: THE NATIONAL PHARMACY LEADERSHIP SOCIETY (PLS)**

Phi Lambda Sigma (PLS) has a mission to support pharmacy leadership commitment by recognizing leaders and fostering leadership development. Professor Doug Miller and Associate Professor Francine Salinitri are the co-faculty advisors. For more information, go to: <http://www.philambdasigma.org/>

### **THE RHO CHI HONOR SOCIETY**

The Rho Chi Honor Society encourages and recognizes excellence in intellectual achievement and advocates critical inquiry in all aspects of pharmacy. The Society further encourages high standards of conduct and character and fosters fellowship among its members. The Society seeks universal recognition of its members as lifelong intellectual leaders in pharmacy and as a community of scholars, to instill the desire to pursue intellectual excellence and critical inquiry to advance the profession. Not more than 20% of each class is eligible for this honor. The faculty advisor of the Alpha Chi Chapter of Rho Chi is Interim Chair Lynette Moser. For more information, go to: <http://rhochi.org/>

### **STUDENT COLLEGE OF CLINICAL PHARMACY (SCCP)**

The mission of SCCP is to familiarize students with the field of clinical pharmacy by providing information about careers and opportunities within the field of clinical pharmacy; promoting dedication to excellence in patient care, research, and education; and encouraging the professional development necessary to function within an interdisciplinary team. SCCP also advocates for the role of clinical pharmacists in providing direct patient care, including evaluation of the patient and his or her pharmacotherapeutic needs; initiation, modification, or discontinuation of patient-specific pharmacotherapy; and ongoing pharmacotherapeutic monitoring and follow-up. The faculty advisor is Assistant Professor Melissa Lipari. For more information, go to: <http://www.accp.com/stunet/index.aspx>

### **STUDENT NATIONAL PHARMACISTS ASSOCIATION (SNPhA)**

SNPhA is an educational service association of pharmacy students who are concerned about pharmacy and healthcare related issues, and the poor minority representation in pharmacy and other health-related professions. The purpose of SNPhA is to plan, organize, coordinate and execute programs geared toward the improvement for the health, educational, and social environment of the community. The faculty advisor is Professor Dennis Parker. For more information, go to: <http://www.snpha.org>

### **Student Pharmacists Diversity Council (SPDC)**

SPDC promotes diversity and social awareness on the pathway to becoming more culturally competent healthcare providers.

## Student Society of Health-System Pharmacists (WSU-SSHP)

The mission of WSU-SSHP is to make students aware of pharmacy practice in health-systems; provide information to students about career opportunities and credentials needed for pharmacy practice in health-systems; and encourage membership and participation in the Michigan Society of Health-System Pharmacists (MSHP) and the American Society of Health-system Pharmacists (ASHP) as a student and upon graduation. The faculty advisor is Drs. Francine Salinitri and Amber Lanae Martirosov. For more information, visit <http://ashp.org/>.

## Class Officers

Each class elects a president, vice president student affairs, vice-president external affairs, secretary and treasurer. A faculty member is assigned as advisor for each class and can assist with the election of the class officers. The class officers act as a liaison to the faculty regarding issues that may arise with respect to class schedules, exams, etc. Each class is encouraged to organize social and professional activities to enhance the college experience. The class may engage in fundraising activities in order to support events such as convocation.

Year	Faculty Member	Faculty Phone	Student
Doctor of Pharmacy 2018	Dr. Randy Commissaris	577-0813	Nour Ghamrawi
Doctor of Pharmacy 2019	Dr. Pramodini Kale	577-0824	Ali Khalil
Doctor of Pharmacy 2020	Dr. David Pitts	577-0819	Fadie Saad
Doctor of Pharmacy 2021	Dr. Victoria Tutag Lehr	991-7743	Daniel Varghese

## Listing of Pharmacy Related Organizations

### COUNTY PHARMACY ASSOCIATIONS

MCPA (Macomb County Pharmacists Association)  
OCPA (Oakland County Pharmacists Association)  
WCPA (Wayne County Pharmacists Association)  
ECPA (Essex County Pharmacists Association)

<http://www.michiganpharmacists.org/locals>

### REGIONAL PHARMACY ASSOCIATIONS

SMSHP (Southeastern Michigan Society of Health-System Pharmacists)

<https://smshp.org/>

### STATE PHARMACY ASSOCIATIONS

MPA (Michigan Pharmacists Association)  
MSHP (Michigan Society of Health-System Pharmacists)

<http://www.michiganpharmacists.org/>

<http://www.michiganpharmacists.org/ppmi>

### NATIONAL PHARMACY ORGANIZATIONS

APhA American Pharmaceutical Association  
AACP American Association of Colleges of Pharmacy  
\*American College of Clinical Pharmacy (ACCP)

<http://www.aphanet.org>

<http://www.aacp.org>

<http://www.accp.org>



Academy of Managed Care Pharmacy (AMCP)	<a href="http://www.amcp.org">http://www.amcp.org</a>
American Society of Health-System Pharmacists (ASHP)	<a href="http://www.ashp.org">http://www.ashp.org</a>
American Association of Pharmaceutical Scientists (AAPS)	<a href="http://www.aaps.org">http://www.aaps.org</a>
American College of Apothecaries (ACA)	<a href="http://www.americancollegeofapothecaries.com/">http://www.americancollegeofapothecaries.com/</a>
American Society of Consultant Pharmacists (ASCP)	<a href="http://www.ascp.com">http://www.ascp.com</a>
Canadian Pharmacists Association (CPA)	<a href="http://www.pharmacists.ca">http://www.pharmacists.ca</a>
Drug Information Association (DIA)	<a href="http://www.diahome.org">http://www.diahome.org</a>
National Association of Boards of Pharmacy (NABP)	<a href="http://www.nabp.org">http://www.nabp.org</a>
National Association of Chain Drug Stores (NACDS)	<a href="http://www.nacds.org">http://www.nacds.org</a>
NCPA (National Community Pharmacists Association)	<a href="http://www.ncpanet.org">http://www.ncpanet.org</a>
Pharmaceutical Research and Manufacturers of America (PhRMA)	<a href="http://www.phrma.org">http://www.phrma.org</a>
U.S. Pharmacopoeia Convention (USP)	<a href="http://www.usp.org">http://www.usp.org</a>

\*Please note that this organization has a similar name and website to the American College of Clinical Pharmacology (also known as ACCP).

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# STUDENT ACCOUNTABILITY AND PROFESSIONAL BEHAVIOR

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## WSU Student Code of Conduct

The student code of conduct is intended to promote campus civility and academic integrity and provides a framework for the imposition of discipline in the university setting. The code gives general notice of prohibited conduct for all WSU students including pharmacy students and the sanctions to be imposed if such conduct occurs. For more information, go to:

<https://doso.wayne.edu/conduct/codeofconduct.pdf>

## Pharmacy Honor Code

The pharmacy honor code is an important document for pharmacy students that describes expectations for student conduct with respect to academic honesty and integrity, professional conduct, classroom behavior and dress code, and substance abuse. Students are asked to read and sign this document during orientation prior to beginning the P1 year of the program. For more information, go to: <https://doso.wayne.edu/conduct/student>

## Technical Standards

Technical standards are “those physical, cognitive and behavioral skills, beyond academic requirements, that graduates must possess in order to effectively practice as pharmacists”. The Wayne State University Doctor of Pharmacy program acknowledges the Americans with Disabilities Act (Public Law 101-336), and ascertains that graduates from the program must possess certain minimum technical capabilities. Students with disabilities will be held to the same fundamental standards as their peers. Reasonable accommodation will be provided to assist in learning, performing and satisfying the fundamental standards, consistent with university policy. Technological accommodations will be made for some handicaps where possible.

In addition to meeting the technical standards, students are expected to adhere to requirements regarding attendance and disclosures which may include drug testing and criminal background checks in order to be able to participate in practice experiences in health care institutions. For more information, go to: <http://www.cphs.wayne.edu/pharmd/resources.php>

## Academic Regulations

Academic regulations (See Appendix 1) are a set of policies and procedures that govern the academic progress of the pharmacy student. Each student’s progress in the program is reviewed following each semester by the Committee on Academic and Professional Progress (CAPP). This committee has members from the departments of Pharmacy Practice and Pharmaceutical Sciences. Appendix 1 outlines procedures that students may take to appeal grades or to have decisions by CAPP reviewed.

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## SCHOLARSHIPS AND LOANS

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### **WSU Office of Student Financial Aid (OSFA)**

This WSU office administers loans, scholarships and federal agency money. The OSFA liaison for the college is located in the college one day per week – the day and time will be announced. Use the Internet to print the Federal Financial Aid Student Application (FAFSA). File the FAFSA electronically using the Internet Web site. For more information, go to: <http://www.fafsa.ed.gov>

### **Pharmacy Scholarships and Loans**

Pharmacy Scholarship applications are available at the beginning of the winter semester for the following fall enrollment. Students in P-1, P-2, P-3 and P-4 classes who are in good academic standing are eligible to apply regardless of citizenship. Information on scholarships can be obtained from the Chair of the Honors and Awards Committee.

A short-term Emergency Loan may be available to students through the EACPHS Office of Student Affairs. Dr. Mary Clark is the college administrator for short-term emergency loans. 313-577-1716

**Note:** For a complete listing of current Pharmacy Scholarships, see Appendix 2.

### **Ontario Student Aid Program (OSAP)**

OSAP forms are processed in the Office of Student Affairs (1600 EACPHS).

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## **APPENDICES**

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## **Appendix 1: Academic Regulations – Doctor of Pharmacy Program**

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**Approved by Faculty of Pharmacy August 27, 2015**

### ACADEMIC REGULATIONS, FACULTY OF PHARMACY

For complete information regarding academic rules and regulations of the University, students should consult University Academic Offices, Services, and Regulations. The following additions and amendments pertain to pharmacy students.

For purposes of these academic rules and regulations, for the Faculty of Pharmacy, the following definitions apply:

1. Professional course means any course required in the PharmD curriculum and any course approved for professional elective credit and elected by the student for that purpose.
2. Satisfactory grade means a grade of 'C' or above, or a grade of 'S.'
3. Unsatisfactory grade means a grade of 'C-minus' or below 2.0 grade points, or a mark of 'X' or unauthorized 'W.' Marks of 'X' or marks of 'W' which have not been authorized will be treated as an 'E.'
4. Probation means a restricted status in the program (see below).
5. Dismissal from the program means that the student may no longer register in the program, or elect professional course work in the Doctor of Pharmacy program.

### ACADEMIC AND PROFESSIONAL PROGRESS

The Faculty of Pharmacy expects its students to develop professional competence and to satisfy the same high standards of exemplary character, appearance, and ethical conduct expected of professional pharmacists.

To merit confidence and esteem, both personally and in the health care professions, appropriate dress and demeanor are expected of each student in the academic and professional program in pharmacy.

The Committee on Academic and Professional Progress (CAPP) reviews student performance regularly and makes decisions concerning probationary status. A student may be dismissed from the College for unsatisfactory academic performance in accordance with policies outlined in this document.

### OUTSIDE EMPLOYMENT

The professional curriculum has been arranged with the presumption that the student will devote full time and energy to the program. Pharmacy internship and other pharmaceutical employment is recognized as a component of the academic and professional growth of the pharmacy student. The student, however, is responsible for maintaining the appropriate balance between such activity and satisfactory achievement in the classroom.

#### ATTENDANCE

Regularity in attendance and performance is necessary for success in college work. At the beginning of each course the instructor will announce the specific attendance required of students as part of the successful completion of the course.

#### COURSE ELECTIONS POLICY

The program must be elected on a full-time basis, following the curriculum as outlined in this bulletin, unless specifically directed otherwise by the Committee on Academic and Professional Progress, and/or the Faculty.

No course may be elected unless a satisfactory grade has been earned in each of the course prerequisites.

Registration to audit a course, or for courses elected on a Passed-Not Passed basis, is permitted only for elective credits in excess of the minimum degree requirements, or by guest or post-degree students.

#### LEAVES OF ABSENCE

A leave of absence (LOA) may, and should, be requested by a student when personal circumstances interfere with the student's ability to devote sufficient time to academic pursuits to assure reasonable expectations of success. A leave of absence is requested from and granted by the Dean or designee in consultation with the CAPP. If a student requests and is granted an immediate leave of absence during a term, the student must withdraw from all courses enrolled in for that term with the exception of advanced pharmacy practice experiences (APPE). Withdrawal from advanced pharmacy practice experiences must be done for each rotation period for the duration of the LOA.

A leave of absence must be requested no later than the end of the tenth week of the term, or in the case of courses not offered over a traditional semester, prior to completion of seventy-five per cent of the course. In the case of advanced pharmacy practice experiences (APPE) a request for a LOA must be made by the end of the fourth week. Exceptions to these time parameters for requesting a LOA will be made for personal medical emergencies.

#### TIME LIMITATIONS

The program must be completed within six calendar years of admission. Extensions are appropriate in circumstances such as a delay required to repeat a course preceding or following an authorized leave of absence or an authorized leave of absence that extends beyond one year.

#### MINIMUM GRADE REQUIREMENT



No professional course in which an unsatisfactory grade is earned will be counted for degree credit in this program unless repeated for a satisfactory grade. Students must maintain a minimum GPA above 2.0 to continue in the program.

#### APPEALS, GRADE

For information regarding **Final Course Grade Appeals**, please refer to the document found at this website <https://cphs.wayne.edu/students/resources.php> by selecting the GRADE APPEAL POLICY link.

#### ACADEMIC WARNING

Students will receive an academic warning letter copied to their faculty advisor for the following: **A professional program GPA of less than 2.75**. An academic warning will not result in any formalized restrictions. Students who receive an academic warning will be asked to meet regularly with their faculty advisor with the goal of assisting academic performance and monitoring progress to help insure academic success.

#### PROBATION

Students will be placed on academic probation for the following:

1. Any student who earns an unsatisfactory grade in a professional course until the course is satisfactorily repeated.
2. A professional program GPA of less than 2.50 at the end of the semester.
3. Students on probation may not receive University funding to travel to professional meetings. Students will no longer have probationary status when the following criteria are fulfilled:
  - a) The student successfully completes required remediation or repeats the course, or improves their GPA to more than 2.50;
  - b) The student completes 2 study skills workshops through the WSU Academic Success Center ([http://success.wayne.edu/workshop\\_list.php](http://success.wayne.edu/workshop_list.php)). The student must show documentation of attendance to their faculty advisor and the CAPP chair.

#### DISMISSAL FROM THE PROGRAM

A student will be dismissed from the program for the following reasons:

1. Failing to earn a satisfactory grade when repeating a professional course.
2. The need to repeat more than 3 professional courses in the program.
3. A professional GPA of below 2.0 at the end of any semester.
4. Inability to complete the program within the time limitations outlined above.

#### STUDENT CODE OF CONDUCT

Every student is subject to all regulations set forth by the University, the College, and the Faculty of Pharmacy, governing student activities, student behavior, and in use of their facilities. The University, College, and Faculty have the responsibility of making these regulations available and it is the student's responsibility to become thoroughly familiar with all regulations and to seek any necessary clarification. Questions and concerns regarding regulations should be brought to the appropriate faculty member and/or the Dean's office.

There are obligations inherent in registration as a student in the College. Students entering the profession of pharmacy are expected to have the highest standards of personal conduct so as to be

a credit to themselves, the College, the University, and the profession. When there are reasonable grounds to believe a student has acted in a manner contrary to ethical standards, the law, or mores of the community, such student may be disciplined. This discipline may include suspension or dismissal from the program after due process in accord with published policies.

#### ACADEMIC MISBEHAVIOR

In any instance of academic misbehavior occurring in any course offered by the Eugene Applebaum College of Pharmacy and Health Sciences, as defined in section 4 of the University Due Process Statute (<https://doso.wayne.edu/conduct/student>) the procedures outlined at:

[https://doso.wayne.edu/conduct/academic\\_flowchart.pdf](https://doso.wayne.edu/conduct/academic_flowchart.pdf) will be followed. The University Student Conduct Officer will be contacted in all cases of academic misbehavior and one of the following 2 options will be followed:

1. The provisions of Section 10.1 of the Statute (<https://doso.wayne.edu/conduct/student>) will be followed, or
2. Charges will be filed through the Student Conduct Officer as provided in Section 10.2 of the Statute.

The University Ombuds Office is available to assist those involved in Student Code of Conduct cases by acting as an information source and helping to gain access to University personnel. An appointment with the Ombudsperson can be made by calling (313) 577-3487, or by sending an email to [ombudsoffice@wayne.edu](mailto:ombudsoffice@wayne.edu)

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## **APPENDIX 2: LIST OF PHARMACY SCHOLARSHIPS AND AWARDS**

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### **Private Scholarships for Student Pharmacists (P1-P3)**

1. Hanley N. and Young Hee Abramson Endowed Scholarship in Pharmacy
2. Arab American Pharmacists Association Scholarship
3. Sydney Barthwell Endowed Scholarship for Pharmacy
4. Alfred Berkowitz Pharmacy Scholarship
5. CVS/pharmacy Scholarship
6. Paul C. (Alumnus) and Nettie Deutch Pharmacy Scholarship
7. Nettie and Paul C. Deutch Education Resource Endowed Pharmacy Scholarship
8. Bernard Thomas Downs Pharmacy Scholarship
9. Rachel M. Duffy Memorial Endowed Scholarship
10. Melvin F.W. Dunker Endowed Scholarship
11. David Edwards Pharmacy Scholarship
12. Harry and Belle Elkiss Scholarship in Pharmacy
13. Faculty of Pharmacy Endowed Scholarship
14. John Helfman Pharmacy Scholarship
15. Linda Jaber Pharmacy Scholarship
16. Joseph S. Katz Memorial Endowed Scholarship
17. Kmart Pharmacy Endowed Scholarship for Excellence in Community Pharmacy
18. Lambda Kappa Sigma Pharmacy Scholarship
19. Meijer Endowed Pharmacy Scholarship
20. Michigan Pharmacy Foundation Scholarship
21. Paul Munzenberger Endowed Pharmacy Scholarship
22. National Association of Chain Drug Stores Pharmacy Scholarship
23. Pharmacists Mutual Pharmacy Scholarship
24. Robert Rembisz (Alumnus) Memorial Pharmacy Scholarship
25. Joseph & Linda Ringer Endowed Scholarship
26. Rite Aid Corporation Pharmacy Scholarships
27. Nate S. Shapero Endowed Scholarship
28. Geralynn and Alan Smith Pharmacy Scholarship
29. Southeastern Michigan Society of Health-System Pharmacists (SMSHP) Scholarship
30. Target Pharmacy Scholarship
31. Walgreens Diversity Scholarship
32. Wayne State University Pharmacy Alumni Association Endowed Scholarship

## **Awards for Graduating Student Pharmacists (P4)**

1. American Pharmacists Association - Academy of Student Pharmacists (APhA-ASP) Senior Recognition
2. CVS/pharmacy Award
3. Doctor of Pharmacy Award for Excellence in Clinical Communication
4. Doctor of Pharmacy Award for Excellence in Patient Care
5. Doctor of Pharmacy Award for Outstanding Professional and Community Service
6. Doctor of Pharmacy Outstanding Achievement Award
7. Doctor of Pharmacy Service to Classmates Award
8. Doctor of Pharmacy Valedictorian Award
9. Melvin F. Dunker Award
10. Faculty of Pharmacy Award for Achievement in Scholarship, Original Research and Professional Activities
11. Kappa Psi Pharmaceutical Fraternity Award
12. Lambda Kappa Sigma Ethel J. Heath Scholarship Key
13. Lambda Kappa Sigma Recognition Key
14. Michigan Pharmacists Association (MPA) Dean's Professionalism Award
15. Phil Lambda Sigma Dean's Leadership Award