

# University of Michigan

2/7/24

Start time: 6:12 PM

End time: 7:10 PM

## About Michigan

- Michigan is surrounded by immense, freshwater lakes
- State is in shape of mitten, close to Ohio and Canada

## PharmD program (University of Michigan College of Pharmacy)

- 545 students (332 PharmD, 110 PhD/BS, 103 BS)
- Large research-based campus with smaller class size (= 85 students)
- 4:1 student/faculty ratio
  - More like one-to-one (faculty knows students on first name basis)
  - At least one faculty is working in each sector of pharmacy
    - Already have preceptors that students can connect to
- Support for struggling students
  - If struggling on first quiz of first semester (below mean): you will be able to talk to faculty to come up with strategies to improve
- **Student profile**
  - 62% = MI residents
    - Attract students from all across country
    - 5% = CA residents
  - 80% hold 4 year degrees (BS is NOT required, just have to finish pre-reqs)
    - Most students are unclear of future ⇒ better to have BS than just PharmD
  - 67% = women
    - College represents actual national average workforce
  - 12% = underrepresented minority students
  - 9% = international students
- **Experiential education**
  - Provides experiences for students
  - 2<sup>nd</sup> year: start IPPEs (classes on Mon, Wed, Fri; work on Tue OR Thur)
    - 1<sup>st</sup> semester: work in community pharmacy (on Tue OR Thur) + learn about curriculum
      - Can work, rest, study for other free day of the week
    - 2<sup>nd</sup> semester: IPPE in ambulatory care setting

- 3<sup>rd</sup> year: IPPE in clinical setting
  - 1<sup>st</sup> semester: work in hospital + work with pharmacist
  - 2<sup>nd</sup> semester: work in direct clinical setting
    - Work with caseload of patients
    - Engage with patients + families
- 4<sup>th</sup> year: APPE (no more classes)
  - 8 x 5 week rotations
  - Go to variety of places (over 600 preceptors in 200+ locations)
    - Additional sites in Puerto Rico, Alaska, Kenya

### 4-Year Program

- 3 years didactic, 1 year rotations
- **9 semesters** (do not require summer classes)
  - Classes begin from end of August to April (4 months off during summer)
    - During summer: most students travel, work, do internships, etc
  - Great for students who want to take breaks + engage in other things
- **Patient contact** begins in 1<sup>st</sup> year
  - Learn about patient interactions
  - Practice how to work with patients with a lot of support
- **PharmD Investigations Research projects** = important component of curriculum
  - Multi-year project
  - NOTE: don't need to have research experience for admissions
  - Students take research methodology class in 2<sup>nd</sup> year
    - Learn how to collect + analyze data
    - Learn how to present in verbal setting + poster session
    - In 4<sup>th</sup> year: present findings in seminar format to whole class
- Significant presence with **interprofessional education** opportunities
  - Interprofessional classes with medical, dentistry, nursing, public health, kinesiology, social work students
  - Students are taught in teams to prepare for healthcare future
- Mentoring with **pharmacy families** (started 18 years ago)
  - Little family unit made of P1, P2, P3, P4, & faculty member
    - Sometimes there's multiple of each
  - Do things together (like a real family)
    - Have nice conversations
    - Share with community (inform public on pharmacy topics)
    - Can ask for help on assignments
  - At end of year: say goodbye to P4 + welcome new P1

- P1 check-ins are done twice a year
  - Dean meets up with P1 students to check up on them
  - Will ask about family (if everyone is keeping in touch)

## **Student Leadership**

- 16 student organizations in variety of settings
  - Students learn about leadership skills in pharmacy
- Strong leadership positions within each student organization
  - Each year, ~70% of students are experiencing a leadership opportunity
- PharmD student community engagement
  - Last year (2022-23), there were 150 community service professional events

## **Rankings**

- #3 pharmacy school in country (US News and World Reports)
- #1 hospital in state of Michigan (Michigan Health Center)
  - Among top 20 hospitals in nation
  - All of students have work/internship settings

## **PharmD Student Admissions**

- Application deadline: March 1, 2024
- Requirements:
  - PharmCAS application
  - Official transcripts from ALL institutions attended
    - Includes courses taken at a community college
  - 2 letters of recommendation
- **Interviews**
  - Weekly starting in October through March
  - Very friendly + conversational
  - Can do in-person/virtual
  - In-person event (1 day)
    - Hour long presentation (learn about program)
    - Two 35 min interviews with faculty + student
    - Have lunch with other candidates + 5 pharmacy students
    - Will get to observe 1<sup>st</sup> year therapeutics class
    - Tour of Michigan Medicine
    - Will provide some travel reimbursement
  - Virtual
    - Hour long presentation (learn about program)

- Two 35 min interviews with faculty + student
  - Student panel at end
  - If accepted, will provide travel reimbursement to visit campus
- **Decisions**
  - Come out weekly until class is full
  - **2023 incoming class profile:**
    - 82 students (80% with Bachelors)
      - 146 admitted out of 331 students that applied (49%)
        - ~180 interviewed applicants
    - 3.6 mean overall GPA

### **U-M PharmD Prerequisites**

- Biology (3 quarters)
- Biochemistry (1 quarter)
- Calculus (1 quarter)
- General chemistry w/ lab (3 quarters)
- Organic chemistry w/ lab (3 quarters)
- English composition (1 quarter)
- Genetics (1 quarter)
  - Different from other pharmacy schools!
  - Introductory science-based genetics course
- Human anatomy (1 quarter)
  - Lab not required
- Human physiology (1 quarter)
  - Lab not required
- Microbiology with lab (1 quarter)
- Physics with lab (1 quarter)
- Statistics (1 quarters)
- Humanities or foreign language (3 quarters)
  - Take classes outside of sciences
  - Would rather you take a class that you're passionate about
- Social science (3 quarters)

### **Financial Aid**

- Over 50% of incoming class receives significant scholarship support
  - Based on merit, GPA, evidence of significant community engagement, health care experience, demonstrated leadership
- PhD candidates are fully funded (free tuition, receive a stipend)

- **Scholarships**
  - Pharmacy scholarship
    - Residents: \$4000 per year for first 3 years, \$6000 in 4th year
    - Non-residents: \$8000 per year for first 3 years, \$12,000 in 4th year
  - All continuing
    - Dean's merit-based scholarships awarded to students achieving 3.6-4.0 GPA for years 2, 3, 4 (\$500-\$4000)
  - Leaders scholars (selection process)

## PharmD Tuition and Fees

- **Non-Michigan students**
  - \$41,948 for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> year + \$332 fees = \$42,280 total
    - \$8000 alumni scholarship awarded to 40% of incoming class
  - \$61,925 tuition for 4<sup>th</sup> year + \$498 fee = \$62,423 total
    - 12,000 alumni scholarship awarded to 40% of incoming class
- **Much cheaper** compared to total costs of other pharmacy schools
  - UCSD = \$45,975
  - Keck = \$48,400
  - UCI = \$48,515
  - UCSF = \$50,646
  - Loma Linda = \$54,885
  - Western = \$55,686
  - Touro = \$67,920
  - USC = \$69,655
  - Pacific = \$84,518
  - Chapman = \$89,178

## PharmD Student Success

- **Career paths for class of 2023**
  - **61% = residency**
    - Common for clinical pharmacy (not required)
    - Michigan is well known for helping students get a residency
    - 98% of students that applied for residency got one
      - One of highest offer rates in country
  - **14% = industry fellowships**
    - Growing different career path
    - Previously only 7-8% of student body
    - Usually 2-year paid fellowship
    - More competitive than residency because there's not many
    - 100% of students who applied for industry fellowship got one
    - Don't require PharmD/PhD dual degree
  - **8% = community pharmacy**
    - Some students are focused on compounding pharmacy

- Some students want to work at family-owned pharmacies
  - Some want to work in upper leadership role at CVS, Walgreens, etc
- 8% = other employment
- 9% = unknown
- **Pass rates**
  - 92% on time graduation
  - 96% MPJE Law Exam Pass Rate
    - Compared to national average of 95%
  - 97% NAPLEX License Exam Pass Rate
    - Compared to national average of 95%

### Contact Info

- **Mark Nelson** (Assistant Dean for Student Services and Admissions)
  - (734) 764-7312
  - [mnelson@med.umich.edu](mailto:mnelson@med.umich.edu)
  - <https://pharmacy.umich.edu/>
- Happy to provide an application fee waiver if you want to apply!