Mayo School of Health Sciences

Hospital Pharmacy Internship

Rochester, Minnesota

www.mayo.edu
Hospital Pharmacy Internship

PROGRAM DESCRIPTION
Mayo School of Health Sciences (MSHS) at Mayo Clinic in Rochester, Minn., offers a salaried 12-week Hospital Pharmacy Internship Program. This comprehensive, educational pharmacy internship will provide in-depth exposure to inpatient pharmaceutical services to help you explore hospital pharmacy as a career.

Your experiences will include unit dosing, intravenous (IV) mixture dispensing and several mini-rotations to acquaint you with specialty practices within a hospital pharmacy.

ACCREDITATION
Mayo Foundation is accredited by the North Central Association of Colleges and Schools Higher Learning Commission.

Higher Learning Commission
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Chicago, IL 60602-2504
(800) 621-7440
(312) 263-0456
Fax: (312) 263-7462
www.ncacihe.org

FACILITIES
The Mayo Clinic campus in Rochester is comprised of an extensive outpatient complex, Saint Marys Hospital, Rochester Methodist Hospital, as well as multiple and research and education facilities. It is among the largest, most advanced medical centers in the world.
Mayo Clinic’s Pharmacy Services Department employs about 300 people, including approximately 130 pharmacists. The pharmacies operate 24 hours per day and provide pharmaceutical services, including:

- Central pharmacy distribution
- Computerized intravenous admixture and unit dose dispensing
- Investigational drug studies
- Decentralized pharmacist practice
- Pharmacokinetic monitoring
- Patient education programs
- Clinical pharmacy specialty practices
- Drug information programs
- In-service education
- Pharmacy, therapeutics and formulary committee support
- Physician newsletters

Mayo Clinic uses a computer-based pharmaceutical care (P-Care) monitoring system. P-Care integrates data from disparate computer systems, including pharmacy, admissions, laboratory and microbiology. Computerized algorithms utilize this data to alert pharmacists to potential situations where therapy, safety or costs can be improved. Performing daily pharmaceutical care duties, P-Care is used to:

- Provide patient demographic data, laboratory data, microbiology data, medications, parenteral nutrition information and drug levels while on team rounds, during order processing and during medication profile review.
- Identify patients whose medication therapy requires a pharmacist’s daily review.
- Identify and review treatments that are inconsistent with established medication rule-based algorithms.
- Document pharmacist-performed clinical activities, interventions and monitoring notes.
- Provide a forum for pharmacists, pharmacy residents and pharmacy students to communicate pertinent patient-specific, medication-related issues.
GRANTED
Minnesota Board of Pharmacy internship hours are provided.

HOURS
Your learning schedule will include eight-hour days, five days per week, including second shift (i.e. evening hours) and weekend coverage.

POSITIONS
Each year, Mayo School of Health Sciences admits up to eight students in its Hospital Pharmacy Internship Program at Mayo Clinic in Rochester. This ensures you will receive a comprehensive educational experience with extensive one-on-one instruction.

Curriculum
The Hospital Pharmacy Internship Program provides high-quality hospital experiences, including:

- Training in a unit dose or IV admixture dispensing area at either Saint Marys Hospital or Rochester Methodist Hospital.
- Assignment to your pharmacist preceptor to gain hands-on experience with reviewing doctors’ orders, entering orders and participating in pharmacists’ interventions.
- Mini-rotations of one to two days to acquaint you with specialty practices in hospital pharmacy. You may choose these rotations:
  - Cardiac surgery
  - Cardiology
  - Critical care
  - Drug information
  - Hematology/Oncology
  - Hospice
  - Neurology
  - Nutrition support
  - Organ transplantation
  - Patient education
  - Pediatrics
  - Psychiatry
DIDACTIC TRAINING

As a hospital pharmacy intern, you will attend lectures on topics listed in the Minnesota Board of Pharmacy Intern Competency Manual.

CURRICULUM ENHANCEMENTS

Mayo School of Health Sciences is committed to developing and maintaining the very best education programs. Changes may be made to the curriculum and other aspects of this program as necessary to assure the highest-quality training.

Faculty

Teaching Faculty

The Hospital Pharmacy Internship draws its faculty from the clinical, scientific and technical staff throughout Mayo Clinic. They are chosen for their commitment to teaching as well as clinical practice and/or research. Many have published and lectured extensively and are highly regarded in their field.

You will have access to these individuals throughout your training - with the opportunity to learn directly from some of today’s best practitioners in pharmacy.

VISITING PROFESSORS/LECTURERS

A hallmark of higher education excellence is the breadth and depth of information and experience provided interns by the students and visiting experts. Many prominent professors visit Mayo Clinic to lecture on their areas of medical and scientific expertise each year. As an intern of Mayo School of Health Sciences, you are encouraged to attend all conferences, lectures and seminars prepared for students, interns, residents, fellows and consulting staff.

Admissions

PREREQUISITES

To be eligible for Mayo Clinic’s Hospital Pharmacy Internship Program, you must have completed at least the first year in a Doctor of Pharmacy program at an accredited college of pharmacy. Also, you are to be registered with the Minnesota Board of Pharmacy as an intern.
POLICIES AND RESPONSIBILITIES

The following Mayo School of Health Sciences policies affect applications and admissions to its programs:

**English fluency**
Fluency in written and spoken English is essential to succeed in the program and to ensure patient safety. If English is a second language, you must be able to demonstrate fluency. Satisfactory performance on the Test of English as a Foreign Language examination or the Michigan Test of English Language Proficiency must be documented as proof of fluency. Your test results must be less than two years old.

**Immunization record**
For the protection of patients, interns and employees, and in compliance with state regulations, Mayo Clinic requires interns to be properly immunized. You must show proof of the following immunizations before you begin a program at Mayo School of Health Sciences:

- Tuberculin test in the past six months
- Varicella, rubella and rubeola immunity
- Up-to-date diphtheria and tetanus shots
- Hepatitis B vaccination or signed declaration

Documentation of vaccinations must be provided to Mayo Employee Health Service prior to the start of the internship.

**Health status**
Prospective interns will undergo a physical examination or nurse’s review at Mayo Clinic and will have the opportunity to update or receive the required tests and immunizations cited above. More information about the physical exam will be provided after you have been offered a program appointment. Appointment to the program depends upon successful completion of the physical examination.

**Medical insurance**
Interns must have medical insurance coverage during their program. Evidence of medical coverage must be provided when your educational program begins.

**Background check**
Prospective interns must pass a criminal background check and/or drug screening required by state laws, prior to enrollment to Mayo School of Health Sciences.

**Intern responsibilities**
Mayo School of Health Sciences interns are expected to attend all training experiences and assigned clinical rotations unless absence is approved.

Interns are required to exhibit professional and ethical conduct at all times.
Equal opportunity
Mayo School of Health Sciences upholds all federal and state laws that preclude discrimination on the basis of race, sex, age, religion, national origin, marital status, sexual orientation, disabilities or veteran’s status.

TECHNICAL STANDARDS
Mayo School of Health Sciences accepts interns who are highly qualified for its programs. To be considered for admittance you should exhibit strong qualifications for the pharmacy program you wish to pursue. Applicants to programs must possess the following general qualities:

- Critical thinking skills
- Sound judgment
- Emotional stability and maturity
- Empathy for others
- Physical and mental stamina
- Ability to learn and function in a variety of settings

You must be able to perform the essential functions of the profession and meet the standards of the program. Interns seeking exceptions to these standards or reasonable accommodations should initiate their request with the program’s director.

Application Process

POSITIONS
Up to eight candidates are selected each year for the Mayo School of Health Sciences’ Hospital Pharmacy Internship Program at Mayo Clinic in Rochester on a competitive basis.

The program usually begins in mid-to-late May.

HOW TO APPLY
Your application and all supporting documentation must be received by Jan. 15 of the year you wish to begin the internship.

Step 1: Mail in one envelope an official transcript from your pre-pharmacy and pharmacy programs and a resume to:

Kevin Berg
Mayo School of Health Sciences
St. Marys Hospital
Hospital Pharmacy Services, MB G-722
1216 Second Street SW
Rochester, MN 55905
Step 2: Complete the online Mayo School of Health Sciences’ application form, noting the following instructions:

A. Under Education Information:
   - Do not include information about your high school.
   - Include information about your pre-pharmacy and pharmacy programs.

B. Do not complete the sections titled Standardized Testing and Essay Questions.

C. Under Recommendations, enter the information needed to provide three letters of recommendation. For those who wish to submit their letter of reference on paper, please download and print a copy of the reference form and follow the directions for paper references. References on paper should be mailed to Mayo Clinic College of Medicine in the same envelope containing the college transcript and curriculum vitae.

Step 3: Final candidates will be contacted by telephone for a short interview.

Step 4: Appointments are made by Feb. 15. Your reply is expected within one week.

Compensation

You will receive an hourly wage during the Hospital Pharmacy Internship. Please call to inquire about the current rate.

PROGRAM COSTS
There is no fee to participate in Mayo School of Health Sciences’ Hospital Pharmacy Internship Program.

HOUSING
Mayo Clinic provides free housing for summer pharmacy interns.
Program Contacts

For more information about the Hospital Pharmacy Internship Program at Mayo Clinic in Rochester, please contact:

Kevin Berg, Hospital Pharmacy Internship Program Director
(507) 255-5165
Fax: (507) 255-7556
E-mail: berg.kevin@mayo.edu

Or

Kate Ray, Enrollment and Student Services Director
(507) 284-3678
(800) 626-9041
Fax: (507) 284-0656
E-mail: mshsenrollment@mayo.edu

Mayo Clinic College of Medicine
Mayo School of Health Sciences
Siebens Medical Education Building 11
200 First Street SW
Rochester, MN 55905

You can also request more information on education programs offered by Mayo School of Health Sciences.