

Current Doctor of Pharmacy Curriculum (Accelerated in Vermont 3 years)

Of particular relevance to prescribing of medication in **bold**

- Biological Sciences
  - Biochemistry-3cr.
  - Immunology-3cr.
  - **Physiology/Pathophysiology I & II-4cr. each**
  - Molecular biology-3cr.
- Pharmaceutical Sciences
  - **Pharmacogenomics-2cr.** – study of how personal genetics influence medication response
  - **Pharmacokinetics-3cr.** – study of
  - **Molecular foundations of drug actions-3cr.** – medicinal chemistry
  - Pharmaceutics I & II-3cr. each
- Clinical Sciences
  - **Self-Care and OTC medications**
  - **PTP&M Modules (Pathophysiology, therapeutics, pharmacology & Medicinal chemistry)**
    - Infectious Disease-4cr.
    - GI/Nutrition-2cr.
    - Cardiovascular-4cr.
    - Genitourinary-2cr.
    - Neurology/Psychology-4cr.
    - Rheumatology/Oncology-3cr.
    - Endocrine-2cr.
    - Nephrology/Toxicology-2cr.
    - Respiratory-1cr.
- Pharmacy Practice
  - **Pharmacy Skills Lab ( 5 semesters )**
    - Physical assessment
    - CLIA testing
    - Patient counseling
    - Device counseling
    - Naloxone training
    - Immunization training
    - Compounding (non-sterile & sterile)
    - Pharmaceutical calculations
  - **Integrated Problem solving (5 semesters)**
    - Case studies
    - Pharmacist Patient care process
    - Drug information and biostatistics
    - Scientific Literature evaluation
- Legislation and Rules
  - Law and Ethics- **Foundations of Pharmacy** -1cr.

- **Jurisprudence** -3cr.
  - Federal Law
  - State law
- Administrative, Cultural Health, Ethics 3cr. each
  - Pharmacy Administration
  - Pharmacoeconomics & Health Policy
  - US & Global Healthcare systems
  - **Healthcare and Human values**
- Professional Electives available
  - Pediatric pharmacy
  - Pain management
  - Health Outcomes
  - Health Insurance Impact for Pharmacists
  - Advanced OTC
  - Family Medicine
- **Experiential Education**
  - Introductory Pharmacy Practice Experiences (IPPE) 320 hours total
    - Community-4 weeks/ 160 hours
    - Institutional-3 weeks/120 hours
    - Team Based Care-1 week/40 hours
  - Advanced Pharmacy Practice Experiences (APPE) 6 weeks -240hours=1,680hours total
    - Community (core) Direct patient care
    - Institutional (core)
    - Ambulatory Care (core)-Direct patient care
    - Inpatient ( core) Direct patient care
    - Flex-Core ( Community, Ambulatory Care, Inpatient)
    - Electives (2)