

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)