

## 2022 MICHIGAN BOARD OF PHARMACY APPROVED CONTINUING EDUCATION PROGRAMS

This list contains courses that have been approved in 2022 and will be updated after each Board of Pharmacy meeting. For complete information on continuing education, please refer to the Board of Pharmacy – Continuing Education rules and the Pharmacy Technician rules.

- 539220001 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Pharmacy Ethics and Jurisprudence for 1 hour for **pharmacy technicians**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220002 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Management of Micronutrient Deficiencies in the Adult Inpatient Population for 1 hour for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220003 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Antifungal Treatment and Therapeutic Drug Monitoring Review for 1 hour for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220004 Ascension St. John Hospital, Department of Inpatient Services** – Treatment of Hypercalcemia of Malignancy for 0.5 hours for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220005 Ascension St. John Hospital, Department of Inpatient Services** – Sodium-Glucose Cotransporter-2 Inhibitors in Chronic Kidney Disease for 0.5 hours for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220006 Ascension St. John Hospital, Department of Inpatient Services** – Tailoring Medication Education to Patients’ Health Literacy Level for 0.5 hours for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220007 Ascension St. John Hospital, Department of Inpatient Services** – SGLT Too Many Meds: The Use of SGLT-2 Inhibitors in Heart Failure for 0.5 hours for **pharmacists**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220008 Ascension Genesys Hospital** – The Evolving Role of Sodium-Glucose Cotransporter 2 Inhibitors in Patients with Heart Failure for 1 hour for **pharmacists and pharmacy technicians**.  
Approved from February 16, 2022 to February 28, 2025.

- 539220009 Covenant HealthCare** – A Pharmacist’s Role in Optimizing Therapy for Patient with Heart Failure for 1 hour for **pharmacists and pharmacy technicians**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220010 Covenant HealthCare** – Treatment and Prevention of Bacterial Meningitis/Encephalitis for 1 hour for **pharmacists and pharmacy technicians**.  
Approved from February 16, 2022 to February 28, 2025.
- 539220011 Ascension Genesys Hospital** – Navigating Resistant Gram Negative Infections for 1 hour for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220012 Ascension Genesys Hospital** – A Block in the Road: Implementing ISMP Best Practices to Ensure Safe Use of Neuromuscular Blocking Agents for 2 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220013 Munson Medical Center Cancer Services – Cowell Infusion Pharmacy** – Oncology Pharmacy Lecture Series for 4 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220014 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Risk factors for Staphylococcus aureus infections in intensive care unit patients during the COVID-19 pandemic for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220015 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Okay with Vitamin K? – Predicting INR Response for Non-Anticoagulant-Related Elevations for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220016 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – QTc Best Practice Alert Evaluation – Impact of alerts on prescribing habits for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220017 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – IVIG for Management of Donor-Specific Antibodies after Lung Transplant for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220018 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Impact of pharmacist consult on preventing COPD re-admissions for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.

- 539220019 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Real World Clinical and Economic Outcomes of Pegfilgrastim On-Body Injector vs Prefilled Syringe at an Integrated Health System for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220020 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Incidence of Fever Associated with Dexmedetomidine in Critically Ill Pediatric Patients for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220021 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Retail Pharmacy Clarifications of New Prescriptions – Identifying Patterns for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220022 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Impact of continuous infusion ketamine on bispectral index in sedated, paralyzed, critically ill adults for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220023 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Value-based evaluation of pharmacist intervention in post-discharge transitions of care: A quality improvement project for 0.5 hours for **pharmacists and pharmacy technicians**.  
Approved from April 20, 2022 to April 30, 2025.
- 539220024 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – The approval process for new drugs for 0.5 hours for **pharmacy technicians**.  
Approved from June 15, 2022 to June 30, 2025.
- 539220025 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Taking Charge of your Mental Health for 0.5 hours for **pharmacy technicians**.  
Approved from June 15, 2022 to June 30, 2025.
- 539220026 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Quitting Smoking – How to Add 11 Minutes to Your Life for 0.5 hours for **pharmacy technicians**.  
Approved from August 17, 2022 to August 31, 2025.
- 539220027 Spectrum Health Hospitals, Department of Pharmacy Services** – Pharmacy Grand Rounds – Be Aware of The Medication Error for 0.5 hours for **pharmacy technicians**.  
Approved from August 17, 2022 to August 31, 2025.

- 539220028 Spectrum Health Hospitals, Department of Pharmacy Services – Pharmacy Grand Rounds – C.difficile 2021 Guideline Update: Does More Expensive Translate into Better Outcomes?** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from July 12, 2022 to July 30, 2025.
- 539220029 Michigan Center for Rural Health – Pharmacy Grand Rounds – Pharmacology in Obesity** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220030 Covenant HealthCare – An Overview of Urinary Tract Infection Treatment and Asymptomatic Bacteriuria** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220031 Covenant HealthCare – Pathways of Pain and Treatment Modalities** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220032 Covenant HealthCare – Insomnia Overview & Treatment** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220033 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – Management Strategies for Neuropsychotropic Medication Withdrawal in Hospitalized Patients** for 1 hour for **pharmacists.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220034 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – To the ED and Beyond! A Primer on Ketamine’s Indications, Dosing, and Role in Therapy** for 1 hour for **pharmacists.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220035 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – Prevention and Treatment of Viral Infections Following Hematopoietic Stem Cell Transplant (HSCT)** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220036 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – The Forecast: Sunny with a chance of Pharmacy** for 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220037 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – Pneumococcal Vaccines: An Update to Recommendations** 1 hour for **pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.

- 539220038 Spectrum Health Hospitals – Department of Pharmacy Services – Pharmacy Grand Rounds – Correcting the Correction Factor: The Origins and Practice of Race Based Medicine for 1 hour for pharmacists and pharmacy technicians.**  
Approved from October 19, 2022 to October 31, 2025.
- 539220039 Corewell Health West – Department of Pharmacy Services – Pharmacy Grand Rounds – Interview Skills: Preparing to be the Interviewer for 1 hour for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220040 Corewell Health West – Department of Pharmacy Services – Pharmacy Grand Rounds – Management of severe alcohol withdrawal for 1 hour for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220041 Corewell Health West – Department of Pharmacy Services – Pharmacy Grand Rounds – Acute Myeloid Leukemia Updates for 1 hour for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220042 Corewell Health West – Department of Pharmacy Services – Pharmacy Grand Rounds – Different Strokes for Different Folks: Management of Acute Stroke for 1 hour for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220043 Corewell Health West – Department of Pharmacy Services – Pharmacy Grand Rounds – Medication Care Coordination: Redesigning HealthCare to Improve Outcomes for 1 hour for pharmacists and pharmacy technicians.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220044 Michigan Center for Rural Health - Pharmacy Grand Rounds – Treating Hypertension When It's Challenging for 1 hour for pharmacists and pharmacy technicians.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220045 Ascension St. John Hospital, Department of Inpatient Services – Mounjaro (tirzepatide) for 0.5 hours for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.
- 539220046 Ascension St. John Hospital, Department of Inpatient Services – SMART Therapy for Asthma for 0.5 hours for pharmacists.**  
Approved from December 7, 2022 to December 31, 2025.