

2021 MICHIGAN BOARD OF PHARMACY APPROVED PROGRAMS

This list contains courses that have been approved in 2021 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.

- 539210001 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES –**
Pharmacist’s Approach to the Management of Rare Pediatric Diseases held on February 9, 2021 for 1 hour for **pharmacists**.
- 539210002 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES –**
Pharmacy Grand Rounds – Rolling Out the New Year with COVID-19 Vaccines held on February 2, 2021 for 1 hour for **pharmacy technicians**.
- 539210003 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES –**
Pharmacy Grand Rounds – Rolling Out the New Year with COVID-19 Vaccines held on February 2, 2021 for 1 hour for **pharmacists**.
- 539210004 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
HIV Opportunistic Infections for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210005 ASCENSION GENESYS HOSPITAL**
Pharmacokinetics and Pharmacodynamics in the Critically Ill Patient for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210006 ASCENSION GENESYS HOSPITAL**
Pharmacokinetics and Pharmacodynamics in the Critically Ill Patient held on April 20 and 21, 2021 for 1 hour for **pharmacy technicians**.
- 539210007 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
Don’t Be A Spaz: A Review of Cerebral Vasospasm starting for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210008 ASCENSION GENESYS HOSPITAL**
Uses of Tranexamic Acid in the Emergency Department held on April 20 and 21, 2021 for 1 hour for **pharmacy technicians**.
- 539210009 ASCENSION GENESYS HOSPITAL**
Uses of Tranexamic Acid in the Emergency Department for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210010 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Ouch! Managing Rib Fractures with Multimodal Pain Therapy for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024

- 539210011 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Ouch! Managing Rib Fractures with Multimodal Pain Therapy held on March 9, 2021 for 1 hour for **pharmacy technicians**.
- 539210012 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Pharmacy Research Seminar: Manuscript Writing for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210013 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Review of Beta-lactam Antibiotics and Allergy Assessment held on March 16, 2021 for 0.5 hours for **pharmacy technicians**.
Pharmacy Grand Rounds – Review of Non-beta-lactam Antibiotics held on March 16, 2021 for 0.5 hours for **pharmacy technicians**.
- 539210014 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Diagnosis and treatment of community-acquired, hospital-acquired, and ventilator-associated pneumonia in adult hospitalized patients for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210015 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Medication Use Evaluations (MUEs) held on February 23, 2021 for 1 hour for **pharmacy technicians**.
- 539210016 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Medication Use Evaluations (MUEs) for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210017 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
It Might CLOT be as Hard as You Think – Use of Antihemophilic Agents for the Management of Hemophilia and Von Willebrand Disease for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210018 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
Do's and Don'ts of DOACs in Special Populations for 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210019 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
Oncologic Emergencies 1 hour for **pharmacists**.
Approved program February 11, 2021 through February 29, 2024
- 539210020 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – New Drug Updates at Spectrum Health for 0.5 hours for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024

- 539210021 ASCENSION ST. JOHN HOSPITAL DEPARTMENT OF INPATIENT SERVICES**
Antidotes in the Setting of Toxicology for 1 hour for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210022 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Diagnosis and Treatment of Skin and Soft Tissue Infections (SSTI) in Adult Hospitalized Patients for 1 hour for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210023 ASCENSION ST. JOHN HOSPITAL, DEPARTMENT OF INPATIENT SERVICES**
Opportunistic Infections in Kidney Transplant Recipients for 1 hour for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210024 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – The Effects of FEIBA* and Andexanet Alfa for the Reversal of Apixaban and Rivaroxaban in Uncontrolled Hemorrhage AND Clinical pharmacy specialists’ impact in reducing A1C levels when embedded in a primary care practice for 0.5 hours each, total of 1 hour, for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210025 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Impact of a pharmacy-led post-discharge phone call on 30-day readmission rates and economic outcomes AND Ouch, Part II! Comparison of liposomal bupivacaine versus continuous ropivacaine in plane blocks for rib fracture pain management for 0.5 hours each, total of 1 hour, for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210026 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Evaluation of Pediatric Critical Care Sedation Taper Protocol AND Evaluation of sirolimus for graft-versus-host disease prevention in patients intolerant of calcineurin inhibitors following allogeneic stem cell transplantation; a pilot study for 0.5 hours each, total of 1 hour, for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210027 COVENANT HEALTHCARE**
Approaching Chemo Dispensing, Compounding, and Therapies; A Guide for the Everyday Pharmacist/Pharmacy Technician for 1 hour for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210028 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Association of Rapid Pattern Pathogen Identification and Antimicrobial Susceptibility Platform for Gram-negative Bacteremia on Time to Optimize Antibiotic Therapy AND Evaluation of vitamin K and tiered 4F-PCC protocol for rapid reversal of INR in patients receiving heart transplantation for 0.5 hours each, total of 1 hour, for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024

- 539210029 COVENANT HEALTHCARE**
Beating Burnout for 1 hour for **pharmacists**.
Approved program April 7, 2021 through April 30, 2024
- 539210030 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – New Drug Updates at Spectrum Health held on April 27, 2021 for 0.5 hours for **pharmacy technicians**.
- 539210031 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Overview of Antifungal and Antiviral Agents held on April 27, 2021 for 0.5 hours for **pharmacy technicians**.
- 539210032 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – The Effects of FEIBA* and Andexanet Alfa for the Reversal of Apixaban and Rivaroxaban in Uncontrolled Hemorrhage AND Clinical pharmacy specialists' impact in reducing A1C levels when embedded in a primary care practice held on June 1, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.
- 539210033 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Impact of a pharmacy-led post-discharge phone call on 30-day readmission rates and economic outcomes AND Ouch, Part II! Comparison of liposomal bupivacaine versus continuous ropivacaine in plane blocks for rib fracture pain management held on May 18, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.
- 539210034 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Evaluation of Pediatric Critical Care Sedation Taper Protocol AND Evaluation of sirolimus for graft-versus-host disease prevention in patients intolerant of calcineurin inhibitors following allogeneic stem cell transplantation; a pilot study held on June 8, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.
- 539210035 COVENANT HEALTHCARE**
Approaching Chemo Dispensing, Compounding, and Therapies: A Guide for the Everyday Pharmacist/Pharmacy Technician held on April 16, 2021 for 1 hour for **pharmacy technicians**.
- 539210036 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Association of Rapid Pattern Pathogen Identification and Antimicrobial Susceptibility Platform for Gram-negative Bacteremia on Time to Optimize Antibiotic Therapy AND Evaluation of vitamin K and tiered 4F-PCC protocol for rapid reversal of INR in patients receiving heart transplantation held on May 25, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.
- 539210037 COVENTANT HEALTHCARE**
Beating Burnout held on April 16, 2021 for 1 hour for **pharmacy technicians**.

- 539210038 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Training in opioids and other controlled substances awareness as required in R 338.3135 for 1 hour for **pharmacists**.
Approved program June 9, 2021 through June 30, 2024
- 539210039 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Solid Organ Transplant Pharmacotherapy: Clinical Pearls for Pharmacists for 1 hour for **pharmacists**.
Approved program June 9, 2021 through June 30, 2024
- 539210040 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Pharmacy Ethics and Jurisprudence for 1 hour for **pharmacists**.
Approved program June 9, 2021 through June 30, 2024
- 539210041 ASCENSION GENESYS HOSPITAL**
Uses of Tranexamic Acid in the Emergency Department for 1 hour for **pharmacists**.
Approved program June 9, 2021 through June 30, 2024
- 539210042 MUNSON MEDICAL CENTER CANCER SERVICES – COWELL INFUSION PHARMACY**
2021 Oncology Pharmacy Lecture Series for 4 hours for **pharmacists**.
Approved program June 9, 2021 through June 30, 2024
- 539210043 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Training in opioids and other controlled substances awareness as required in R 338.3135 held on July 13, 2021 for 1 hour for **pharmacy technicians**.
- 539210044 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Pharmacy Ethics and Jurisprudence held on July 20, 2021 for 1 hour for **pharmacy technicians**.
- 539210045 ASCENSION GENESYS HOSPITAL**
Uses of Tranexamic Acid in the Emergency Department held on June 15 and 16, 2021 for 1 hour for **pharmacy technicians**.
- 539210046 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Let's get pumped for Heart Failure AND Too Much Sugar: Reviewing Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic Syndrome held on August 3, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.
- 539210047 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Inhaled epoprostenol therapy AND Overview of Continuous Renal Replacement Therapy (CRRT) held on August 10, 2021 for 0.5 hours each, 1 hour total, for **pharmacy technicians**.

- 539210048 MUNSON MEDICAL CENTER CANCER SERVICES – COWELL INFUSION PHARMACY**
2021 Oncology Pharmacy Lecture Series held on June 26, 2021 for 4 hours for **pharmacy technicians.**
- 539210049 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – A Constellation of Indications: SGLT-2 inhibitors for 1 hour for **pharmacists.**
Approved program August 11, 2021 through August 31, 2024
- 539210050 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Novel Therapies for Pediatric Pain Management for 1 hour for **pharmacists.**
Approved program August 11, 2021 through August 31, 2024
- 539210051 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Preventing Errors Is Not Perfection for 1 hour for **pharmacists.**
Approved program August 11, 2021 through August 31, 2024
- 539210052 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Preventing Errors Is Not Perfection held on September 28, 2021 for 1 hour for **pharmacy technicians.**
- 539210053 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Have No Fear, Ceftazidime-avibactam is Here! Managing Multidrug Resistant Gram – Negative Infections for 1 hour for **pharmacists.**
Approved program October 13, 2021 through October 31, 2024
- 539210054 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – COVID-19 Vaccination in the Pediatric Population for 1 hour for **pharmacists.**
Approved program October 13, 2021 through October 31, 2024
- 539210055 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Let's C the Difference in the IDSA and SHEA 2021 focused update on management of Clostridioides difficile infection in adults for 1 hour for **pharmacists.**
Approved program October 13, 2021 through October 31, 2024
- 539210056 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Treatment Strategies for Hemorrhagic Strokes for 1 hour for **pharmacists.**
Approved program October 13, 2021 through October 31, 2024

- 539210057 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Maintenance Immunosuppression in Adult Renal Transplant Recipients; A Dive into Envarsus XR for 1 hour for **pharmacists**.
Approved program October 13, 2021 through October 31, 2024
- 539210058 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Risk Evaluation and Mitigation Strategies (REMS) – REMember the 3Ps: Purpose, Products, Procedures for 1 hour for **pharmacists**.
Approved program December 8, 2021 through December 31, 2024
- 539210059 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – What Happens After Pregnancy: A Pharmacy Guide to Postpartum Pearls for 1 hour for **pharmacists**.
Approved program December 8, 2021 through December 31, 2024
- 539210060 SPECTRUM HEALTH HOSPITALS, DEPARTMENT OF PHARMACY SERVICES**
Pharmacy Grand Rounds – Management of Frostbite for 1 hour for **pharmacists**.
Approved program October 13, 2021 through October 31, 2024