Various pharmacy practice settings require knowledge and skills to provide optimal care for patients in current and future advanced practice. General knowledge in the use of pharmacogenomics, methods of reimbursement, and issues regarding patient transition through different levels of care is critical. The MTO certificate program provides opportunities to develop skills to provide care for patients in rural settings, from underserved populations, in accountable care organizations, and throughout the continuum of care process. Pharmacists can provide immense value by focusing on the healthcare needs for specific segments of the population. The student pharmacist can also choose to complete coursework in topics such as geriatrics, infectious disease, internal medicine, wellness, and advanced practice pharmacy.

Students are required to complete 12 units of coursework, 3 units of Introductory Pharmacy Practice Experiences (IPPE) and 12 units of Advanced Pharmacy Practice Experiences (APPE) to earn the Medication Therapy Outcomes Certificate.

**Accepted courses**

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| **Medication Therapy Outcomes Certificate** | **Units** |
| PHAR 580 Current Topics in Pharmacy Practice | 3.0 |
| PHAR 581 Advanced Topics in Drug Interactions | 1.5 |
| PHAR 588 Geriatric Patient Care | 1.5 |
| PHAR 590 Practical Aspects of Hematology/Oncology… | 1.5 |
| PHAR 591 Training in Delivering Med Therapy Mgt Services  Or PHAR 591: Pharmacists’ Patient Care Process | 1.5 |
| PHAR 593 Cardiology | 1.5 |
| PHAR 595 Neuropsychiatric Pharmacotherapy | 1.5 |
| PHAR 596 Travel Health | 1.5 |
| PHAR 598 Independent Research in Oncology | 1.5 |