Summer 2025
Maryland Academy for Pharmacy Success (MAPS)

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Program Description:

The Maryland Academy for Pharmacy Success: Pharmacy Foundations is an online summer program designed to help students map their way to success in pharmacy. The program provides an opportunity to engage, learn core concepts essential to first semester courses, and begin mapping your career in

pharmacy. The program consists of 5 units covering topics that will support your success in the first semester of pharmacy school.

Why Complete MAPS?

While MAPS is optional, concepts covered provide a refresher of prerequisite content essential to success in first year courses. Onboarding week will apply and assess your competency in foundational science and math. Summer MAPS provides an important refresher for foundational science and math concepts.

Final Completion Deadline: *Sunday, August 17, 2025, at 11:59pm*

About MAPS Units

Each unit is asynchronous, containing online lectures, readings, and assessments as a review of prerequisite content that will be applied in required first-year courses. **Students should expect to spend 2-5 hours on each unit.** Optional Zoom module debriefs are scheduled to answer questions about each before orientation week. Recordings will be available for students who are unable to attend the module debriefs live. *Students should complete the activities for each module prior to the module debrief with faculty and come prepared with questions.*

Required Textbooks/Readings:
All materials needed for the 2024 MAPS program will be provided to students at no cost.

Recommended Textbooks/Readings:
Starting in August, students will be provided with access to:

Top 300 2024-2025 Pharmacy Drug Cards. McGraw-Hill. Digital Edition provided by the School via AccessPharmacy. https://accesspharmacy.mhmedical.com/qa.aspx?groupid=955

McGraw Hill also publishes a print edition that can be purchased by students who prefer printed materials. The print edition is available on Amazon and other book resellers.

Required Equipment:
Working computer/laptop and broadband Internet access.

Note: Students are required to possess and maintain a working laptop that meets the school's minimum laptop and software specifications, and reliable broadband Internet access.

Current Laptop Specifications

http://www.pharmacy.umaryland.edu/pharmdlaptop

Technology Requirement Policy

https://go.pharmacy.umaryland.edu/policytechnology

Unit Activities

Unit	Unit Module Objectives	Unit Start Date	Activities and Assignments	Optional Module Debrief
Unit 1 MAPS and Student Success	**Module 1 Mapping your way to Pharmacy Success** 1. Describe how "MAPS" supports the success of first-year Doctor of Pharmacy (PharmD) students. 2. Describe the first-year Doctor of Pharmacy program and its relevance to the pharmacy profession. 3. Develop a time management plan for participation in the MAPS program. **Module 2 Technology Support for Student Success** 1. Demonstrate your knowledge of essential technology tools for student success. 2. Demonstrate how to navigate pharmacy course materials in Blackboard.	**Access Available:** 06/09/25	**For Each Module** 1. Review posted resources. 2. Assignment: Respond to posted reflection questions ***Suggested Deadline: Monday 6/16/25 at 11:59 pm ET***	Monday, 06/16/25 6:00 pm Join Zoom meeting Passcode: MAPS
Unit 2 Foundations of Pharmaceutical Sciences 1	**Module 1 - Biochemistry** 1. Describe the structure and function of the chemical building blocks of life. 2. Demonstrate knowledge of biochemical pathways involving numerous molecular entities 3. Explain the application of Biochemistry concepts to pharmacy practice. **Module 2 – Genomics** 1. Describe how genetic information is stored, replicated, and translated giving rise to proteins. 2. Explain the application of Genomics and Proteomics concepts to pharmacy practice.	**Access Available:** 06/09/25	**For Each Module:** 1. Complete Module Pre-Assessment 2. Review posted resources. 3. Blackboard "quiz" - Students retake up to 3 times until they reach a minimum score. 4. Complete "Muddiest Point" Reflection ***Suggested Deadline: Monday, 6/23/25 at 11:59 pm ET***	Tuesday, 6/24/25 6:00 pm Join Zoom meeting Passcode: MAPS
Unit 3 Foundations of Pharmaceutical Sciences 2	**Module 1 – Physical and Pharmaceutical Chemistry** 1. Describe physical properties of drugs that affect their actions on the human body. 2. Predict factors that impact solubility and explain why solubility is important for drug activity.	**Access Available:** 06/09/25	**For Each Module:** 1. Complete Module Pre-Assessment 2. Review posted resources.	Tuesday, 7/8/25 6:00 pm

Unit	Unit Module Objectives	Unit Start Date	Activities and Assignments	Optional Module Debrief
	3. Explain the application of Physical and Pharmaceutical Chemistry concepts to pharmacy practice. **Module 2 – How Drugs Work** 1. Describe how drugs act on the human body, and how the human body responds to drugs. 2. Explain the application of Principles of Drug Action concepts to pharmacy practice.		3. Blackboard "quiz" - Students retake up to 3 times until they reach a minimum score. 4. Complete "Muddiest Point" Reflection ***Suggested Deadline:*** ***Monday 7/7/25 at 11:59 pm ET***	Join Zoom meeting Passcode: MAPS
Unit 4 **Foundations of Pharmaceutical Calculations**	**Module 1 – Pharmaceutical Calculations** 1. Practice applying rules related to rounding, conversions, and algebraic concepts to be prepared to successfully complete pharmaceutical calculations	**Access Available:** 06/09/25	**For Each Module:** 1. Complete Module Pre-Assessment 2. Review posted resources. 3. Blackboard "quiz" - Students retake up to 3 times until they reach a minimum score. 4. Complete "Muddiest Point" Reflection. ***Suggested Deadline:*** ***Wednesday 07/14/25 at 11:59 pm ET***	Tuesday, 7/15/25 6:00 pm Join Zoom meeting Passcode: MAPS
Unit 5 **Student Success in your First Professional Year**	**Module 1 – Supporting your Academic Success** 1. Describe at least 3 evidence-based time management strategies and develop a time management plan for upcoming Fall coursework of the first year of PharmD curriculum. 2. Define the components of a SMART goal and develop at least one long-term and two short-term goals to work toward during the course of the PharmD program. **Module 2 – Developing your Professional Identity as a Student Pharmacist** 1. Explain the importance of training requirements as a student pharmacist. 2. Demonstrate an understanding of continuous professional development	**Access Available:** 06/09/25	**For Each Module:** 1. Review posted resources. 2. Assignment: Respond to posted reflection questions ***Final Course Deadline:*** ***8/17/25 at 11:59 pm ET***	Debrief to take place in person during orientation week

Course Policies:

Statement on Academic Policies:

This course follows all current academic policies on student performance and the Honor Code. Please refer to http://www.pharmacy.umaryland.edu/studentpolicies for a detailed list of academic policies.

Course Specific Policies

Accessibility: UMB attempts to comply with Section 508 of the Rehabilitation Act. If you identify course information that is not accessible, please ask the instructor for assistance. To view Blackboard's accessibility statement and related information, visit http://www.blackboard.com/accessibility.aspx

Notice of Nondiscrimination: The University of Maryland, Baltimore is committed to fostering an environment in which its students, faculty and staff are free from sexual harassment and violence or illegal discriminatory practices. These behaviors impede learning and positive working conditions and, therefore, are not tolerated. The policies and resources outlined on the following link have been developed to ensure the safety and well-being of all members of the University community: http://www.umaryland.edu/titleix