

# Exam Master's Pre-Matriculation Pharmacy Program

## Helping Pharmacy Students Succeed



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INTRODUCING

# Pharmacy Pre-Matriculation Success Program

Specialized Modules to Prepare Your New Pharmacy Students  
Before Classes Begin!

## Improve Program Outcomes. Help Your Students Succeed!

Exam Master presents a comprehensive solution to the need to better-prepare pharmacy students for the first year of pharmacy school. Features an initial baseline assessment and targeted subject modules.

### COVERS THE KEY PRE-REQUISITE SUBJECTS

- General Chemistry
- Organic Chemistry
- Biochemistry
- Math/Algebra/Statistics
- Physiology
- Microbiology
- Biology

### SPECIAL FEATURES

- Includes supplemental study materials
- Guides students as to why topics are important
- Interactive quizzes solidify learning

### PROGRAM BENEFITS

- Students are better prepared
- Faculty can focus on deeper instruction
- Minimizes need for student remediation

### PROGRAM FEATURES

150-item Baseline Assessment

- Covers key subjects
- Identify knowledge gaps
- Excellent formative experience

Subject Modules

- Developed by Pharmacy educators
- Features targeted learning objectives
- Self-Paced

Targeted Quizzes

- Measures learning outcomes
- Builds confidence

**Contact Jim Pearson to  
Get Started Today.**  
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# Pharmacy Pre-Matriculation Success Program by Exam Master

## Identify and Correct Knowledge Gaps in New Pharmacy Students Before Classes Begin

Complete package includes baseline assessments, targeted subject modules, and performance quizzes all available online.

Here is a partial list of the subjects available in Exam Master's Pharmacy Pre-Matriculation Success Program:

- General Chemistry
- Organic Chemistry
- Biochemistry
- Math/Algebra/Statistics
- Physiology
- Microbiology
- Biology

### The Challenge

With a declining applicant pool and concerns about attrition, schools and colleges of pharmacy are having to make difficult choices when attracting and admitting qualified applicants. Many new pharmacy students will need support if they are going to succeed. Exam Master has developed a program to efficiently and affordably help these new students before they start their classes.

### The Solution

Exam Master's Pharmacy Pre-Matriculation Success Program has been developed by pharmacy educators to provide a 4-6 week self-directed review of the key foundational subjects and topics pharmacy students need to know before they start classes.

### Program Features

- Initial Benchmark Assessment to measure pharmacy students baseline knowledge in the critical prerequisite subjects including biochemistry, organic chemistry, physiology, applied mathematics, and more.
- Special Subject modules are utilized for self-directed and guided review of key foundational subjects including physiology, biochemistry, math/algebra, biology, general chemistry, organic chemistry, microbiology, and more.
- Performance quizzes measure learning in the key subjects, identify areas needing additional support, and build student confidence.

### Targets the Most Important Concepts

The Program's subject modules have been developed to focus on those learning objectives most critical to success in pharmacy school – targeting key knowledge gaps, saving time and improving students' readiness for the demanding pharmacy curriculum.

**Provide your students with an opportunity to refresh their knowledge, build their confidence, and give them the tools to succeed.** With Exam Master's Pharmacy Pre-Matriculation Success program you can do this efficiently, affordably and effectively.



Contact us to learn more!

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# Exam Master's Pre-Matriculation Pharmacy Program Content

## Pre-Matriculation Pharmacy Benchmark Exam (120-180 Questions)

### Delivery Method

Academic Manager Online Testing System

### Description

120-180 Question Benchmark Exam assessing the following pre-requisite subjects:

- General Chemistry
- Organic Chemistry
- Biochemistry
- Math/Algebra/Statistics
- Physiology
- Microbiology
- Biology

### Purpose

Exam Master's Pre-Matriculation Pharmacy Benchmark Exam is used to assess all participating students' strengths and weaknesses on the most important pre-requisite subjects and their associated learning objectives. Focus is on those objectives determined to have the most importance to student success within pharmacy education (particularly the first 18-months).

Students will have instant feedback (detailed score reporting) as to their overall score on Exam Master's Pre-matriculation Pharmacy Benchmark Exam as well as detailed score reporting on the topics and subtopics (learning objectives) for each subject.

Pharmacy administrators will receive detailed score reporting for each individual student as well as the participating cohort as a whole. Also, over time pharmacy schools will be able to compare their incoming cohort and individual student benchmark exam scores with de-identified comparative data from other participating pharmacy programs.

## Pre-Matriculation Pharmacy Course Learning Modules and Lessons

### Delivery Method

Online Learning Management System

### Description

Online learning modules and lessons covering the most important learning objectives carefully selected by pharmacy educators as most relevant to student success.

### Purpose


Exam Master's Pre-matriculation Pharmacy Course learning modules and lessons are used to help each enrolled student review and refresh their pre-requisite knowledge on the most important concepts for each individual pre-requisite course (biochemistry, math, organic chemistry etc.). Each course learning module will identify the key learning objectives covered.

Students can work at their own pace as they move from module to module. Most learning modules include instructional video lectures, visual content and embedded formative quizzes to measure learning. Each module will have 4-8 lessons each.

Students will receive formative feedback throughout each lesson, and they will be able to review the associated learning module as often as needed. Pharmacy administrators will receive detailed reporting for each individual student and their activity. Each participating pharmacy school will be able to assign Exam Master's Pre-Matriculation Learning Modules and Lessons as student-directed self-study or with pharmacy faculty involvement or guidance.

Sample Learning Objectives:

- Math/Algebra/Statistics Module
  - Be Able to Solve Complex Dimensional Analysis
  - Identify Slope and Y-Intercept from a Linear Equation
- Organic Chemistry Module
  - Identify Functional Groups on Organic Molecules
  - Define Isomer, Stereoisomer, and diastereomers
- Chemistry Module
  - Calculate and Explain the Meaning of PH and pOH
  - Classify Molecules as an Acid or Base

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- Biology Module
    - Explain Where and How Protein Synthesis Takes Place
    - Explain Mitosis and the Cell Cycle
  - Biochemistry Module
    - Explain Hormones and Their Mechanisms of Action
    - Explain the Structure and Classification of Lipids

### **Supplemental Modules:**

Along with the covered pre-requisite subjects there also are learning modules and lessons on the following topics:

- Time Management
- Critical Thinking
- Communication Skills
- Professionalism

## **Exam Master's Pre-Matriculation Pharmacy Course-Specific Summative Exams**

### **Delivery Method**

Academic Manager Online Testing System

### **Description**

Summative pre-requisite subject matter exams designed to assess student learning after they have completed each course or module.

### **Purpose**

Exam Master's pre-matriculation Pharmacy course-specific summative exams are designed to assess whether the participating student has met the learning objectives required for each course or module. Detailed score reporting will provide the pharmacy program and student with a breakdown of the student's strengths and weaknesses down to the sub-topic level. Each pre-matriculation course-specific summative exam's blueprint has been developed to reflect the most important learning objectives covered in the course and relate to student success in P1/P2 pharmacy curriculum.

## Role of The Pharmacy Pre-Matriculation Advisory Committee

To ensure that Exam Master's Pre-Matriculation Pharmacy Program is both targeted properly to the most important pre-requisite subjects and to the learning objectives critical for success in the early phases of the pharmacy school, we are involving pharmacy educators to help inform and guide this important project.

Advisory Committee: Exam Master is now reaching out to pharmacy educators and leaders who may be interested in being a part of a research-based, non-compensated advisory committee who will participate in the review and evaluation of Exam Master's Pre-Matriculation Pharmacy course content during the development stage. Members of the advisory committee interested in doing longitudinal research related to eventual outcomes and student achievement will be supported and encouraged to get involved with special arrangements for sharing of outcomes data as appropriate and with IRB oversight.

One of the advisory committee's initial tasks will be to ensure we are covering the most important topics and subtopics for each pre-requisite course covered in Exam Master's Pre-Matriculation Pharmacy Program. We are asking participating pharmacy educators when able, based upon their educational commitments and schedules, to help with the following:

- **Pre-Requisite Course Outline Review:**
  - Selection of most important topics for each pre-requisite course
  - List learning objectives for each course topic selected
  - Statement as to why each learning objective is important to pharmacy education
  - List of associated P1/P2 pharmacy courses for each learning objective
- **Pre-Matriculation Learning Modules and Lessons Review:**
  - Review each course-specific learning modules to ensure introduction covers why the course and specific individual topics are important to pharmacy education as well as informing the students as to what specific pharmacy courses the learning modules relate to.
  - Review course-specific learning modules to ensure coverage of most important topics and learning objectives listed within each course review.
  - Review course-specific lessons to ensure coverage of most important learning modules and proper question difficulty level.
- **Pre-Matriculation Summative/Capstone Quiz/Test Review:**
  - Review each test question and their associated learning objectives
  - Review each test question for accuracy
  - Provide a subjective opinion about the question difficulty

In the Fall of 2019 after participating programs have completed the 2019 deployment of Exam Master's Pharmacy Pre-Matriculation Program, Exam Master and the pharmacy advisory committee will review the collected de-identified data from all participating programs, make assessments of the outcomes and make the necessary recommendations for adjustments to individual resources within this pre-matriculation program for improvement with the next cohort start in 2020.



## **Benefits of Participating as a Pharmacy Advisory Committee Member**

- You will play an important role in shaping the development of a resource tailored to solve a specific challenge facing the majority of pharmacy programs: the decrease in academic preparedness of incoming P1 students.
- You will be collaborating with pharmacy educators who have come together for the common good of pharmacy education to help produce a resource that will both benefit their individual pharmacy school and pharmacy education as a whole and, most importantly, pharmacy students.
- You will be able to suggest program changes or improvements that may help to solve specific challenges faced by your school's incoming students.
- You will have access to beta and pre-launch pharmacy educational resources.
- You will be given preferred pilot pricing for your pharmacy school or college.



## Next Steps

We would like to hear your thoughts about Exam Master's Pre-Matriculation Program. We have limited time to complete the review of this project before May 2019. If you would like to schedule a conference call to discuss Exam Master's Pre-Matriculation Program in greater detail and to learn more about participating as an advisory committee member, please reach out to me directly or send me an email. Or you can use the following link to select a time for our call from my calendar:

<https://exam-master-sales.appointlet.com/s/discussion-with-jim-pearson-of-ex-am-master>

I look forward to our open discussion.

Best Regards,

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