

Masters of Pharmaceutical Sciences
Concentration in Individualized Medicine
Clinical Professional Track

Clinical Professional Degree Plan

The Masters of Pharmaceutical Sciences Program with a concentration in Individualized Medicine is designed for healthcare professional who want integrate comprehensive medication management and precision medicine into patient care.

This 31-credit program can be completed in 2 years (24 months) or six semesters. Typically, most students opt for the two-year plan, while some working professionals may take more than two years to complete. Students have up to seven years to complete the program from the date of admission.

Required Foundational Courses

These **four required foundational courses (6 credits)** must be completed prior to enrolling in elective coursework.

Course #	Course Title	Credits	Fall	Spring	Summer	Weeks
PHA 6134	Foundations of Precision Medicine: Genomic Technologies	1	X	X	X	5
GMS 6224	Foundations of Precision Medicine: Medical Molecular Genetics	1	X	X	X	5
PHC 6598	Foundations of Precision Medicine: Genetic Epidemiology	1	X	X	X	5
PHA 6935	Foundations of Precision Medicine: Pharmacogenomics	3	X	X	X	16

Required CAPSTONE Course

This **1-credit comprehensive exam** must be completed during your final semester.

Course #	Course Title	Credits	Fall	Spring	Summer	Weeks
PHA 6936	Individualized Capstone: Comprehensive Exam	1	X	X	X	16

- **Students graduating in the Fall/Spring** must take at least 3 credits in the final semester and should plan to take an Elective Course in addition to Special Topics.
- **Students graduating in the Summer** must take at least 2 credits in the final semester and should plan to take an Elective Course in addition to Special Topics.

Elective Course Options

A minimum of **24 credit hours of elective coursework** must be completed in addition to the 6 credit hours of required foundational courses and the 1 credit Capstone exam.

Course #	Course Title	Credits	Fall	Spring	Summer	Weeks
PHA 6935	Clinical Care and Implementation of Pharmacogenomics	3	X	X		16
PHA 6935	Foundations of Medication Management: Patient Care and Practice	3	X	X		16
PHA 6935	Foundations of Medication Management: Pharmacotherapy of Chronic Disease	3	X	X		16
PHA 6746	Patient Education and Communication in the Era of Precision Medicine	1			X	5
PHA 6935	Pharmaceutical Research and Development: Foundations and Impact on Precision Medicine	3			X	16
PHA 6935	Ethics in Genetics	3		X		16
PHA 6613	Clinical Applications of Precision Medicine: Precision Health	3	X			16
PHA 6136	Clinical Applications of Precision Medicine: Oncology	3	X			16
PHA 6935	Individualized Pharmacotherapy I	3	X			16
PHA 6935	Individualized Pharmacotherapy II	3		X		16

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PHA 6935	Literature Survey in Individualized Medicine	3	X		16
PHA 6936	Individualized Study	3	By invitation only.		16

***More elective courses coming soon!*

For students interested in pursuing an online graduate certificate in Comprehensive Medication Management or Precision Medicine along with the master's program should contact [dessa@ahc.ufl.edu](mailto:dess@ahc.ufl.edu).

Graduation Requirements

- A minimum of 31 credits are required to complete the degree.
 - 6 credit hours of required foundational coursework
 - 24 credit hours of elective coursework
 - 1 credit hour of CAPSTONE
- Only courses completed with a C grade or higher will be applied toward the degree.
- Students must maintain an **overall GPA and major GPA of 3.0** or higher to graduate.
- Upon completion of the program, graduates will earn a Master of Science in Pharmacy with a major in Pharmaceutical Sciences and a concentration in Individualized Medicine issued by the Graduate School of the University of Florida. Your transcript will read Master of Science in Pharmacy, graduation date, major Pharmaceutical Sciences, concentration Individualized Medicine. Your diploma will read Master of Science in Pharmacy.