



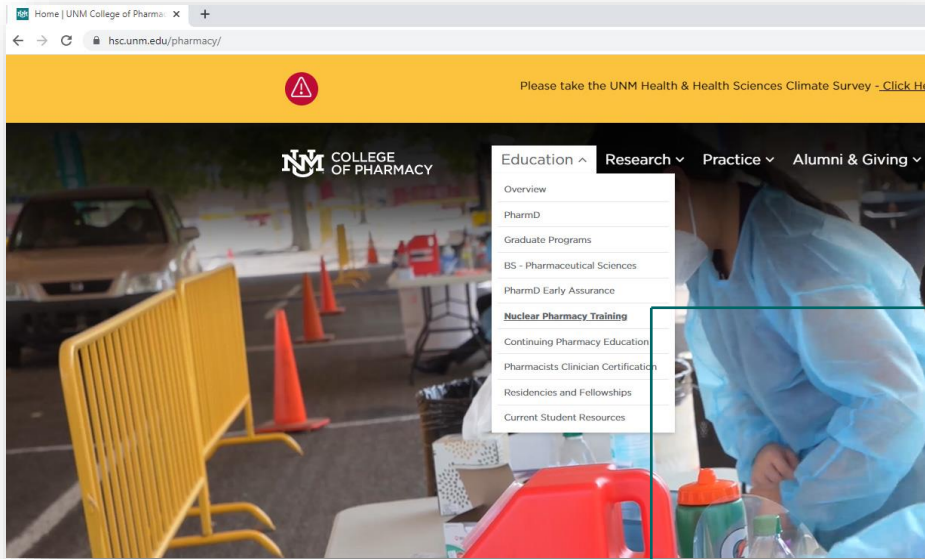
# UNM NEO Website Mock-Up Example

4/28/2023

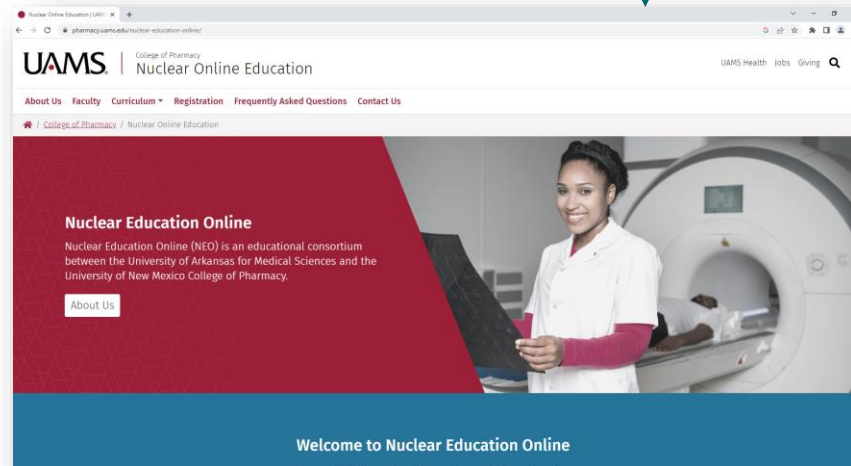
## Purpose / Summary Statement for HSC Web:

- Currently the “Nuclear Pharmacy Training” link under “Education” navigation link on the UNM COP official website directs to a UAMS partner run website.
- We would like to create and link to a UNM COP branded website. This will showcase the Nuclear Education Online program while highlighting our partnership with UAMS.
- We would like the ability to edit and add additional content to the NEO website.

# Currently

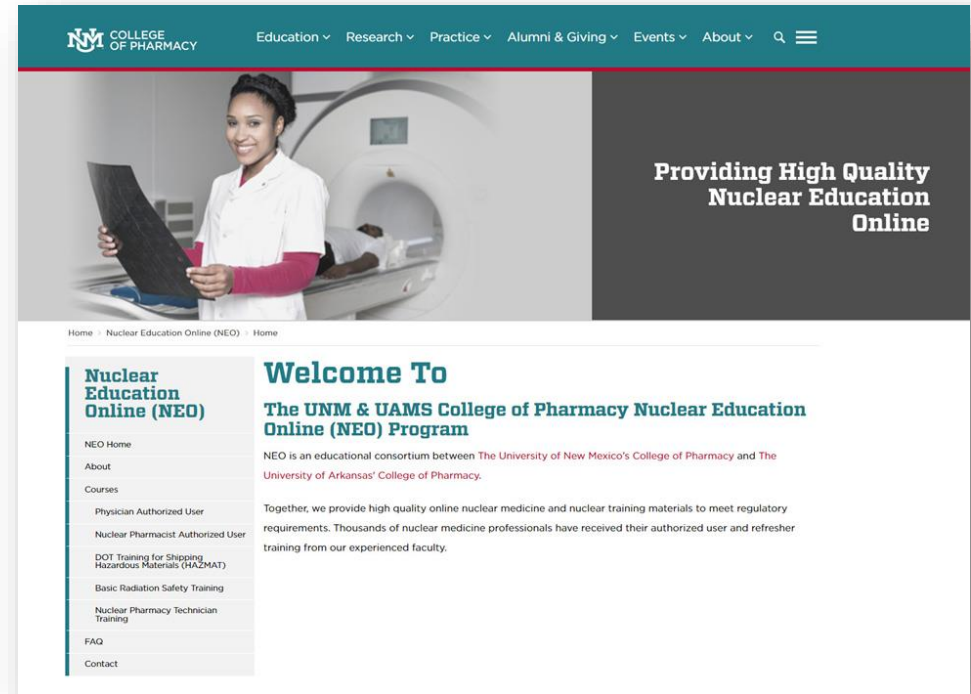


<https://hsc.unm.edu/pharmacy/>



<https://pharmacy.uams.edu/nuclear-education-online/>

# Proposed



<https://hsc.unm.edu/pharmacy/programs/nuclear-education-online>



**Providing High Quality  
Nuclear Education  
Online**

[Home](#) ▸ [Nuclear Education Online \(NEO\)](#) ▸ [Home](#)

## Nuclear Education Online (NEO)

- [NEO Home](#)
- [About](#)
- [Courses](#)
- [Physician Authorized User](#)
- [Nuclear Pharmacist Authorized User](#)
- [DOT Training for Shipping Hazardous Materials \(HAZMAT\)](#)
- [Basic Radiation Safety Training](#)
- [Nuclear Pharmacy Technician Training](#)
- [FAQ](#)
- [Contact](#)

## Welcome To

### The UNM & UAMS College of Pharmacy Nuclear Education Online (NEO) Program

NEO is an educational consortium between [The University of New Mexico's College of Pharmacy](#) and [The University of Arkansas' College of Pharmacy](#).

Together, we provide high quality online nuclear medicine and nuclear training materials to meet regulatory requirements. Thousands of nuclear medicine professionals have received their authorized user and refresher training from our experienced faculty.



## Expanding Nuclear Pharmacy Education & Training Nationwide

[Home](#) > [Nuclear Education Online \(NEO\)](#) > [About](#)

### Nuclear Education Online (NEO)

- [NEO Home](#)
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- [Nuclear Pharmacy Technician Training](#)
- [FAQ](#)
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## About



In 1972, The University of New Mexico began teaching radiopharmacy courses and established the first commercial radiopharmacy. The University of New Mexico and the University of Arkansas Colleges of Pharmacy are two out of a small number of pharmacy schools nationwide that offer nuclear pharmacy education and training.

In 1999, faculty from these two universities formed an educational consortium to expand nuclear pharmacy education and training in order to help meet the demand for pharmacists, physicians, technicians, cyclotron operators, and other pharmacy professionals required to handle radioactive materials.

# NEO Courses Page Example 1



**We Have Trained  
Thousands of Workers  
& Authorized Users of  
Radioactivity**

Home > Nuclear Education Online (NEO) > Courses

## Nuclear Education Online (NEO)

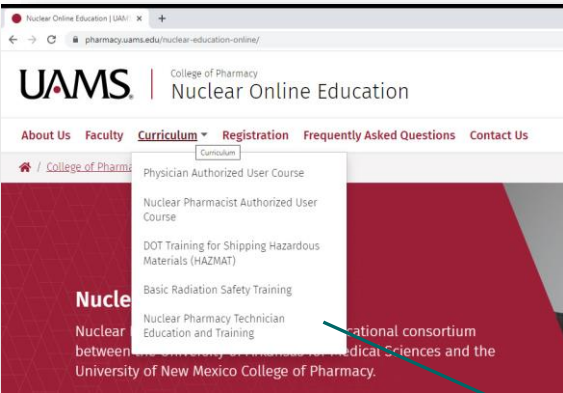
- NEO Home
- About
- Courses
  - Physician Authorized User
  - Nuclear Pharmacist Authorized User
  - DOT Training for Shipping Hazardous Materials (HAZMAT)
  - Basic Radiation Safety Training
  - Nuclear Pharmacy Technician Training
- FAQ
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## Courses

Since offering our first Nuclear Education Online (NEO) courses in 2001, we have trained thousands of workers and authorized users of radioactivity. In 2004, the NEO program received a grant from the U.S. Department of Education Fund for the Improvement of Post-Secondary Education (FIPSE) to expand our educational programs into related areas. Due to this expansion, NEO now provides specialized training to a more extensive audience. Learn more about the courses we offer below.


**The NEO program provides specialized training in the following areas:**

<b>Physician Authorized User</b> 	<b>Nuclear Pharmacist Authorized User</b> 	<b>DOT Training for Shipping Hazardous Materials (HAZMAT)</b> 
<b>Basic Radiation Safety Training</b> 	<b>Nuclear Pharmacy Technician Training</b> 	<b>Questions?</b> 



- Tab Info will be consistent to include the following sections:
  - Course Description
  - Curriculum
  - Course Support
  - Pricing / Register

# Example of Authorized User Course – Tabbed Info



**We Have Trained Thousands of Workers & Authorized Users of Radioactivity**

Home > Nuclear Education Online (NEO) > Courses > Physician Authorized User

**Nuclear Education Online (NEO)**

- NEO Home
- About
- Courses
- Physician Authorized User
- Nuclear Pharmacist Authorized User
- DOT Training for Shipping Hazardous Materials (HAZMAT)
- Basic Radiation Safety Training
- Nuclear Pharmacy Technician Training
- FAQ
- Contact

## Physician Authorized User

Course Description

Curriculum

Course Support

Pricing / Register

### Course Description

The NEO Authorized User Training for Physician program satisfies the NRC requirement for the minimum number of classroom and laboratory training of 80 hours for \$5,290 & \$5,396 and 200 hours for \$5,390. Physicians can meet the didactic training requirements for both the NRC Authorized User License requirement or agreement state equivalent.

Note: Supervision of an authorized user physician is required to obtain the full experiential hours outside the scope of an online program. This program requires authorized user attestation to basic handling in a "laboratory" format prior to granting of the certificate.

This is NOT the same as 500 hours supervised experience under the preceptor authorized user.

Course Description

Curriculum

Course Support

Pricing / Register

### Curriculum

NEO combines the web-based curriculum with experiential training at their local institution or nuclear pharmacy to provide students with hands-on experience.

**80 Hour:**

1. Physics & Instrumentation
2. Radiation Biology
3. Radiation Chemistry
4. Radiation Safety and Regulations

**200-Hour**

1. Nuclear Physics
2. Nuclear Instrumentation
3. Radiation Biology & Protection
4. Radiochemistry & Regulations

**Course Recognition:**

The Nuclear Education Online program is generally recognized by the U.S. Nuclear Regulatory Commission (NRC) and agreement states. The course fulfills the didactic training required by the NRC. The program is also accepted by the CBNC to satisfy eligibility requirements for the 80 hours of training that meets the NRC topic requirements.

Students completing the entire structured program will receive a certificate of completion that can be used to show proof of completion of 80 or 200 didactic hours of authorized user training. This would be coupled with authorized user preceptor attestation of experiential training to be added to a radioactive materials license.

Course Description

Curriculum

Course Support

Pricing / Register

### Course Support

If you have questions about access or technical support to the online course please email UNM's NEO Tech Support at [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu).

For questions about enrollment, preceptor information, payments, or curriculum related please email Brigitte Serfaty at [BSerfaty@uams.edu](mailto:BSerfaty@uams.edu).

Course Description

Curriculum

Course Support

Pricing / Register

### Pricing / Register

**Pricing:**

Participants	80 hours	200 hours
Fellows	\$1500	\$3200
Physicians	\$2500	\$4200
Non-Pharmacist Authorized User		\$6300

**Register:**

**Enrollment Forms**

[Physician / Fellow Enrollment Form](#)

[Pharmacist / Pharmacy Student / Technician Enrollment Form](#)

**Group Enrollments:**

If you're interested in group enrollment please contact Brigitte Serfaty at [bserfaty@uams.edu](mailto:bserfaty@uams.edu) or 501-686-6398 for pricing and additional information.



# Nuclear Pharmacist Authorized User Course – Tabbed Info

Home > Nuclear Education Online (NEO) > Courses

## Nuclear Education Online (NEO)

- NEO Home
- About
- Courses
  - Physician Authorized User
  - Nuclear Pharmacist Authorized User
  - DOT Training for Shipping Hazardous Materials (HAZMAT)
  - Basic Radiation Safety Training
  - Nuclear Pharmacy Technician Training
- FAQ
- Contact

### Nuclear Pharmacist Authorized User Course

Course Description | Curriculum | Course Support | Pricing / Register

#### Course Description

The NEO program is a great way for pharmacists to receive their authorized nuclear pharmacist training. This program meets the NRC requirements for 200 hours of didactic training to become an authorized nuclear pharmacist.

Note: The pharmacist can obtain the required 500 experiential hours of precepted experience required to be placed on a radioactive materials license at any time, including after employment.

The 500 experiential hours necessary to be added to a radioactive materials license must be under the supervision of an authorized nuclear pharmacist and is outside the scope of an online course.

Course Description | Curriculum | Course Support | Pricing / Register

#### Curriculum

- Five self-paced courses: Nuclear Physics, Instrumentation, Radiation Safety & Regulations, Radiation Biology, and Radiochemistry.
- A hands-on laboratory experiential component that can be completed at the nuclear pharmacy of the student's choice through shadowing, rotations, internships or employment.
- Course materials available off-line for study.
- Self-Assessment quizzes for students to test their knowledge prior to exam.
- Anytime, any place, any pace!
- Certificates and documentation available immediately upon completion

Course Description | Curriculum | Course Support | Pricing / Register

#### Course Support

If you have questions about the online course for Nuclear Pharmacist Authorized User, please email UNM's NEO Tech Support at [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu).

Course Description | Curriculum | Course Support | Pricing / Register

#### Pricing:

- ANP (Pharmacist): \$7,800
- ANP (Pharmacy Student): \$4,000
- NPT (Pharmacy Technician): \$1,800

#### Register:

To register for this course please [click here](#) to download and complete the Authorized Nuclear Pharmacist (ANP) form and email it to [bserfaty@uams.edu](mailto:bserfaty@uams.edu).

#### Group Enrollments:

If you're interested in group enrollment in the Nuclear Cardiology and Radiology Resident Programs should contact Brigette Serfaty at [bserfaty@uams.edu](mailto:bserfaty@uams.edu) or 501-686-6398 for pricing and additional information.

# UAMS Enrollment Form

## Current Enrollment Form

**NEO NUCLEAR EDUCATION ONLINE**

**Authorized Nuclear Pharmacist (ANP) or Nuclear Pharmacy Technician (NPT) Enrollment Form**

**ANP or NPT Enrollment Information**

Name \_\_\_\_\_  
Home address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Home & Work Email address \_\_\_\_\_

What is your primary position?

Pharmacist  
 Technician  
 Pharmacy Student  
 Other: \_\_\_\_\_

**Choose Course Option**

ANP (Pharmacist) \$7800  
 ANP (Pharmacy Student) \$4000  
 NPT (Pharmacy Technician) \$1800

Company responsible for payment  
 Student responsible for payment

**Note: Payment must be completed before final program certificates are issued.**  
\*Note: Students may pay in installments with \$500 down-payment  
\*\*Students must notify NEO if unable to complete the program within 1 year of enrollment.

**Method of Payment**

Credit Card  
 Check or Money Order payable to Nuclear Education Online NTRACS #6680  
 Purchase Order # \_\_\_\_\_

Send invoice to:  
Company Name \_\_\_\_\_  
Company Billing Address \_\_\_\_\_  
Company Contact Name \_\_\_\_\_  
Contact Phone # \_\_\_\_\_  
Contact Email \_\_\_\_\_

**Company & Preceptor Information**

Company Name \_\_\_\_\_  
Pharmacy Name \_\_\_\_\_  
Street \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Preceptor Name \_\_\_\_\_  
Preceptor Email \_\_\_\_\_  
Preceptor Phone \_\_\_\_\_

If you do not currently have a preceptor, do you have nuclear pharmacy experience?

Rotation / internship experience  
 Shadowed / visited nuclear pharmacist  
 No experience


Email Registration form to [bserfaty@uams.edu](mailto:bserfaty@uams.edu)


Questions? Call Brigette Serfaty at 501-686-6398 or 480-544-1146 or email [BSerfaty@uams.edu](mailto:BSerfaty@uams.edu)

## Proposed Updates

- Co-brand form UNM/UAMS/NEO Logo
  - Add Enrollment Date
  - Make a PDF with selectable form fields readability
- or
- Create web-based forms for each program that send to shared email.

# Example of DOT Training for Shipping Hazardous Materials (HAZMAT) – Tabbed Info

Education ▾ Research ▾ Practice ▾ Alumni & Giving ▾ Events ▾ About ▾



## We Have Trained Thousands of Workers & Authorized Users of Radioactivity

Home ▾ Nuclear Education Online (NEO) ▾ Courses ▾ DOT Training for Shipping Hazardous Materials (HAZMAT)

### Nuclear Education Online (NEO)

- NEO Home
- About
- Courses
  - Physician Authorized User
  - Nuclear Pharmacist Authorized User
  - DOT Training for Shipping Hazardous Materials (HAZMAT)
  - Basic Radiation Safety Training
  - Nuclear Pharmacy Technician Training
- FAQ
- Contact

## DOT Training for Shipping Hazardous Materials (HAZMAT)

- Course Description
- Curriculum
- Course Support
- Pricing / Register

### Course Description

#### Training for Shippers and Transporters of Radiopharmaceuticals

NEO developed a general DOT training program as outlined in CFR Title 49. The goal of this program is to provide web-based training in the required DOT training to those working with or around radioactive materials. The online availability of this program will cover the required material, provide record keeping, and be inexpensive.

**We have two courses available to meet the radiopharmaceutical industry needs:**

- DOT Training for Highway Shippers & Transporters of Radiopharmaceuticals
- DOT Training for Air Shippers & Transporters of Radiopharmaceuticals

Users will choose from a courier module, a nuclear medicine department module or a Radiopharmacy module depending upon their job function/setting. Upon completion a pdf copy of the DOT training certificate will be generated assuming that the user has successfully passed an exam over the material.

- Course Description
- Curriculum
- Course Support
- Pricing / Register

### Curriculum

**Training Requirements Include:**

- General awareness/familiarization of radioactive material
- Function-specific training (transport/delivery and handlers)
- General safety training for radioactive materials
- Security awareness training

These courses address the Department of Transportation training requirements for those preparing radioactive materials used in research, medical diagnosis or treatment for ground and/or air shipment by motor vehicles.

- Course Description
- Curriculum
- Course Support
- Pricing / Register

### Course Support

If you have questions about the online course for Nuclear Pharmacist Authorized User, please email UNM's NEO Tech Support at [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu).

- Course Description
- Curriculum
- Course Support
- Pricing / Register

### Pricing:

Course Name	Price
DOT Training for Highway Shippers and Transporters of Radiopharmaceuticals (Single Course)	\$52
Combined DOT Air & Highway Course	\$80

**Register:**

Please [click here](#) to self-register for one of the DOT Training courses, where you will be directed to UNM's online market place. You can either register for:

- DOT Training for Highway Shippers & Transporters of Radiopharmaceuticals
- DOT Training for Air Shippers & Transporters of Radiopharmaceuticals

If your employer registered and paid for you, UNM's NEO Tech Support will email you course login information. If you've not received your login, please email us at: [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu).

**Group Enrollments:**

For group enrollments and corporate pricing call 501-686-6398 or email Brigette Serfaty at [bserfaty@uams.edu](mailto:bserfaty@uams.edu).

# Example of Basic Radiation Safety Training – Tabbed Info

**Navigation:** Education, Research, Practice, Alumni & Giving, Events, About, Search, Menu

**Hero Image:** Two workers in safety gear standing in front of a chain-link fence with a 'CAUTION RADIOACTIVE MATERIALS' sign.

## We Have Trained Thousands of Workers & Authorized Users of Radioactivity

Home > Nuclear Education Online (NEO) > Courses

### Nuclear Education Online (NEO)

- NEO Home
- About
- Courses
  - Physician Authorized User
  - Nuclear Pharmacist Authorized User
  - DOT Training for Shipping Hazardous Materials (HAZMAT)
  - Basic Radiation Safety Training
  - Nuclear Pharmacy Technician Training
- FAQ
- Contact

## Basic Radiation Safety Training

**Course Description** | Curriculum | Course Support | Pricing / Register

### Course Description

The Nuclear Education Online Basic Radiation Safety is an introductory level course in the fundamentals of radiation safety intended to meet the training requirements required of employees who receive, or might receive, a healthcare related occupational exposure while working in or near a controlled / restricted area. The course focuses on the need for every employee, both radiological workers and non-radiological workers, to play an active role in maintaining exposures to radiation and radioactive materials within regulatory (Nuclear Regulatory Commission or Agreement State) limits and in compliance with As Low As Reasonably Achievable (ALARA) principles.

This course is geared toward the nuclear pharmacy and nuclear medicine industry and uses examples from those settings. It is NOT intended to replace hands-on training in radiation safety according to the facility radioactive materials license conditions.

Course Description | **Curriculum** | Course Support | Pricing / Register

### Curriculum

This web-based, self-paced program is offered in eight modules:

- Fundamentals of Radiation and Radioactivity
- Radiation Biology
- Radiation Dose Limits and ALARA
- Personnel Monitoring
- Access Controls and Postings
- Emergency and Spill Procedures
- Contamination Control
- Employee Responsibilities

Each module consists of user-controlled slides. The user may repeat or return to any slide as often as necessary. Each module contains a self-assessment that may be repeated as needed. Successful course completion is achieved with a final exam. Certificates of completion are available upon course completion and sent to the user in pdf form.

Course Description | Curriculum | **Course Support** | Pricing / Register

### Course Support

If you have questions about course access or technical support please email UNM's NEO Tech Support at [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu).

Course Description | Curriculum | Course Support | **Pricing / Register**

### Pricing:

- Program Cost: \$52

### Register:

To register for this course please [click here](#) to purchase the course. Shortly after you will be sent an email with course instructions and login information.

### Group Enrollments:

If you're interested in group enrollment or corporate pricing please contact Brigette Serfaty at [bserfaty@uams.edu](mailto:bserfaty@uams.edu) or 501-686-6398 for pricing and additional information.

# Example of Nuclear Pharmacy Technician Training – Tabbed Info

The screenshot shows the website for Nuclear Education Online (NEO) at the College of Pharmacy. The top navigation bar includes links for Education, Research, Practice, Alumni & Giving, Events, and About. The main banner features a scientist in a lab coat and mask, with a glowing atomic model in front of them. The text on the banner reads: "NEO combines web-based curriculum with experiential training at local sites." Below the banner is a breadcrumb trail: Home > Nuclear Education Online (NEO) > Courses > Nuclear Pharmacy Technician Training. On the left is a sidebar menu for NEO, listing various courses and resources. The main content area is titled "Nuclear Pharmacy Technician Training" and has a sub-navigation bar with tabs for Course Description, Curriculum, Course Support, and Pricing/Register. The "Course Description" tab is active, showing a brief overview of the course.

Home > Nuclear Education Online (NEO) > Courses > Nuclear Pharmacy Technician Training

**Nuclear Education Online (NEO)**

- NEO Home
- About
- Courses
  - Physician Authorized User
  - Nuclear Pharmacist Authorized User
  - DOT Training for Shipping Hazardous Materials (HAZMAT)
  - Basic Radiation Safety Training
  - Nuclear Pharmacy Technician Training
- FAQ
- Contact

## Nuclear Pharmacy Technician Training

**Course Description**

This course provides the nuclear pharmacy technician with the knowledge to demonstrate drug information, follow correct procedures pertaining to the accurate calculation and measurement of prescription radiopharmaceuticals and to assist the nuclear pharmacist in administrative and customer service issues on a daily basis within the governing laws and regulations of the specific practice site.

This close-up shows the "Curriculum" tab selected in the sub-navigation bar. The text describes the program as a combination of web-based learning and hands-on experiential training at local sites, lasting a minimum of ten weeks. It lists ten topics covered in the curriculum:

### Curriculum

NEO combines the web-based curriculum with experiential training at local sites to provide students with hands-on experience. This self-study program represents a minimum of ten weeks of supervised, experiential training with an Authorized Pharmacist preceptor. Those candidates with nuclear pharmacy experience should complete the program in not less than twenty weeks. No specific schedule or curriculum is required for program completion.

1. Organization and Pharmacy Law
2. Terms and Abbreviations
3. Calculations
4. Inventory Management
5. Radiopharmaceutical Dosages
6. Radiopharmaceutical Preparations
7. Aseptic Technique
8. Record-Keeping Part I
9. Record-Keeping Part II
10. Quality Control

- How are participants registering for this?

# NEO Marketplace

[https://secure.touchnet.com/C21597\\_ustores/web/store\\_cat.jsp?STOREID=7&CATID=1&SINGLESTORE=true](https://secure.touchnet.com/C21597_ustores/web/store_cat.jsp?STOREID=7&CATID=1&SINGLESTORE=true)

[NEO] Nuclear Education Online

## Online Training

[NEO] Nuclear Education Online / Online Training

Name	Price	Actions
<b>DOT Training for Highway Shippers and Transporters of Radiopharmaceuticals (Single Course)</b>	\$52.00	<a href="#">View Details</a>
<b>Combined DOT Air &amp; Highway Course</b>	\$80.00	<a href="#">View Details</a>
<b>Radiation Safety Training</b>	\$52.00	<a href="#">View Details</a>
<b>Introduction to Nuclear Pharmacy (PHRM 721)</b>	\$900.00	<a href="#">View Details</a>

Are we still offering?

[NEO] Nuclear Education Online

## Introduction to Nuclear Pharmacy (PHRM 721)

[NEO] Nuclear Education Online / Online Training / Introduction to Nuclear Pharmacy (PHRM 721)

Introduction to Nuclear Pharmacy (PHRM 721) This overview of the specialty practice of nuclear pharmacy is offered as a professional elective for PharmD students. The course requirements are provided in the course syllabus.

Instructions and enrollment key will be emailed to you after purchased.

Price: \$900.00

Quantity:

[Add To Cart](#)

Course Introduction to Nuclear

hscmoodle.health.unm.edu/course/view.php?id=287

HSC Moodle

## Introduction to Nuclear Pharmacy

Home / My courses / Pharmacy / Students / Archives / COP - Intro Nuc Pharm

Participants

Badges

Competencies

Grades

Home

Dashboard

Calendar

Private files

My courses

COP - Curriculum Documents

COP - Faculty Resources

COP - Magna

COP - Beta Workshop

Site administration

Your progress

### Introduction to NUCLEAR Pharmacy

Announcements

**Begin Here**

- Course Syllabus (Update 2020)
- Course Syllabus

[Hidden from students](#)

Overview

Pre-Test

Learner Support

**Technical Support:**

HSC-NEOTechSupport@salud.unm.edu

**Staff Support:**

Bryan Grassel PharmD RPh ANP-NEO Program Coordinator Assistant Clinical Professor bgrassel@salud.unm.edu

Adobe Acrobat

You will need the current Adobe Acrobat Reader to access PDF files contained in this course.

You can click on the image below to download the reader.

RE: Question on Order - Re: Order Notification #597821 from [NEO] Nuclear Education Online

Serfaty, Brigette  
 To: Tabatha B McMahon; HSC-NEOTechSupport  
 Cc: Krista M Rundiks  
 Fri 4/28/2023 10:50 AM

**[-- External - this message has been sent from outside the University --]**

Tabatha

Hi. I called him also because I wanted to understand his goal. His pharmacy college will give him elective credit and they have listed the course he registered for as meeting their requirements. I think it was something that Kristina Wittstrom wrote as a potential way to funnel students toward the full NEO certificate. It hasn't been maintained and most students actually want a certificate since \$900 is quite expensive for just general knowledge.

In this case, Andrew actually wants to take the course he registered for so that he can get academic credit for it from his school because they have already approved it as meeting their elective requirements.

We can still discuss with Joe/Don/ Virginia the relative merits of updating this course. I think we should revamp the introduction and then fold it into the ANP curriculum also so the content is fresh.

Thanks,  
 Brigette

## Order Notification

This message is an automated notification that an order has been placed. If you do not wish to receive notifications, log into the Marketplace Operations Center and turn off the option on the "My Profile" page.

**Introduction to Nuclear Pharmacy (PHRM 721)**  
 Please allow 48 hours for processing (excluding weekends & holidays) Every effort will be made to give you access the same day M-F. You will receive a follow up email from [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu) with a set of instructions to access your purchases course. If you do not receive an email w/in 48 hours (excluding weekends and holidays) please contact us.

Please do not email MoodleAdmin for course specific support. They only support Moodle and not the content or programs/departments who use it and will not be able to help with a purchase questions or enrollment key.

Order:597821  
 Store:[NEO] Nuclear Education Online  
 Date/Time:April 28, 2023 at 7:50:41 AM MDT  
 Total:\$900.00

**Billed To:**  
 Andrew Hensley  
 2113 Pinebrook Dr  
 Kingsport, TN  
 37660



**Providing Valuable  
Nuclear Pharmacy  
Experience & Expertise**

Home > Nuclear Education Online (NEO) > FAQ

## Nuclear Education Online (NEO)

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## FAQ

Please browse our Frequently Asked Questions to clarify our Nuclear Education Online Course offerings. Can't find the answer you're looking for? Visit our [contact page](#) for additional resources.

<b>Purchasing Online Training</b>	<b>+</b>
<b>Employer, Corporate, &amp; Group Enrollments</b>	<b>+</b>
<b>Questions About Nuclear Pharmacy</b>	<b>+</b>

# NEO FAQ Section Examples

## Purchasing Online Training

<p><b>What NEO courses can I purchase online?</b></p>	<p>You can visit UNM's College of Pharmacy Nuclear Education Online (NEO) marketplace website by <a href="#">click here</a>. On our marketplace you will have a choice of enrolling for one of the following courses:</p> <ul style="list-style-type: none"> <li>• DOT Training for Highway Shippers and Transporters of Radiopharmaceuticals (Single Course) \$52.00</li> <li>• Combined DOT Air &amp; Highway \$80.00</li> <li>• Radiation Safety Training \$52.00</li> </ul> <p>Please visit our <a href="#">NEO Course information page</a> to learn more about each course.</p>
<p><b>How do I enroll in DOT Training for Shipping Hazardous Materials?</b></p>	<p>You may choose to enroll in the DOT Training for Highway Shippers &amp; Transporters of Radiopharmaceuticals. On this course you will select from either a Courier module, a Nuclear Medicine Department module or a Radiopharmacy module depending upon their job function/setting. A user may also choose to enroll in a combined DOT Air &amp; Highway Course.</p>
<p><b>Will I receive a certificate from completing a DOT/Radiation Training Course?</b></p>	<p>Upon completion of the DOT courses a pdf copy of the training certificate will be generated assuming that the user has successfully passed an exam over the material.</p>
<p><b>How long are DOT/Radiation certificates good for?</b></p>	<p>Radiation Safety certificates are good for 1 year, DOT Highway is good for 3 years, and DOT IATIA Air is good for 2 years.</p>
<p><b>Are DOT courses eligible for CE credits?</b></p>	<p>Only the DOT Highway Nuclear Medicine Department course is approved for 2 hours of VOICE continuing education credits.</p>

## Employer, Corporate, & Group Enrollments

<p><b>How can I get more information about corporate training?</b></p>	<p>NEO offers courses that can be branded for corporate training. Please, contact Brigette Serfaty at <a href="mailto:bserfaty@uams.edu">bserfaty@uams.edu</a> or 501-686-6398.</p>
<p><b>How do I get more information about group enrollment?</b></p>	<p>If you're interested in learning more about pricing and group enrollment for Nuclear Cardiology and Radiology Resident Programs, please contact Brigette Serfaty at <a href="mailto:bserfaty@uams.edu">bserfaty@uams.edu</a> or 501-686-6398.</p>
<p><b>My employer has requested I take the DOT courses, how do I access them?</b></p>	<p>If you have been provided access to these DOT courses by an employer or nuclear medicine-related vendor and have questions about course access, please email NEO Tech Support at <a href="mailto:HSC-NEOTechSupport@salud.unm.edu">HSC-NEOTechSupport@salud.unm.edu</a>.</p>
<p><b>My employer enrolled me in training, when should I start the course?</b></p>	<p>Pharmacist can start the classes at any time. However, we generally recommend that pharmacists new to the field of nuclear pharmacy spend 2-4 weeks working in the pharmacy prior to starting the didactic courses.</p>

## Questions About Nuclear Pharmacy

<p><b>Can you become a nuclear pharmacist without going to pharmacy school?</b></p>	<p>No, you must have a degree in pharmacy, either a B.S. or Pharm.D.</p>
<p><b>I'm interested in nuclear pharmacy, where do I start?</b></p>	<p>If you don't know much about nuclear pharmacy and have never visited one, that is where we suggest that you start. Call a local nuclear pharmacy and set up a day to visit and shadow a nuclear pharmacist. Read about Nuclear Pharmacy on the <a href="#">APhA website</a>.</p>
<p><b>Where can I find a preceptor?</b></p>	<p>Many pharmacists in the NEO program are already hired by a nuclear pharmacy company. Pharmacists can receive training to become a nuclear pharmacist independently, but they will need previous experience in a nuclear pharmacy or find a nuclear pharmacist that is willing to let you shadow or become your preceptor. You cannot start the program without at least visiting a nuclear pharmacy.</p>
<p><b>I've previously worked in nuclear pharmacy, do I need refresher training?</b></p>	<p>If it has been more than seven years since you have practiced nuclear pharmacy the NRC or Agreement State agency may require all or part of the training to be retaken. It is advised to check with your state regulatory agency for clarification on any refresher training that may be required.</p>





**Learn More About Our  
Nuclear Education  
Online Courses Today**

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## Nuclear Education Online (NEO)

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Courses

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Nuclear Pharmacist Authorized User

DOT Training for Shipping  
Hazardous Materials (HAZMAT)

Basic Radiation Safety Training

Nuclear Pharmacy Technician  
Training

FAQ

Contact

# Contact

### Technical & Course Support

Please email the NEO Tech Support team at [HSC-NEOTechSupport@salud.unm.edu](mailto:HSC-NEOTechSupport@salud.unm.edu) for any questions related to course login, password help, computer issues, or purchase and self-enrollment for DOT and Radiation Safety training.

### Enrollment & Registration

Please contact Brigette Serfaty, PharmD by email at [BSerfaty@uams.edu](mailto:BSerfaty@uams.edu) or phone at 501-686-6398 for enrollment and registration questions pertaining to pharmacist education, physician programs, group or corporate training purchases, preceptor information or additional program inquiries.

# NEO FAQ Section Examples



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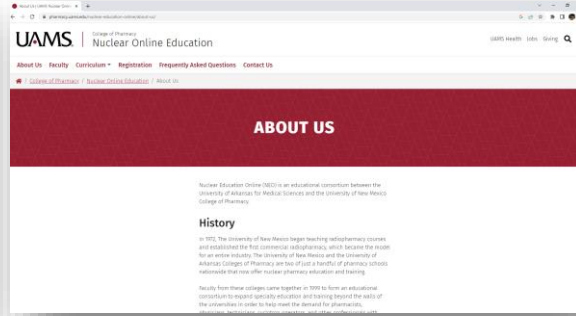
College of Pharmacy | Nuclear Education Online

### Nuclear Education Online

Nuclear Education Online (NEO) is an educational consortium between the University of Arkansas for Medical Sciences and the University of New Mexico College of Pharmacy.

About Us

Welcome to Nuclear Education Online



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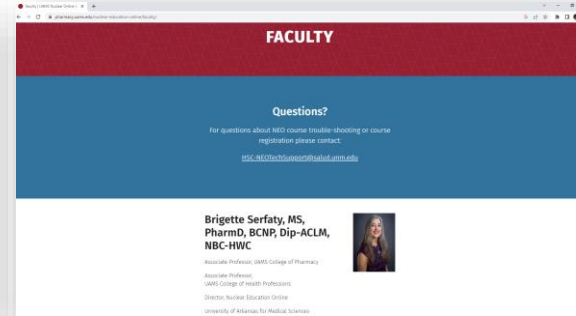
## ABOUT US

Nuclear Education Online (NEO) is an educational consortium between the University of Arkansas for Medical Sciences and the University of New Mexico College of Pharmacy.

### History

In 1975, the University of New Mexico began teaching satisfactory courses and established the Nuclear Education Online program. The program was created for an entire industry. The University of New Mexico and the University of Arkansas College of Pharmacy are one of four handfuls of pharmacy schools nationwide that now offer nuclear pharmacy education and training.

Faculty from these colleges came together in 1995 to form an educational consortium to expand satellite education and training beyond the walls of the universities in order to help meet the demand for pharmacists, physicians, technicians, and other healthcare professionals.



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## FACULTY

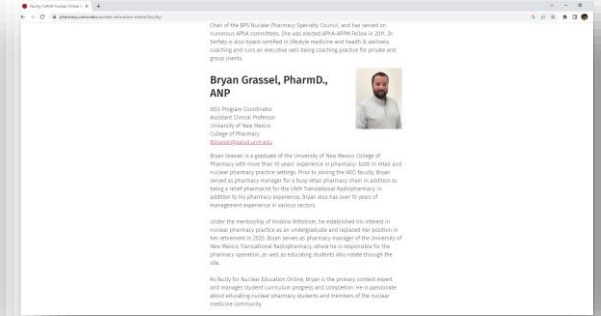

### Questions?

For questions about NEO course trouble-shooting or course registration please contact:

[NEO@TechSupport@uams.edu](mailto:NEO@TechSupport@uams.edu)

**Brigitte Serfaty, MS, PharmD, BCNP, Dip-ACLM, NBC-HWC**

Assistant Professor, UAMS College of Pharmacy  
Associate Professor, UAMS College of Health Professions  
Director, Nuclear Education Online  
University of Arkansas for Medical Sciences



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## FACULTY

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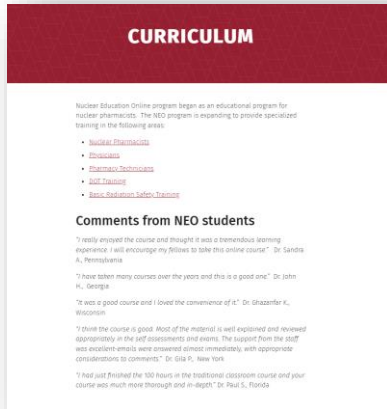

**Bryan Grassel, PharmD, ANP**

NEO Program Coordinator  
Assistant Clinical Professor  
University of New Mexico  
College of Pharmacy  
[Grassel@unm.edu](mailto:Grassel@unm.edu)

Bryan Grassel is a graduate of the University of New Mexico College of Pharmacy with more than 10 years experience in pharmacy, both in retail and nuclear pharmacy practice settings. Prior to joining the NEO faculty, Bryan served as pharmacy manager for a busy retail pharmacy chain in addition to being a staff pharmacist for the UNM Translational Radiopharmacy. In addition to his pharmacy experience, Bryan also has over 10 years of management experience in various sectors.

Under the mentorship of creative mentors, he established his interest in nuclear pharmacy practice as an undergraduate and received his doctorate in his retirement in 2021. Bryan served as pharmacy manager of the University of New Mexico Translational Radiopharmacy where he is responsible for the day-to-day pharmacy operation, as well as educating students who rotate through the site.

As faculty for Nuclear Education Online, Bryan is the primary content expert and manages student curriculum progress and completion. He is passionate about educating nuclear pharmacy students and members of the nuclear medicine community.



## CURRICULUM

Nuclear Education Online program began as an educational program for nuclear pharmacists. The NEO program is expanding to provide specialized training in the following areas:

- [Nuclear Pharmacists](#)
- [Physicians](#)
- [Pharmacy Technicians](#)
- [DOT Training](#)
- [Basic Radiation Safety Training](#)

### Comments from NEO students

"I really enjoyed the course and thought it was a tremendous learning experience. I will encourage my fellow to take this course course". Dr. Sandra A. Pennsylvania

"I have taken many courses over the years and this is a good one". Dr. John W. Georgia

"It was a good course and I loved the convenience of it". Dr. Ghazemir, Wisconsin

"I think the course is good. Most of the material is well explained and reviewed comprehensively in the self assessments and exams. The support from the staff was excellent and was answered almost immediately with appropriate considerations to comments". Dr. Gila R. New York

"I had just finished the 100 hours in the traditional classroom course and your course was much more thorough and in-depth". Dr Paul S. Florida



Physician Authorized User

## Physician Authorized User

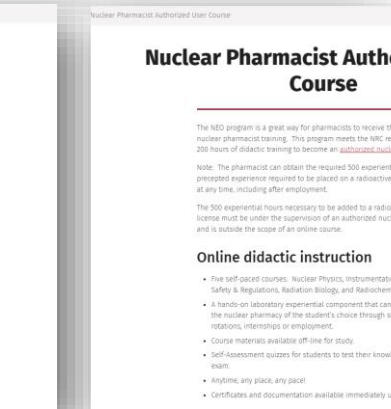
The NEO Authorized User Training for Physician program satisfies the NRC requirement for the minimum number of classroom and laboratory training of 80 hours for 25,200 & 25,396 and 200 hours for 25,399. Physicians can meet the didactic training requirements for both the NRC Authorized User License requirement or agreement state equivalent.

Note: Supervision of an authorized user physician is required to obtain the full experiential hours outside the scope of an online program. This program requires authorized user attention to basic handling in a laboratory format prior to granting of the certificate.

This is NOT the same as 100 hours supervised experience under the preceptor authorized user.

### Curriculum

NEO combines the web-based curriculum with experiential training at their local institution or nuclear pharmacy to provide students with hands-on experience.



Nuclear Pharmacist Authorized User Course

## Nuclear Pharmacist Authorized User Course

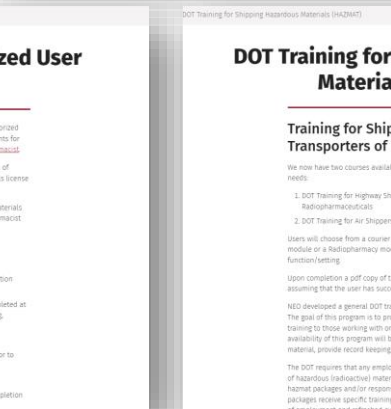
The NEO program is a great way for pharmacists to receive their authorized nuclear pharmacist training. This program meets the NRC requirements for 200 hours of didactic training to become an [authorized nuclear pharmacist](#).

Note: The pharmacist can obtain the required 300 experiential hours of required experience required to be placed on a radioactive materials license at any time, including after employment.

The 300 experiential hours necessary to be added to a radioactive materials license must be under the supervision of an authorized nuclear pharmacist and is outside the scope of an online course.

### Online didactic instruction

- Five self-paced courses: Nuclear Physics, Instrumentation, Radiation Safety & Regulations, Radiation Biology, and Radiochemistry.
- A hands-on laboratory experiential component that can be completed at the nuclear pharmacy of the student's choice through shadowing, rotations, internships or employment.
- Course materials available off-line for study.
- Self-Assessment quizzes for students to test their knowledge prior to exams.
- Asynchronous, any place, any pace!
- Certificates and documentation available immediately upon completion.



DOT Training for Shipping Hazardous Materials (HAZMAT)

## DOT Training for Shipping Hazardous Materials (HAZMAT)

### Training for Shippers and Transporters of Radiopharmaceuticals

We now have two courses available to meet the radiopharmaceutical industry needs:

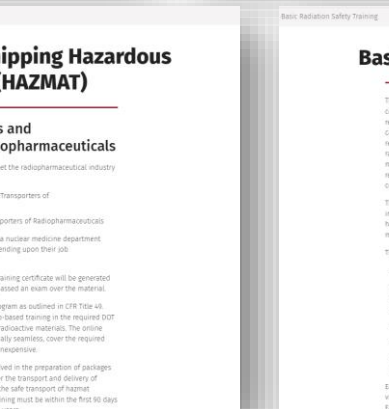
- DOT Training for Highway Shippers & Transporters of Radiopharmaceuticals
- DOT Training for Air Shippers & Transporters of Radiopharmaceuticals

Users will choose from a courier module, a nuclear medicine department module or a radiopharmacy module depending upon their job function/setting.

Upon completion a pdf copy of the DOT training certificate will be generated assuming that the user has successfully passed an exam over the material.

NEO developed a general DOT training program as outlined in CFR Title 49. The goal of this program is to provide web-based training in the required DOT training to those working with or around radioactive materials. The online availability of this program will be essentially seamless, cover the required material, provide record keeping and be impressive.

The DOT requires that any employee involved in the preparation of packages of hazardous (radioactive) material and/or for the transport and delivery of hazmat packages and/or responsible for the safe transport of hazmat packages receive specific training. The training must be within the first 90 days of employment and refreshed every three years.



Basic Radiation Safety Training

## Basic Radiation Safety Training

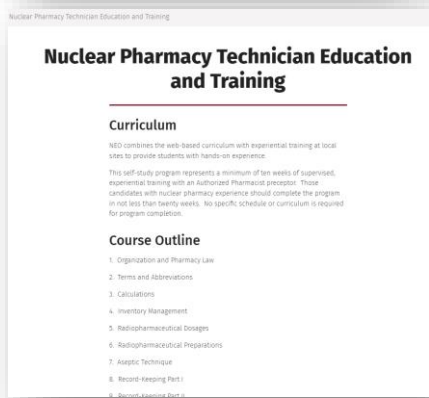
The Nuclear Education Online Basic Radiation Safety is an introductory level course in the fundamentals of radiation safety intended to meet the training requirements required of employees who receive, or might receive, a health-care related occupational exposure while working in or near a controlled / restricted area. The course focuses on the need for every employee, both radiological workers and non-radiological workers, to play an active role in maintaining exposures to radiation and radioactive materials within regulatory (Nuclear Regulatory Commission or Agreement States) limits and in compliance with As Low As Reasonably Achievable (ALARA) principles.

This course is geared toward the nuclear pharmacy and nuclear medicine industry and uses examples from those settings. It is NOT intended to replace hands-on training in radiation safety according to the facility radioactive materials license conditions.

This web-based, self-paced program is offered in eight modules:

- Fundamentals of Radiation and Radioactivity
- Radiation Biology
- Radiation Dose Limits and ALARA
- Personnel Monitoring
- Access Controls and Postings
- Emergency and Spill Procedures
- Contamination Control
- Employer Responsibilities

Each module consists of user controlled slides with or without audio voiceover. The user may repeat or return to any slide as often as necessary. Each module contains a self-assessment that may be repeated as needed.



Nuclear Pharmacy Technician Education and Training

## Nuclear Pharmacy Technician Education and Training


### Curriculum

NEO combines the web-based curriculum with experiential training at local sites to provide students with hands-on experience.

This self-study program represents a minimum of ten weeks of supervised, experiential training with an Authorized Pharmacist preceptor. Those candidates with nuclear pharmacy experience should complete the program in not less than twenty weeks. No specific schedule or curriculum is required for program completion.

### Course Outline

- Organization and Pharmacy Law
- Terms and Abbreviations
- Calculations
- Inventory Management
- Radiopharmaceutical Dosages
- Radiopharmaceutical Preparations
- Aspic Technique
- Record-Keeping Part I
- Record-Keeping Part II



## REGISTRATION

### How to Register

The Nuclear Education Online Training Program is designed to fit your busy schedule. As a Nuclear Education Online student, you can access your courses using an internet connection, anytime, anywhere, and you can begin your courses at any time. This flexibility combined with our support services and online resources will help you meet your career development goals.

[Physicians / Follow Enrollment Form](#)

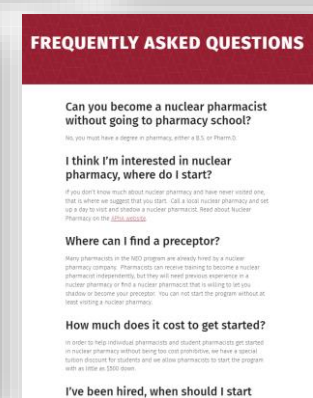
[Pharmacists / Pharmacy Student / Technician Enrollment Form](#)

[Pharmacy Student Course Information](#)

People interested in group enrollment in the Nuclear Cardiology and Radiology Resident Programs should contact Brigitte Serfaty at [bserfat@uams.edu](mailto:bserfat@uams.edu) or [501-686-5300](tel:501-686-5300) for pricing and additional information.



UAMS | College of Pharmacy  
4301 West Markham Street, Little Rock, AR 72205  
Phone: 501.686.6288



## FREQUENTLY ASKED QUESTIONS

### Can you become a nuclear pharmacist without going to pharmacy school?

No, you must have a degree in pharmacy either a B.S. or Pharm.D.

### I think I'm interested in nuclear pharmacy, where do I start?

If you don't know much about nuclear pharmacy and have never visited one, that is where we suggest that you start. Call a local nuclear pharmacy and ask to be allowed to visit and observe a nuclear pharmacist. Read about nuclear pharmacy on the [NEO website](#).

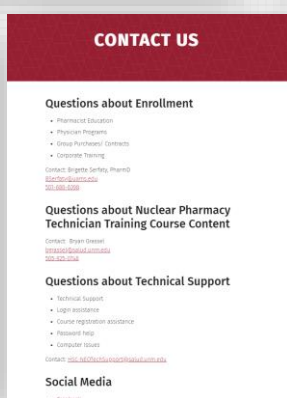
### Where can I find a preceptor?

Many pharmacists in the NEO program are already hired by a nuclear pharmacy company. Pharmacists can receive training to become a nuclear pharmacist independently but they will need previous experience in a nuclear pharmacy or be a nuclear pharmacist that is willing to act as a preceptor to become a nuclear pharmacist. You can not start the program without at least visiting a nuclear pharmacy.

### How much does it cost to get started?

In order to help nuclear pharmacists and other pharmacists get started in nuclear pharmacy without being too cost prohibitive, we have a special tuition discount for students and we allow pharmacists to start the program with as little as \$300 down.

### I've been hired, when should I start



## CONTACT US

### Questions about Enrollment

- Pharmacy Education
- Physician Programs
- Group Purchasing Contracts
- Corporate Training

Contact: Brigitte Serfaty, PharmD  
[bserfat@uams.edu](mailto:bserfat@uams.edu)  
[501-686-5300](tel:501-686-5300)

### Questions about Nuclear Pharmacy Technician Training Course Content

Contact: Bryan Grassel  
[Grassel@unm.edu](mailto:Grassel@unm.edu)  
[505-274-2444](tel:505-274-2444)

### Questions about Technical Support

- Technical Support
- UAMS assistance
- Course registration assistance
- Passport help
- Computer issues

Contact: [NEO@TechSupport@uams.edu](mailto:NEO@TechSupport@uams.edu)

### Social Media

- Facebook