



Guthrie Scholars Premedical Internship

Program Description – Part I Opportunities at the Guthrie Clinic and Robert Packer Hospital

INTRODUCTION TO GUTHRIE AND ROBERT PACKER HOSPITAL

Guthrie is a healthcare organization serving the Southern Tier of NY and Northern Tier of PA. It runs the Guthrie Medical Group, four hospitals, including Robert Packer Hospital, over twenty clinics, and several other assets that are crucial to the delivery of healthcare to the region.



The Guthrie Scholars Premedical Internship takes place in-residence for one academic semester at the Guthrie Clinic and Robert Packer Hospital campus (about 40 miles west of Binghamton University), located in Sayre, PA. The facility is a 254-bed teaching hospital with a Level II Trauma center, a brand new Intensive Care Unit, a clinical skills lab, and a full range of other diagnostic, medical, and surgical services.

- Guthrie: <http://www.guthrie.org/content/about-us>
- Robert Packer Hospital: <http://www.guthrie.org/location/robert-packer-hospital>

CLINICAL OBSERVATION (required):

While completing their semester on the Guthrie Campus, Scholars will complete clinical observations, as well as a Clinical Research Project. Some of the areas in which the Scholars may observe are:

- Operating Room Orientation
- Internal Medicine Residents
- Nephrology
- Endocrinology
- Hematology/Oncology
- Gastroenterology
- Radiology (Ultrasound, MRI, Nuclear Medicine)
- Radiation Oncology
- General Surgery Residents
- Orthopedics
- Occupational Medicine
- Pediatrics
- Family Medicine Residents
- Cardiology
- Emergency Medicine
- Environmental Services
- Stat MedaVac- Flight
- Greater Valley EMS
- Safety and Security
- Physical Therapy/Occupational Therapy
- Respiratory Therapy
- Ob/Gyn-Clinic and Hospital
- Behavioral Science Unit

RESEARCH (required)

Each Scholar is required to conduct a research project with the option of creating his or her own research project or continuing a project that has been started, but that requires additional research.

At the conclusion of the semester, each Scholar is required to provide a formal written research project report and a 20-30 minute Power Point presentation on his/her research topic.



MEDICAL TERMINOLOGY COURSE or TERMINOLOGY INDEPENDENT STUDY (required)

The Medical Terminology course is a 14-lesson course, which includes a workbook, videos, worksheets, and homework. An independent study alternative to the formal course is also available. Scholars should inquiries to their Guthrie advisor.

SKILLS LAB – OPERATING ROOM (required)

The Skills Lab provides an appropriate setting outside the operating room for residents, students, and physicians to gain proficiency with, or brush up on, a variety of techniques. This represents a departure from traditional “see one, do one, teach one” methodology, instead offering hands-on training prior to a patient encounter. The Skills Lab hosts lectures, laboratory sessions, and scheduled training.

- Five dedicated rooms: three training rooms equipped and staged appropriately to the skill being practiced; one lecture space; and an office.
- Equipment, such as the Stryker endoscopic video system, anesthesia machine, Valley Lab cautery machine, and other technologies decommissioned by the hospital
- Expired items like central line kits and sterile supplies are also utilized during training



GUTHRIE AIR (contingent on demand for flights)

Guthrie Air, the critical-care helicopter program based at Robert Packer Hospital, provides quality emergency medical care and transports critically ill and injured patients in accordance with the regulations of the Pennsylvania and New York Department of Health. The hanger and crew quarters

are located less than a mile from the hospital. The aircraft is medically configured with sophisticated on board equipment to provide specialized airway support, cardiac pacing, and advanced physiologic patient monitoring, and expanded pharmacologic modalities. The cabin area has LOX, is air conditioned and has two aft facing seats for the med crew. There are special mounts for the monitors and a third; forward-facing seat can be added for training new orientees. Like the BK117, the patient is loaded from the rear through “clam shell” doors.



Wellsboro Rotation (optional – contingent on student interest)

Each scholar will optionally complete a one-week clinical observation in the Wellsboro Guthrie Clinic, which includes physicians and providers in Family Medicine. The family physicians and providers in the Guthrie Wellsboro, PA, office are dedicated to providing patients with the best in personalized primary care services. Guthrie family physicians provide comprehensive services, including women's health, newborn and well-child care, pediatrics and adult/geriatric care.



Guthrie's Wellsboro, PA, office also offers appointments with physician specialists in the following areas:

- Audiology
- Cardiology
- Endocrinology
- Hematology & Medical Oncology
- Ear, Nose and Throat
- Orthopedics
- Vascular Surgery



During the Wellsboro Rotation, Scholars will be housed by the Area Health Education Center (AHEC) in Wellsboro, PA.

RESEARCH PRESENTATION and RECOGNITION

At the conclusion of the semester, each Scholar is required to present a 20-30 minute Power Point presentation at Guthrie on his/her research topic. A recognition luncheon accompanies the research presentation. At the conclusion of all presentations, Scholars are presented a certificate of completion for the program.

HOUSING AND MEALS

Guthrie Interns are provided with **free room and board on the hospital campus**; housing, meals, and access to Guthrie's 24/7 fitness center are all at no cost to the students.

- **Guthrie Housing:** Free housing is provided in a college-style double room (2 beds) equipped with a kitchen and private bath at Guthrie - Robert Packer Hospital.
- **Binghamton University Housing:** Students may keep their Binghamton University housing (all costs apply) or live at Guthrie all week long for the entire semester.
- **Meal Plans:** All meals for the week are provided free of charge at Guthrie. Students keeping their Binghamton University on-campus housing during their time at Guthrie have several options regarding meal plans:
 - Students residing off-campus, or in the Hillside or Susquehanna Communities are not required to purchase a meal plan. **However, all others residing in Binghamton University housing are required to purchase a meal plan, including Guthrie Scholars.**
 - The meal plan can be any of the typical resident meal plans or the smaller Commuter Plan. Note that the Commuter Plan is not typically available to others living on-campus (except in Hillside or Susquehanna). However, those in the Guthrie Scholars Premedical Internship Program may purchase any meal plan, including the Commuter Plan.
 - Meal plan rollovers: Guthrie Scholars may roll over any unused portion of their meal plan to the following semester/academic year, as long as a meal plan is purchased the subsequent semester/year. This applies even if a student moves off campus and purchases a Commuter Meal Plan.

Immediately Upon Acceptance to the Guthrie Internship Program, you must **e-mail Professor Ziegler with your choice of Binghamton University meal plans for your semester at Guthrie**. Some meal plans require special permission and can only be authorized by Professor Ziegler

CLUB GUTHRIE

Club Guthrie is an employee/student fitness center located on the first floor of the School of Nursing on Wilbur Avenue in Sayre, PA. It is open to all employees/students of Guthrie Healthcare System, Guthrie Clinic and all entities and Regional Offices. The facility includes two Tectrix exercycles and stair steppers and two PreCor treadmills and Elliptical cross trainers. A Hoist multi-gym and a free weight area are also located in Club Guthrie. The weight area includes free weights ranging from five to 50 pounds. Club Guthrie is open 24 hours a day, seven days a week, but an identification card is needed for entry. There are showers available for employees/students to use after using Club Guthrie. These showers are located, from Club Guthrie, up two flights of stairs, halfway down the hall--Men's on the left and Women's on the right.

COST

There are no costs associated with the Guthrie Scholars Premedical Internship other than regular tuition and fees typically paid for a full time student at Binghamton University. Housing at Guthrie, meals, books, all course materials, and access to Club Guthrie are all provided by Guthrie at no cost to students. Please note that this educational opportunity is considered an unpaid internship and no stipend or salary will be provided.