

## General Information

The Physical Therapist Assistant (PTA) associate degree program prepares students to help a variety of people in diverse settings. PTAs assist people of all ages with various movement disorders to become independent in their day-to-day functions. Physical therapy is a hands-on career, which literally involves working to change people's lives for the better. Because every client has a unique set of circumstances, PTAs help to carry out a unique treatment plan for each one, under the direction and supervision of a physical therapist.

As a PTA, graduates can work in traditional medical environments or in settings where people need to learn new ways to prevent injury or to promote health, wellness, and fitness. In the field, the PTA is supervised by a licensed physical therapist (PT). The PTA works with individual clients or groups under the direction of a PT. In the associate degree program, students learn to act as part of the rehabilitation team, collecting data to determine the effectiveness of patient interventions, carrying out selected physical therapy interventions outlined in the PT treatment plans, using technology to help people overcome disabilities, and designing activities to help people reach their goals.

After completion of all classroom training on campus and Level I Clinical Education off campus, students enter the community for Level II Clinical Education. The two Level II Clinical Education experiences give students many opportunities to apply classroom training to real-life situations. Upon successful completion of all degree requirements, students will be eligible to sit for the National Physical Therapy Examination for Physical Therapist Assistants. Employment is available in a wide variety of settings in the areas of physical disabilities, pediatrics, and geriatrics, as well as in athletic facilities and wellness programs. In addition, after completing certain prerequisites\*, graduates of this program are eligible to continue on for a Bachelor of Science Degree in Rehabilitation Sciences or Business Management with a Healthcare Management/Respiratory Care (MGTH) concentration.

## ACCREDITATION STATUS



The Physical Therapist Assistant Program at New England Institute of Technology is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association, 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone: (703) 706-3245; email:

[accreditation@apta.org](mailto:accreditation@apta.org); website: <http://www.capteonline.org>. If

needing to contact the program/institution directly, please call (401) 739-5000 x3507 or email [lminer@neit.edu](mailto:lminer@neit.edu).

*The program has determined that its curriculum meets the state educational requirements for licensure or certification in all states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands secondary to its accreditation by the Commission on Accreditation in Physical Therapy Education, based on the following:*

*CAPTE accreditation of a physical therapist or physical therapist assistant program satisfies state educational requirements in all states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. Thus, students graduating from CAPTE-accredited physical therapist and physical therapist assistant education programs are eligible to take the National Physical Therapy Examination and apply for licensure in all states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. For more information regarding state qualifications and licensure requirements, refer to the Federation of State Boards of Physical Therapy website at [www.fsbpt.org](http://www.fsbpt.org).*

## **Program Mission, Goals and Outcomes**

### **Program Mission**

The mission of the NEIT Physical Therapist Assistant (PTA) program is to provide a specialized associate degree program to prepare graduates who will be effective in their roles as assistants to physical therapists in the contemporary practice of physical therapy and eager to continue their professional education. Through a combination of classroom, laboratory and clinical education experiences, the program emphasizes hands-on application of knowledge to the provision of physical therapy services to all individuals who strive to live productive lives.

### **Program Goals**

1. To provide appropriate learning opportunities that match current practice standards to meet the diverse learning needs of adult learners to acquire the theoretical knowledge, applicable skills and attitude necessary to function as an entry-level physical therapist assistant.
2. To prepare students to become competent, licensed entry-level physical therapist assistants with the minimum requirements necessary to qualify for the national licensure examination.
3. To instill in the student a sense of commitment to the physical therapy profession's core values and ethics and help students explore various aspects of physical therapy to identify and develop career paths of interest.

### **Program Outcomes**

The graduate will:

1. Function as a member of the healthcare delivery team to optimize patient outcomes.
2. Provide patient-centered care across the lifespan, as directed in the plan of care established by the physical therapist, to minimize risk to patients/clients, self and others.
3. Communicate effectively all written and oral expression of ideas and learned concepts.
4. Employ skills in problem solving, and thinking logically, flexibly, and critically.
5. Demonstrate values, ethics and standards of practice for physical therapy while respecting the value of all people and dealing with social problems and responsibilities as members of society and the physical therapy profession.
6. Display a commitment to professional development and life-long learning by integrating informational resources and relevant physical therapy literature.

### Curriculum

Term I					
Course No.		Course Title	C	L	T
PTA	102	Introduction to Kinesiology	0	2	1
PTA	111	Foundations of Physical Therapy	4	0	4
PTA	112	Foundations of Physical Therapy Lab	0	4	2
BIO	100	Anatomy and Physiology I (MA/SCI Core)	4	0	4
BIO	101	Anatomy and Physiology I Lab (MA/SCI Core)	0	4	2
AHS	110	Applied Medical Terminology	0	2	1
MA	100/ 110	Introduction to College Math (MA/SCI Core)	4	0	4
			12	12	18

Term II					
Course No.		Course Title	C	L	T
PTA	123	Data Collection Skills	1	4	3
PTA	124	Clinical Kinesiology	2	0	2
PTA	125	Clinical Kinesiology Lab	0	4	2
BIO	120	Anatomy and Physiology II (MA/SCI Core)	4	0	4
BIO	121	Anatomy and Physiology II Lab (MA/SCI Core)	0	4	2
PHY	126	Applied Physics & Lab (MA/SCI Core)	3	2	4
			10	14	17

Term III					
Course No.		Course Title	C	L	T
PTA	138	Physical Agents & Lab	2	4	4
PTA	139	Advanced Data Collection Skills	0	4	2
PTA	142	Principles of Musculoskeletal Physical Therapy Intervention & Lab	2	4	4
PTA	143	Pathophysiology for the PTA	1	2	2
PTA	144	Clinical Education Seminar and Service Learning	0	6	2
EN	100	Introduction to College Writing (COM Core)	4	0	4
			9	20	18

Term IV					
Course No.		Course Title	C	L	T
PTA	237	Level I Clinical Education	0	6	2
PTA	240	Principles of Neuromuscular Physical Therapy Intervention and Lab	4	4	6
PTA	242	Principles of Cardiopulmonary Physical Therapy Intervention and Lab	4	4	6
PS	201	Introduction to Psychology (SS Core)	4	0	4
			12	14	18

Term V					
Course No.		Course Title	C	L	T
PTA	253	Practice Issues for the Physical Therapist Assistant	2	4	4
PTA	258	Level II Clinical Education A	0	24	8
			2	28	12

Term VI					
Course No.		Course Title	C	L	T
PTA	260	Senior Capstone	2	4	4
PTA	268	Level II Clinical Education B	0	24	8
			2	28	12

Intersession (This will vary depending on the start date)					
Course No.		Course Title	C	L	T
<i>ELECTIVE</i>		<i>100-200 Level Humanities (or Arts/Foreign Language) Core</i>	4	0	4
EN	110	<i>Healthcare Communications (COM Core)</i>	4	0	4
			8	0	8
<i>Total Quarter Credit Hours = 103</i>					

**Legend**

C = Number of lecture hours per week

L = Number of laboratory hours per week

T = Total Quarter Credit Hours where each lecture hour per week is one credit, every 2-4 laboratory hours are one credit depending on the expected amount of pre- or post-lab work.

\*\* 3 Clinical Education Hours =1 Quarter Credit Hour

Level 1 Clinical Education offered in Term 4 for a total of 60 hours. The first Level II Clinical Education begins in Term 5 during the 5<sup>th</sup> week of the term. The second Level II Clinical Education begins in Term 6. Each Clinical Education experience includes full-time placement in a facility for 6 weeks for each placement; for a total of 12 weeks.

*PLEASE NOTE: All liberal arts core courses are listed in italics.*

All associate degree students are required to take 32 credits of liberal arts and math/science courses as selected from the liberal arts core. See the course descriptions section of this catalog for a list of the core area courses. Students who place out of MA 100/110 must still take 32 credits of core courses.

\*Students considering a Bachelor of Science Degree in Rehabilitation Sciences are encouraged to take Technical Math I (MA 125) or its equivalent either during their associate degree program or during a prerequisite term. See your student advisor to schedule this course.

PLEASE NOTE: Students in the Physical Therapist Assistant program must achieve a grade of C+ or better in all required PTA, BIO, and AHS courses, a grade of C or better in all liberal arts courses, and a cumulative grade point average of at least 2.33 throughout the program in order to be in good standing.

Subject to change.

### **Liberal Arts Core Electives**

All programs must meet certain minimum requirements in both the major and in the liberal arts. Course requirements for each program are listed in each curriculum along with liberal arts selections. Courses listed as “Core Electives” in a curriculum can be chosen by students from one of the several core areas listed below. Each core area provides a variety of courses for student choice. Students must take a minimum of 32 credits in core electives for the associate degree and an additional minimum of 28 credits for the bachelor’s degree. Individual majors have specific requirements and may require more than the minimum number of liberal arts credits or may specify certain courses in a particular core area. All liberal arts core elective courses are 4 credits. Please refer to the curriculum of the major for specific requirements.

### **Associate Degree Core Elective Areas<sup>1</sup>**

**To obtain a minimum of 8 courses (32 credits), students may choose from the following course selections:**

- 2 courses (minimum) from the Communications Core**
- 2 courses (minimum) from the Math/Science Core**
- 1-2 courses from the Humanities Core OR**
  - 1 course from the Humanities Core AND/OR**
  - 1 course from the Arts/Foreign Language Core**
- 1-2 courses from the Social Sciences Core**

### **Associate Degree Courses by Core<sup>1</sup>**

#### **Communications Core Electives (Minimum 8 Credits)**

EN 100 Introduction to College Writing  
EN 106 Service Industry Communications  
EN 110 Healthcare Communications  
EN 200 Workplace Communications  
EN 211 Oral Communications  
HU 208 Rap/Rock and Poetry

#### **Math/Science Core Electives (Minimum 8 Credits)**

CHM 101 Life Science Chemistry  
MA 100 Introduction to College Math with Lab  
MA 105 Basic College Math with Lab  
MA 110 Introduction to College Math  
MA 109 Math for Life Science  
MA 121 Business Math  
MA 125 Technical Math I  
MA 200 Applied Math for Business  
MA 210 Technical Math II  
PHY 126 Applied Physics & Lab  
PHY 200 Physics I and Lab  
SCI 110 Environmental Science

#### **Arts/Foreign Language Core Electives (Maximum of 4 Credits in Place of a Humanities Course)**

AR 203 Introduction to Drawing  
AR 206 3D Sculpture: An Adventure in the Third Dimension  
AR 207 Introduction to Applied Music  
AR 209 The Art of Collage  
JP 201 Introduction to Japanese

SP 201 Introduction to Spanish  
SP 203 Spanish for Healthcare Workers

**Humanities Core Electives (Minimum 4 Credits)**

HU 208 Rap/Rock and Poetry  
HU 211 Introduction to Film  
HU 212 Documentary Film  
HU 215 Popular Culture  
HU 216 Music and the Media  
HU 240 Graphic Design in the 20<sup>th</sup> Century  
HU 242 The Automobile and American Culture  
HU 244 Science Fiction  
HU 289 Racing Through Film  
HU 291 Critical Thinking and Chess

**Social Sciences Core Electives (Minimum 4 Credits)**

BU 236 Small Business and the Law  
E 203 Principles of Economics  
HI 231 Contemporary History  
HI 235 Architectural History  
HI 280 The Holocaust  
PS 140 Life-Span Development  
PS 201 Introduction to Psychology  
PS 202 Psychology of Healthcare  
PS 203 Psychology of Happiness  
PS 210 Human Relations in the Workplace  
SO 203 Social Problems  
SO 220 Internet and Society  
SO 231 Crime and Deviance  
SS 140 Criminal Investigations  
SS 201 American Government in Action  
SS 203 Terrorism & National Security  
SS 204 Juvenile Justice System in America  
SS 221 Technology and American Life  
SS 222 Mindful Living

1. Subject to Change

## Degree Progress Checklist

Check off each completed course.

### Program Requirements

T1	PTA	102	_____
	PTA	111	_____
	PTA	112	_____

T2	PTA	123	_____
	PTA	124	_____
	PTA	125	_____

T3	PTA	138	_____
	PTA	139	_____
	PTA	142	_____
	PTA	143	_____
	PTA	144	_____

T4	PTA	237	_____
	PTA	240	_____
	PTA	242	_____

T5	PTA	253	_____
	PTA	258	_____

T6	PTA	260	_____
	PTA	268	_____

Students are advised to take courses in the order and in the term in which they appear on this checklist. Any deviation may result in an extended time required to complete your degree as well as additional tuition and fees. Please contact your Student Advisor prior to making any changes to the course sequence.

### Liberal Arts Core Requirements\*

#### 8 Required Courses

Each course = 1-4 credits (total of 37 credits)

Communications Core			
#1	EN 100	T3/Intersession	_____
#2	EN 110	Intersession/T3	_____

Math/Science Core			
#3	MA 100/110	T1	_____
#4	BIO 100	T1	_____
#5	BIO 101	T1	_____
#6	AHS 110	T1	_____
#7	BIO 120	T2	_____
#8	BIO 121	T2	_____
#9	PHY 126	T2	_____

Humanities Core**			
#10	100-200 level HU elective	Intersession	_____

\*\*You may use one Arts/Foreign Language Core Elective to fulfill your Humanities Core.

Social Sciences Core			
#11	PS 201	T4	_____

**Subject to change.**

**Please see your advisor for any questions.**

**\*PLEASE NOTE:** All liberal arts courses must be taken before the start of Term 5.



## Course Descriptions

### **PTA 102 Introduction to Kinesiology**

*2 Lab Hours 1 Quarter Credit Hour*

Students will learn musculoskeletal anatomy and developmental milestones and reflexes and a basic understanding of normal movement and kinesiology.

### **PTA 111 Foundations of Physical Therapy**

*4 Class Hours 4 Quarter Credit Hours*

This course focuses on the principles and philosophies that guide the profession of physical therapy. Disablement Models and the Guide to Physical Therapist Practice will be studied as the paradigms for physical therapy. This course establishes the foundation of knowledge for the physical therapist assistant.

### **PTA 112 Foundations of Physical Therapy Lab**

*4 Lab Hours 2 Quarter Credit Hours*

The focus of this course is on using hands-on experiences to understand human movement and the language and concepts of the profession. Physical therapy skills covered include body mechanics, bed mobility and positioning, transfer training, basic gait training, range of motion exercises, physical therapy documentation, and communication with patients.

### **PTA 123 Data Collection Skills**

*1 Class Hour 4 Lab Hours 3 Quarter Credit Hours*

*Prerequisites: AHS 110, PTA 102, PTA 111/112, MA 100/110, BIO 100/101*

Content includes current tests and measures from the Guide to Physical Therapist Practice. Emphasis is placed on a lifespan approach. Students will learn to interview patients/clients and caregivers, use the International Classification of Functioning, Disability and Health (ICF), and complete documentation of their findings that follows contemporary standards.

### **PTA 124 Clinical Kinesiology**

*2 Class Hours 2 Quarter Credit Hours*

*Prerequisites: AHS 110, PTA 102, PTA 111/112, BIO 100/101*

This course is designed to explore the concepts of clinical kinesiology in relation to normal and abnormal movement patterns. Through the use of various teaching methods, students will also learn functional anatomy, clinical application of kinesiology concepts as well as motion analysis of the human body.

### **PTA 125 Clinical Kinesiology Lab**

*4 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: AHS 110, PTA 102, PTA 111/112, BIO 100/101*

This lab is offered concurrently with PTA 124 as the practical applications course for the exploration of normal and abnormal movement patterns, palpation of anatomical structures, and analysis of functional movement.

### **PTA 138 Physical Agents & Lab**

*2 Class Hours 4 Lab Hours 4 Quarter Credit Hours*

*Prerequisites: PHY 126, PTA 123, PTA 124/125, BIO 120/121*

Content focuses on the treatment plan and treatment interventions for modalities and soft tissue mobilization. Students develop knowledge of the physiological effects, indications, contraindications, and precautions of physical therapy interventions such as deep heat, cold, ultrasound, electrotherapeutic modalities, and whirlpool. Lab content focuses on modalities and soft tissue mobilization. Students develop the skills necessary to safely apply the physical therapy interventions such as deep heat, cold, ultrasound, electrotherapeutic modalities, and whirlpool.



**PTA 139 Advanced Data Collection Skills**

*4 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: PHY 126, PTA 123, PTA 124/125, BIO 120/121*

Students will engage in physical therapy documentation and procedures including goniometry and manual muscle testing. Statistics and journal article critique will be covered.

**PTA 142 Principles of Musculoskeletal Physical Therapy Intervention and Lab**

*2 Class Hours 4 Lab Hours 4 Quarter Credit Hours*

*Prerequisites: PHY 126, PTA 123, PTA 124/125, BIO 120/121*

This course will explore musculoskeletal physical therapy procedures across the lifespan. The symptoms and characteristics of common musculoskeletal conditions from infancy to adolescence to later adulthood will be presented. Physical therapy practice models and interventions for the musculoskeletal practice area will be described and applied through case studies. The importance of addressing patient cultural issues as a component of the holistic approach of physical therapy will be reinforced. Gait, locomotion, and balance impairments associated with amputation will be covered. The primary focus of the lab experience will be musculoskeletal physical therapy interventions including orthotic and prosthetic intervention. Students will also have the opportunity to integrate concepts learned in Data Collection Skills with selected interventions common to musculoskeletal practice.

**PTA 143 Pathophysiology for the PTA**

*1 Class Hour 2 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: BIO 120/121*

This course will cover the process of disease and its effects on the body and the responses of cells, tissues, and organ systems to these disorders. General phenomena such as inflammation, immune response, and carcinogenesis will be considered as well as a survey of disorders common to the clinical setting characteristic of the various organ systems using a system-by-system approach.

**PTA 144 Clinical Education Seminar and Service Learning**

*6 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: PHY 126, PTA 123, PTA 124/125, BIO 120/121 and American Heart Association CPR certification for Health Care Providers and completed medical requirements.*

This course offers students the opportunity to integrate academic learning at clinical settings under the supervision of faculty. Students will experience direct contact with individuals involved in various service delivery systems to enhance their communication, team-building and problem-solving skills. Clinical experiences are processed in the seminar which focuses on documentation, reimbursement, PT/PTA relationship, APTA's Standards of Ethical Conduct, inter-professional education, and patient-centered care.

**PTA 237 Level I Clinical Education**

*6 Clinical Lab Hours 2 Quarter Credit Hours*

*Prerequisites: PTA 138, PTA 139, PTA 142, PTA 143, PTA 144, EN 100*

Level I Clinical Education offers students direct experience in a clinical practice setting. Through observation and selected participation, students will begin to integrate academic coursework, creating an opportunity for professional growth and development. An alternate practice environment will be provided to allow students direct experience in a cardiopulmonary system or neuromuscular system treatment setting.

**PTA 240 Principles of Neuromuscular Physical Therapy Intervention and Lab**

*4 Class Hours 4 Lab Hours 6 Quarter Credit Hours*

*Prerequisites: PTA 138, PTA 139, PTA 142, PTA 143, PTA 144, EN 100*

This course introduces students to physical therapy treatment intervention in the area of neuromuscular disorders including central nervous system disorders and peripheral nerve injury. Students will explore various tests, measures, and interventions used by the physical therapist assistant in neuromuscular practice; normal human development in relationship to environment and culture; and, intervention for the pediatric and geriatric population. The importance of addressing patient cultural issues will be reinforced in coursework and in the concurrent lab. The various environments in which neuromuscular physical therapists practice with children, adults, and older adults will be explored. Students will look at the physical roles of normal as well as developmentally disabled persons from infancy to adolescence to later adulthood including the use of adaptive equipment and splinting.

**PTA 242 Principles of Cardiopulmonary Physical Therapy Intervention and Lab**

*4 Class Hours 4 Lab Hours 6 Quarter Credit Hours*

*Prerequisites: PTA 138, PTA 139, PTA 142, PTA 143, PTA 144, EN 100*

Students will learn therapeutic interventions aimed at both prevention of dysfunction and restoration of patients with cardiopulmonary disorders. Students will study treatment interventions, adaptive techniques, and environmental technology utilized to remediate dysfunction and maximize independence. Bariatrics and lymphatic system disorders are included. Students will discuss cultural issues and professional ethics as they relate to this patient population. In the lab portion of the course, students will participate in data collection, treatment planning, and implementation of physical therapy interventions related to the cardiopulmonary system. Integumentary system disorders and treatment interventions will be covered.

**PTA 253 Practice Issues for the Physical Therapist Assistant**

*2 Class Hours 4 Lab Hours 4 Quarter Credit Hours (Meets the first 4 weeks of Term V.)*

*Prerequisites: PTA 237, PTA 240, PTA 242*

The foundation of physical therapy practice lies in the ability to problem solve for patients/clients with a variety of conditions. Students will expand their knowledge of legal, ethical and professional considerations in healthcare. Laws governing standards of practice will be emphasized in this hands-on application course. This course provides case-based learning to focus students on treatment planning and clinical reasoning in the practice environment. Course content will focus on practical roles and responsibilities of the entry-level physical therapist assistant and a variety of practice environments will be explored. All material from previous coursework will be used to successfully complete this course. An emphasis on collaborative teamwork and self-directed learning will transition students from the classroom to the practice environment.

**PTA 258 Level II Clinical Education A**

*40 Clinical Hours per Week for 6 Weeks 8 Quarter Credit Hours*

*Prerequisites: PTA 237, PTA 240, PTA 242, EN 110 and pass all skill competency exams*

Level II Clinical Affiliation is the final phase of the PTA program. Working with physical therapy patients/clients, students will participate in data collection, planning and implementing treatment interventions, communicating effectively, and developing professional relationships. Students will work under the supervision of a PTA or PT who meets criteria as a clinical educator. The student and academic coordinator of clinical education will collaboratively select the clinical site. All clinical sites must have a signed contract with the university.

**PTA 260 Senior Capstone**

*2 Class Hours 4 Lab Hours 4 Quarter Credit Hours*

*Prerequisites: PTA 253, PTA 258, EN 110 and Humanities or Arts/Foreign Language core elective*

This course provides students the opportunity to explore research that supports the practice of physical therapy and allow students to expand their knowledge of legal, ethical, and professional considerations in physical therapy with application to the clinical education they have completed. Students will select a topic of their choice and complete an evidence-based practice literature review. Students will complete a professional portfolio that summarizes and highlights their accomplishments in the PTA program. Students will present the final projects in a senior colloquium. Professional licensure requirements, resume writing, job searching, and preparation for the national licensure exam will be emphasized.

**PTA 268 Level II Clinical Education B**

*40 Clinical Hours per Week for 6 Weeks, 8 Quarter Credit Hours*

*Prerequisites: PTA 253, PTA 258, EN 110 and Humanities or Arts/Foreign Language core elective*

This second Level II Clinical Education experience will offer students further exposure to physical therapy practice. The second practice environment will provide a different experience for the student to continue to develop skills as a physical therapist assistant. Supervision in these environments will be shared with physical therapists and physical therapist assistants.

**BIO 100 Anatomy and Physiology I**

*4 Class Hours 4 Quarter Credit Hours*

This course presents a comprehensive study of the structure and function of the human body as a whole, emphasizing the normal. This will serve as a background for the application of scientific principles both in everyday life and in the work of various health disciplines. Systems covered include integumentary, skeletal, muscular, nervous, and endocrine with respect to both histological and gross anatomy.

**BIO 101 Anatomy and Physiology I Lab**

*4 Lab Hours 2 Quarter Credit Hours*

Laboratory practice includes the study of tissues by using microscopic examinations and the dissection of animal specimens, along with histological experimentation. Units covered are concerned with general introductory material, the skeletal, muscular, endocrine, and nervous systems.

**BIO 120 Anatomy and Physiology II**

*4 Class Hours 4 Quarter Credit Hours*

This course is a continuation of Anatomy and Physiology I, concentrating on the circulatory, respiratory, digestive, urinary, and reproductive systems.

**BIO 121 Anatomy and Physiology II Lab**

*4 Lab Hours 2 Quarter Credit Hours*

Emphasis is placed on association, correlation, critical thinking and overview of the body as a whole functioning unit, with units covering circulatory, respiratory, digestive, urinary, and reproductive systems.

**AHS 110 Applied Medical Terminology**

*2 Lab Hours 1 Quarter Credit Hour*

This course provides students with medical language necessary for health professionals. Case studies will allow students to apply medical terminology using a systems approach.

## **Liberal Arts Associate Degree Courses**

### **Art (Arts/Foreign Language Core)**

#### **AR 203 Introduction to Drawing**

*4 Class Hours 4 Quarter Credit Hours*

This course introduces students to key concepts and techniques integral to developing basic drawing skills. Class time will be spent discussing, demonstrating and practicing these skills in order to produce a comprehensive body of work specific to the course objectives. Course performance will be evaluated on effort and growth as opposed to artistic talent.

#### **AR 206 3D Sculpture: An Adventure in the Third Dimension**

*4 Class Hours 4 Quarter Credit Hours*

This course will teach students to think, see and function in 3-dimensional space. They will explore the differences and similarities between 2-dimensional and 3-dimensional representation in composition and design. Students will use a broad range of materials to create sculptures that will help them explore different aspects of 3-dimensional functioning. Class time will be spent in a combination of sculpture design and a discussion of slides of work reflecting the history of three-dimensional works of art from Greek times to the present. No prior experience with art courses is required.

#### **AR 207 Introduction to Applied Music**

*4 Class Hours 4 Quarter Credit Hours*

This course will afford students the opportunity to experience a "hands-on" approach to piano keyboard and composition. Each section of the course will focus on one musical concept through listening, playing and finally application. Because of the computer-assisted nature of the program, all levels of musical and keyboard comprehension can be accommodated, and the course can be geared to the individual interests and needs of each student in the class.

#### **AR 209 The Art of Collage**

*4 Class Hours 4 Quarter Credit Hours*

Powerful imagery is a combination of technical skill and imagination. Students will exercise their ability to manipulate composition and color as well as cultivate the power of imagination in this studio class with a focus on collage, a technique where compositions are crafted by adhering various materials to a backing surface. Creativity and the development of ideas will be explored while acquiring a working knowledge of the elements and principles of art. The assemblage process of collage will be the design tool used to investigate, generate and express ideas. Students will research collage as an art form and examine the creative processes of various artistic disciplines. No prior experience is necessary. Students will be evaluated on their effort and creative growth as opposed to artistic talent.

### **Business (Social Sciences Core)**

#### **BU 236 Small Business and the Law**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course is designed for those students who intend to start and operate their own small business. This course will focus on the various elements associated with the start-up, acquisition and operation of a small business from the entrepreneurial point of view. Topics to be covered will include business formation, contract negotiations and drafting, financing, employee discrimination issues, customer relations issues, licensing, permits and tax basics. Additionally, students will be asked to complete a legal research assignment and prepare and present a business plan in their particular technological field of study.

### **Chemistry (Math/Science Core)**

#### **CHM 101 Life Science Chemistry**

*3 Class Hours 2 Lab Hours 4 Quarter Credit Hours*

*Prerequisite: MA 105 or MA 100/110 or MA 109*

This course provides an introduction to inorganic chemistry and organic chemistry with a focus on Life Science applications as reflected in the selection of the text. Topics include measurement, units of concentration, the nature of atoms, states of matter, periodicity, bonding, stoichiometry, chemical reactions, thermodynamics and kinetics.

### **Community Enrichment**

#### **CE 101 Community Enrichment**

*1 Class Hour 1 Quarter Credit Hour*

This online course is offered through the Feinsein Enriching America Program. Weekly assignments include topics such as B Corporations, civic and social responsibility, and Non-Governmental Organizations. A 15-hour community enrichment project is also required. Community engagement six months prior to taking the course may be accepted with proper documentation. Current or prior military service and concurrent clinical experiences are accepted in lieu of the community enrichment project. After successful completion of the course, students are eligible to apply for a Feinsein Scholarship, which is awarded each term.

### **Economics (Social Sciences Core)**

#### **EC 203 Principles of Economics**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

Introduces the fundamental principles of microeconomics and macroeconomics, such as scarcity, supply and demand, growth, fiscal and monetary policies, and the public and the private sectors.

### **English (Communications Core)**

#### **EN 100 Introduction to College Writing**

*4 Class Hours 4 Quarter Credit Hours*

*Placement: Based on an evaluation of a writing sample or successful completion of EN 030.*

EN 100 is an introductory writing course designed to immerse students in the writing process and sharpen their critical thinking skills. In this course, students will practice using writing as a tool for learning by responding to readings, composing essays, and reflecting on the writing process itself. Through drafting, revising, and writing to learn, students will strengthen their ability to interpret, analyze, and evaluate the ideas presented in the course readings, lectures, and discussions. Conducting, evaluating, and integrating research (through summarization, quotations, and paraphrasing) is a major component of this course. Additionally, students will be introduced to APA citation style, and will improve essential writing skills such as grammar, punctuation, and standard usage.

#### **EN 106 Service Industry Communications**

*5 Class Hours 5 Quarter Credit Hours*

In today's competitive service industry technicians must possess a mastery of both technical and nontechnical skills. EN 106 will introduce and equip students with the nontechnical or "soft skills" needed to succeed and advance in their field. Topics will include written and verbal communication, professionalism, team collaboration, critical thinking, and problem-solving skills. Because learning to write and communicate effectively requires practice, the course provides numerous opportunities; including writing workshops, role play, and group activities, for students to apply the fundamentals of written and oral communication.

### **EN 110 Healthcare Communications**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

EN 110 builds off the foundation established in EN 100 and focuses on the necessity of clear written and oral communication in the allied health arena. Through role play, small group work, and presentations students will develop the communication and critical thinking skills they will need daily when communicating with other health care providers, clients, and their families. Additionally, by continuing in the writing process (researching, drafting, and revising) students will further their ability to write clear, concise, error free prose with attention given to audience and message.

### **EN 200 Workplace Communications**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100 or EN 110 or placement based on evaluation of a writing sample.*

EN 200 builds off the foundation established in EN 100 and focuses on the necessity of clear written and oral communication in professional settings. Students will be exposed to a variety of business writing genres including memos, emails, business letters, and proposals. By continuing their engagement in the writing process (researching, drafting, and revising), students will compose several professional documents, reinforcing students' attention to audience and their aptitude to develop an effective workplace document. Additionally, this course strengthens students' ability to document in APA citation style, and hone essential writing skills such as grammar, punctuation, and standard usage.

### **EN 211 Oral Communications**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100 or EN 110 or placement*

This is an introductory course with an emphasis on oral communication theory and practice, providing a basic understanding of the significance of oral communication as well as instruction and practice in the basic skills of public speaking. The course is intended to help students develop skills in speaking, organizing thoughts, and critical analysis. Major emphasis is placed on the preparation and presentation of formal speeches.

## **History (Social Sciences Core)**

### **HI 231 Contemporary History**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course encourages students to explore economic, political, social and cultural developments throughout the world since World War II, particularly in developing nations including spiritual, scientific and intellectual developments.

### **HI 235 Architectural History**

*4 Class Hours 4 Quarter Credit Hours*

This course is a study of the major periods and styles of architecture from Egyptian through postmodern. Styles studied will include Egyptian, Greek, Roman, early Christian, Byzantine, Romanesque, Gothic, Renaissance, Baroque, 18th, 19th and 20th century. Through a series of lectures, discussions, and readings, students will gain a fundamental understanding of the history of architecture including the historical and social context of each period respectively.

### **HI 280 The Holocaust**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

In this course, students will study genocide and mass murder in modern history. The focus of this course is the Jewish Holocaust of 1933-1945. Through film, photographs, and readings, the course will provide students with a basic understanding of the establishment of the Nazi Party and its attitudes, beliefs, and



laws that were put into action during this time period. Students will compare the Holocaust to current genocidal acts in the world today, including the effects of genocide on society.

### **Humanities (Humanities Core)**

#### **HU 208 Rap/Rock and Poetry**

*4 Class Hours 4 Quarter Credit Hours*

*Core Fulfillment: Both Communications Core and Humanities Core*

*Prerequisite: EN 100*

What do Eminem, Tupac, Bob Marley, Bob Dylan and WB Yeats have in common? All five wordsmiths are poets who use rhyme, rhythm, figurative language and poetic structure to craft language. In this course, students will explore poetic devices and important global themes through examination of poetry, written by Nobel Prize and Grammy Award winning writers. Focusing on aspects of poetic form will build students' understanding of and appreciation for the power of language.

#### **HU 211 Introduction to Film**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

The focus of the course will be on what goes into the reading and analysis of a film. Film is comprised of several arts – and the objective of this course is to learn to appreciate films and to see them as important social documents that tell us much about ourselves and our world.

#### **HU 212 Documentary Film**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course will expose students to the techniques and artistry of making interesting non-fiction films. Students will view and analyze significant documentary films and become familiar with the work of important filmmakers.

#### **HU 215 Popular Culture**

*4 Class Hours 4 Quarter Credit Hours*

This course will analyze cultural expressions of intellectual and social trends since 1950. Students will investigate literature, comics, movies, television, music, advertising, painting, computer games, and the Internet to probe the forces that shape our world. In this course, students will identify and evaluate the popular entertainment we consume and ask how our choices define us and shape our values. Understanding our values and culture enables us to understand why we buy what we buy, why we do what we do, and why we think the way we do.

#### **HU 216 Music and the Media**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course will trace the long relationship between visual media and music. Students will study the movie industry from silent movies to the soundtracks that are an integral part of the movies of today. They will also study the importance of music in television, radio and the recording industry, particularly its role in commercials and the "selling" of products, people and programming. In addition, a substantial portion of the course will be devoted to the technology that has led to today's sophisticated performances and recording techniques.



**HU 240 Graphic Design in the 20th Century**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

Throughout history, artists and designers have created visual works that help to define historical eras. In this course, students will examine and analyze the most prominent design styles of the past one hundred years. They will learn the defining features and major proponents of each style as well as how each style fits within its historical context. They will then use the knowledge gained to produce designs that respond to past styles in an engaged, knowledgeable way. Course performance will be evaluated on student effort and growth as opposed to artistic talent.

**HU 242 The Automobile and American Culture**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

Undeniably, the automobile has had an enormous impact on American culture. A majority of Americans rely on individual transportation daily, but the car is more than a means of heading to work. Automobiles impact our personal independence, our choice of employment, the country and world economies, the environment, and our social culture. The Automobile and American Culture is a course designed to study the broad impact that the automobile has and continues to have on our nation and the world. Students will examine the automobile through historical documents, films, photographs, and music.

**HU 244 Science Fiction**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

Isaac Asimov called science fiction "the literature of change." The course will analyze films, short stories, and a classic science fiction novel to understand the ways this popular genre entertains us and gives us insight into the impact science and technology has had on us.

**HU 289 Racing Through Film**

*4 Class Hours 4 Quarter Credit Hours*

Racing Through Film is a course dedicated to examining how the sport of motor racing has been explored through film. Through reading, discussion and viewing films we will consider such issues as the history of racing, questions of masculinity and the often countercultural and rebellious nature of racing, with particular interest in the anti-hero figure.

**HU 291 Critical Thinking and Chess**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course teaches critical thinking and problem-solving skills by using the game of chess as an empirical model for evaluating situations, calculating risks, predicting the consequences of possible actions, solving problems efficiently, and investigating the benefits and limits of reasoning and creative play. Students will demonstrate those skills by solving a wide variety of tactical and strategic problems in chess, by writing a thoughtful analysis of the qualities necessary for a successful thinker/problem solver, and by applying those qualities to situations in one's personal life and career. Chess will be used as a model for critical thinking skills and life skills.

**Japanese (Arts/Foreign Language Core)**

**JP 201 Introduction to Japanese**

*4 Class Hours 4 Quarter Credit Hours*

Students will be introduced to the basics of Japanese, (speaking, listening, reading, and writing) with an emphasis on comprehension and speaking. Vocabulary used in everyday communication in the workplace, school, and common social situations will be covered. Contemporary Japanese society will be addressed in class discussions and video presentations including, but not limited to art, education, film (in particular animé), food, literature, music, sports, and technology. Japanese technological invention and

know-how, as well as the unique challenges of doing business with the Japanese will be studied. Japanese guest speakers will be invited to share their expertise and experiences.

### **Mathematics (Math/Science Core)**

#### **MA 100 Introduction to College Math with Lab**

*2 Class Hours 4 Lab Hours 4 Quarter Credit Hours*

*Prerequisite: Placement exam*

Topics to be covered in this lab-based introductory algebra course include operations with signed numbers, rules for exponents, polynomial operations, solutions to linear equations in one variable, and several applications important to various programs.

#### **MA 109 Math for Life Science**

*4 Class Hours 4 Quarter Credit Hours*

This course is designed to assist in the understanding of the proper techniques needed to perform accurate dosage calculations; vital signs in order to ensure patient safety. This course will focus on developing the mathematical skills, critical thinking and quantitative reasoning methods needed to apply medical language and systems of measurement to solve problems in a variety of healthcare settings.

#### **MA 110 Introduction to College Math**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: Placement exam*

Topics to be covered in this introductory algebra course include operations with signed numbers, rules for exponents, polynomial operations, solutions to linear equations in one variable, and several applications important to various programs.

#### **MA 121 Business Math**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: MA 100/110 or MA 109*

This is an elementary applied course studying such business topics as interest rates, discounts, payrolls, markups, depreciation, insurance, mortgages, and basic statistics.

#### **MA 125 Technical Math I**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: MA 105 or MA 100/110*

Topics to be studied include the analytic geometry of a straight line, systems of linear equations, trigonometry, vectors and their applications, and quadratic equations.

#### **MA 200 Applied Math for Business**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: MA 105 or MA 100/110*

MA 200 is designed to help with the transition from basic algebra to more advanced business-related courses, such as statistics and finance. Applications will be stressed throughout the course. Specific topics include linear functions, quadratic functions, descriptive statistics, exponential functions, and annuities.

#### **MA 210 Technical Math II**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: MA 125*

The following four major topics and their applications will be studied: Cramer's Rule, exponential and logarithmic functions, trigonometry, and complex numbers.

**Physics Courses (Math/Science Core)**

**PHY 126 Applied Physics & Lab**

*3 Class Hours 2 Lab Hours 4 Quarter Credit Hours*

*Prerequisite: MA 100/110 or MA 109*

This course studies the applications of fundamental concepts of physics. The topics covered include: the motion of objects, the forces that cause motion, velocity, acceleration, Newton's Laws, torques, work, power, and energy. The laboratory component is designed to give students the opportunity to have hands-on experience with the fundamental concepts of physics studied in the theory portion of the course.

**PHY 200 Physics I & Lab**

*3 Class Hours 2 Lab Hours 4 Quarter Credit Hours*

*Prerequisite: MA 125*

This course is a non-calculus approach to the study of fundamental physics and includes kinematics and dynamics of bodies, velocity, acceleration, and Newton's laws of motion, forces in equilibrium, concurrent and non-concurrent forces, work, power, energy, and torque. Labs are performed within the course to reinforce concepts.

**Psychology (Social Sciences Core)**

**PS 140 Life-Span Development**

*4 Class Hours 4 Quarter Credit Hours*

The purpose of Life-Span Development is to introduce students to the broad concepts of human growth and development from conception to death. Students will be introduced to human development from the prenatal stage to death with particular emphasis placed on early childhood, adolescence and old age. The course is especially designed for students entering the healthcare professions as the slant is toward practical application of all stages. Upon completion of the course, students should be able to demonstrate a basic knowledge of the developmental stages of life.

**PS 201 Introduction to Psychology**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This introductory course in psychology is a survey of the multiple aspects of human behavior. It includes, but is not limited to, such topics as the history of psychology, the biological foundations of behavior, memory, learning, personality, psychological disorders and treatment and social behavior. Importantly, this course will be geared to stress those areas of more practical significance for those in medical service fields.

**PS 202 Psychology of Healthcare**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course addresses the human element of clinical competence in providing health care. Students will explore the psychodynamics of interactions between health care workers and patients, the psychological influences of illness and pain, the psychosocial factors that impact one's effectiveness as a health care team member, the impact of families on a patient's treatment plan, the role of body image in patient responsiveness to treatment, and a variety of other psychosocial factors that influence health care delivery.

**PS 203 Psychology of Happiness**

*4 Class Hours 4 Quarter Credit Hours*

This course will explore the psychological principles associated with the experience, feelings and thoughts of happiness. Students will be exposed to a variety of research investigations that have studied

different variables that impact happiness. Some of the subtopics discussed in this course include ways to define and measure happiness, differences and similarities in happiness across cultures, happiness and money, and ways to increase happiness.

### **PS 210 Human Relations in the Workplace**

*4 Class Hours 4 Quarter Credit Hours*

Major skill areas covered in the course include making a good impression with your employer, managing conflict with difficult coworkers, working on a team with diverse groups of people, providing exceptional customer service, and managing on-the-job stressors. This course provides a set of practical human relations techniques that will help students increase the likelihood of job security and career advancement in any current or future job.

### **Science (Math/Science Core)**

#### **SCI 110 Environmental Science**

*4 Class Hours 4 Quarter Credit Hours*

This course will focus on man's interaction with his environment. It will cover current issues like global warming, human population growth, and pollution.

### **Sociology (Social Sciences Core)**

#### **SO 203 Social Problems**

*4 Class Hours 4 Quarter Credit Hours*

This course will examine contemporary social issues from multiple perspectives. Attempts to see the ethics, the arguments and the policy outcomes involved in problems such as drug abuse, crime, poverty and the global environment.

#### **SO 220 Internet and Society**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: B- or better in EN 100*

*Internet and Society* is an online course that focuses on the impact of the Internet on our lives. The goal of this course is to encourage students to think deeply and critically about the reality of living in a technology-driven society and how technological change influences work, families, social lives, education, and privacy.

#### **SO 231 Crime and Deviance**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course traces the historical development of crime and deviance. A review of the social, physiological, and psychological theories of crime are examined. Topics such as the history of policing and the history of corrections are also reviewed.

### **Spanish (Arts/Foreign Language Core)**

*These courses are designed for students with no prior knowledge of Spanish.*

#### **SP 201 Introduction to Spanish**

*4 Class Hours 4 Quarter Credit Hours*

This course will introduce students to the Spanish language with an emphasis on the use of Spanish in the workplace. Students will learn to communicate with customers and other employees in Spanish with a focus on basic vocabulary words used in everyday interactions at the workplace. Topics covered include:

conversational skills as well as key principles of Spanish grammar and cultural traditions in Spanish-speaking countries.

**SP 203 Spanish for Healthcare Workers**

*4 Class Hours 4 Quarter Credit Hours*

This course will introduce students to the Spanish language with an emphasis on the use of Spanish in the workplace. Students will learn to communicate with Spanish speaking patient and family and other employees in Spanish with a focus on basic vocabulary words used in everyday interactions at the workplace. While each class will emphasize conversational skills, the course will also cover some key principles of Spanish grammar and provide some exposure to a variety of cultural traditions in Spanish-speaking countries.

**Social Sciences (Social Sciences Core)**

**SS 140 Criminal Investigations**

*4 Class Hours 4 Quarter Credit Hours*

In this course, students will get exposure to a wide range of interpersonal and scientific factors that are explored by criminal investigators in their efforts to support hypotheses developed to solve a variety of crimes. Some of the course topics will include the appropriate collection of evidence at a crime scene, techniques for interviewing witnesses and suspects, the role of the crime lab, the science of fingerprinting, forensic medicine, and the preparation of testimony that leads to the conviction of criminals.

**SS 201 American Government in Action**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This is an introductory course that will help students understand how the pieces of American government fit together, and how politics continuously affects their lives. Students will examine the roles of interest groups, the media, political parties and the three branches of government. Class discussions about relevant and current political issues will be encouraged.

**SS 203 Terrorism and National Security**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course examines the challenge contemporary terrorism presents for U.S. national security. It investigates the causes of terrorism and inquires into the motives, objectives, methods, and effectiveness of contemporary terrorist groups with an emphasis on al Qaeda. Analysis of the determinants of American counter-terrorism policies and evaluation of the effectiveness of these initiatives are central themes of the course. As such, evaluation of the roles the invasion of Afghanistan, the Iraq War, covert operations, domestic and foreign internal security initiatives, and global law enforcement operations have played in addressing the terrorist threat are major points of emphasis.

**SS 204 Juvenile Justice System in America**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

The course is designed to explore the components of the juvenile justice system in America. The various features, characteristics, policies and concerns about the juvenile justice system are carefully examined. As part of the review, adolescent behavior and influence of the family dynamic will be discussed. The detention of juveniles, the various programs focused on the diversion of youths from the juvenile justice system, rehabilitation programs and prevention programs will also be reviewed.



**SS 221 Technology and American Life**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

The course, based on abstract thinking and analysis, examines the interactive relationship between technology and society over historic time and across geographic space. The course will address basic questions about technology and its place in society. Students will be able to evaluate the impact of social change on their lives, and the impact of their technology on changing the social system.

**SS 222 Mindful Living**

*4 Class Hours 4 Quarter Credit Hours*

On a single day, how often do you find yourself pulled in multiple directions? In a world inundated with information, and increasingly demanding of our time and attention, it can be overwhelming to know how to even begin prioritizing what is important. What if there were something you could do to increase your productivity, reduce anxiety and stress, and be more fully present in your daily experiences? Welcome to the practice of mindfulness –sustained, purposeful, moment-to-moment attention without judgement. Research studies have shown that a regular mindfulness practice yields concrete physical and emotional benefits, including reduced stress, decreased physical pain, increased concentration, and a happier mindset. In this course, you will learn different ways to practice mindful living.



## Questions & Answers

### 1. When do my classes meet?

Day Classes: Technical classes normally meet for at least three hours a day for up to five days a week. Classes normally begin in the early morning (7:45 a.m.), late morning (usually 11:25 a.m.), or mid-afternoon. The time slot for your program may vary from term to term.

In addition, to achieve your associate degree, you will take a total of approximately eight liberal arts courses, which will be scheduled around your technical schedule over the course of your entire program. Each liberal arts course meets approximately four hours per week. Liberal arts courses are offered days, evenings, and Saturdays.

At the beginning of each term you will receive a detailed schedule giving the exact time and location of all your classes. The College requires that all students be prepared to take classes and receive services at any of NEIT's locations where the appropriate classes and services are offered.

When a regularly scheduled class falls on a day which is an NEIT observed holiday (Columbus Day, Veterans Day, Martin Luther King, Jr. Day, and Memorial Day), an alternate class will be scheduled as a make up for that class. The make up class may fall on a Friday. It is the student's responsibility to take note of when and where classes are offered.

### 2. How large will my classes be?

The average size for a class is about 20 to 25 students; however, larger and smaller classes occur from time to time.

### 3. How much time will I spend in lab?

Almost half of your technical courses consist of laboratory work. In order for you to get the most out of your laboratory experiences, you will first receive a thorough explanation of the theory behind your lab work.

### 4. Where do my classes meet?

Students should be prepared to attend classes at any of NEIT's classroom facilities: either at the Post Road, Access Road, or East Greenwich campus.

### 5. I have not earned my high school diploma or GED: can I enroll in an Associate Degree Program?

A candidate for admission to an associate degree program must have a high school diploma, have earned a recognized equivalency diploma (GED), or meet the federal home school requirements.

### 6. How long should it take me to complete my program?

To complete your degree requirements in the shortest possible time, you should take the courses outlined in the prescribed curriculum. For a typical six-term curriculum, a student may complete the requirements in as little as 18 months.

To complete all your degree requirements in the shortest time, you should take at least one liberal arts course each term. Students who need more time to complete their curriculum may postpone some of the liberal arts courses until after the completion of the technical requirements. Students are provided up to two additional terms of study to complete the liberal arts requirements without any additional tuition assessment fee. During these additional terms of study, students are required to pay all applicable fees.

Students may also elect to complete some of their liberal arts requirements during Intersession, a five-week term scheduled between Spring and Summer Quarters. Students will not be assessed any additional tuition for liberal arts courses taken during the Intersession but may be assessed applicable fees.



Students wishing to extend the number of terms needed to complete the required technical courses in their curriculum will be assessed additional tuition and fees.

The term “PTA student” is reserved only for those students taking PTA courses. Students may elect to take general education courses prior to starting the PTA program. Students taking general education courses only are not considered PTA students.

**7. Is NEIT accredited?**

NEIT is accredited by the New England Commission of Higher Education. Accreditation by NECHE is recognized by the federal government and entitles NEIT to participate in federal financial aid programs. Some academic departments have specialized professional accreditations in addition to accreditation by NECHE. For more information on accreditation, see NEIT’s catalog.

**8. Can I transfer the credits that I earn at NEIT to another college?**

The transferability of a course is always up to the institution to which the student is transferring. Students interested in the transferability of their credits should contact the Office of Teaching and Learning for further information.

**9. Can I transfer credits earned at another college to NEIT?**

Transfer credit for appropriate courses taken at an accredited institution will be considered for admission based on the following table and upon receipt of an official transcript:

Courses	Age of Courses	Grade Needed for Transfer to PTA
EN 100 Introduction to College Writing		B or above
EN 200 Workplace Communications (or EN 110 Healthcare Communications)		B or above
MA 100/110 Introduction to College Math		B or above
English/Communications Liberal Arts Courses	10 years old	C or above
Math Course	3 years old	C or above
Biology Course	3 years old	C or above
Science Course	3 years old	C or above
Major Courses	3 years old	C or above

The Office of Teaching and Learning maintains the prerogative to waive these requirements based upon individual review.

An official transcript from the other institution must be received before the end of the first week of the term for transfer credit to be granted for courses to be taken during that term. Students will receive a tuition reduction for the approved major courses based on the program rate and will be applied against the final major term of the curriculum's tuition amount. No tuition credit is provided for courses which are not a part of the major curriculum. If the student has a degree from another institution, every opportunity will be reviewed to give the student as many transfer credits as possible for liberal arts courses (math, science, English, humanities, and social sciences) regardless of the age of the degree. Courses in the major will be reviewed individually for relevancy.

**10. What is the "Feinstein Enriching America" Program?**

New England Institute of Technology is the proud recipient of a grant from the Feinstein Foundation. To satisfy the terms of the grant, the College has developed a one-credit community enrichment course which includes hands-on community enrichment projects. The course can be taken for a few hours per term, spread over several terms. Students who are already engaged in community enrichment on their own may be able to count that service towards course credit.

**11. How many credits do I need to acquire my Financial Aid?**

In order to be eligible for the maximum financial aid award, you need to maintain at least 12 credits per academic term.

**12. What does my program cost?**

The cost of your program will be as outlined in your enrollment agreement, along with your cost for books and other course materials. Students who decide to take more terms than the enrollment agreement describes to complete the technical courses in their curriculum will be subject to additional fees and possible additional tuition costs. Students who elect to take the technical portion of the degree requirements at a rate faster than the rate prescribed in the curriculum and the enrollment agreement will be assessed additional tuition.

Students who require prerequisite courses will incur additional tuition and fees above those outlined in their enrollment agreement.

If a student elects to take a course(s) outside of the prescribed curriculum, additional tuition and fees will be assessed.

Remember, students who withdraw and re-enter, one time only, pay the tuition rate that was in effect for them at the time of their last day of attendance for up to one year from their last day of attendance. Second re-entries and beyond pay the tuition rate in effect at the time they re-enter. The most economical way for you to complete your college degree is to begin your program now and continue your studies straight through for the six terms necessary to complete your degree requirements.

**13. What kind of employment assistance does NEIT offer?**

The Career Services Office assists NEIT students and graduates in all aspects of the job search, including resume writing, interviewing skills, and developing a job search strategy. Upon completion of their programs, graduates may submit a resume to the Career Services Office to be circulated to employers for employment opportunities in their fields. Employers regularly contact us about our graduates. In addition, our Career Services Office contacts employers to develop job leads. A strong relationship with employers exists as a result of our training students to meet the needs of industry for over fifty years. No school can, and NEIT does not, guarantee to its graduates employment or a specific starting salary.

**14. Where will job opportunities exist?**

Graduates have obtained employment in the local area. However, one of the most exciting aspects of this program is the ability to look nationally for employment opportunities.

**15. Must I be licensed to practice as a PTA in Rhode Island?**

Yes. To be employed as a PTA in RI, an individual must be a graduate from a program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) and pass the National Physical Therapy Exam

**16. Will this program prepare me for the national licensure exam?**

Yes. Upon successful completion of the entire course of study, you will be eligible to sit for the National Physical Therapy Examination (NPTE) for PTAs administered by the Federation of State Boards for Physical Therapy (FSBPT). An individual must pass this examination to be eligible for state licensure and to be a licensed Physical Therapist Assistant. This exam is scheduled throughout the year.

**17. Does this program have a dress code?**

Appropriate attire will be required during your clinical education experiences. Specific dress codes will be provided to you prior to the clinical education experience. It is understood that in a professional work environment, clothing must adhere to the standards of the profession and be practical to allow the individual to carry on his/her job responsibilities.

**18. What is a Physical Therapist Assistant?**

A Physical Therapist Assistant (PTA) is an integral member of the health care delivery team who provides direct patient care under the direction and supervision of a licensed physical therapist. The PTA works with individuals of all ages to prevent disability and promote positive health. Recipients of Physical Therapist (PT) services may be individuals of all ages who have medical or health-related problems that impede their ability to move and to carry out functional activities in their daily lives.

**19. What does a Physical Therapist Assistant do?**

The physical therapist assistant works under the direction of a licensed physical therapist. They provide services to improve strength, flexibility, relieve pain, promote fitness, and quality of life of people suffering from injuries or disease. Physical therapist assistants perform a wide variety of tasks involving exercise, massage, electrical stimulation, heat/cold treatment, ultrasound, traction, and hydrotherapy. They provide training to improve ambulation, body mechanics, posture, and athletic performance.

**20. Who employs Physical Therapist Assistants?**

PTAs serve a diverse population in a variety of settings such as hospitals, outpatient clinics, home health care agencies, long-term care facilities, rehabilitation facilities, schools, private practices, sports facilities, industrial medicine centers, and fitness clinics.

**21. What type of tasks are done by a Physical Therapist Assistant?**

Physical Therapist Assistants:

- assist with data collection of a client/patient referred for services, under the direction and supervision of the Physical Therapist (PT),
- perform selected interventions from the plan of care developed by the PT under the direction and supervision of the PT,
- provide direct service that follows a documented routine and accepted procedure under the direction and supervision of the PT. Examples include teaching patients/clients exercise for mobility, strength and coordination, training for activities such as walking with crutches, canes, or walkers, massage, and the use of physical agents and electrotherapy such as ultrasound and electrical stimulation,
- communicate and interact with other team members and the individual's family or caregivers in collaboration with the PT,
- maintain treatment area, equipment, and supply inventory as required, and
- maintain records and documentation required by the work setting under the direction and supervision of the PT.

**22. Will I actually have the opportunity to practice these skills in a real professional environment while still in school?**

Yes. The PTA Program will provide you with a treatment laboratory. During course work and laboratory training, you will have the opportunity to practice skills used by the PTA in treatment settings. Level I and Level II Clinical Education will require students to actually go to facilities which provide physical therapy services. You will have the opportunity to experience the duties which you will some day perform for a job.

**23. How much time will I spend in practice settings while still in school?**

Clinical Education training is provided in two parts during your academic program. Level I Clinical Education takes place during the third and fourth academic terms. The primary goal in Level I Clinical Education is to observe and to practice physical therapy skills. The course requires that you attend an off-campus facility, selected by the university.

Level II Clinical Education takes place during the fifth and sixth terms, upon successful completion of all of your other course work. The Level II Clinical Education training is split into two courses, representing training at two different facilities. Each Clinical Education course runs for 6 weeks, full time. The Clinical Education coordinator will assist you in selecting the training site. A Physical Therapist or Physical Therapist Assistant will be assigned as your Clinical Education supervisor. Each Level II Clinical Education training course offers you direct "hands on" training, thus allowing you to apply classroom

knowledge to an actual treatment or clinical environment. Clinical Education training is provided off campus in settings such as hospitals, nursing homes, school districts, and outpatient clinics, and a variety of community-based settings.

**24. If I am unable to complete the entire sequence of Level II Clinical Education Training, full time, as outlined in the curriculum, will there be alternative options available to me?**

Yes. The Commission on Accreditation in Physical Therapy Education (CAPTE) allows for Level II Clinical Education training to be completed within a reasonable period of time, following completion of academic classroom preparation. Students unable to complete a Level II Clinical Education training due to illness, or other unforeseen problems, will be given the opportunity to extend the time necessary to complete the Clinical Education training, provided it is completed within an 18-month time-frame adopted by the NEIT PTA program.

**25. What is the current job market for an PTA graduate?**

The core PTA curriculum for the PTA program prepares its graduates to explore multiple employment opportunities including, but not limited to:

- a. Hospitals
- b. Outpatient clinics or offices
- c. Rehabilitation facilities
- d. Skilled nursing, extended care facilities, or hospices
- e. Home care
- f. Educational programs (colleges)
- g. Schools and playgrounds
- h. Corporate or industrial health centers
- i. Athletic facilities and fitness/sports training centers
- j. Adaptive equipment sales/fabrication

In addition, graduates are prepared to pursue advanced degrees in a variety of health careers. Please be aware that the transferability of courses is always up to the institution to which the student is transferring. In general, the PTA program is not a stepping stone to a PT program. PTA courses don't meet the graduate degree requirements of PT courses as they are undergraduate-level classes. Furthermore, a PTA program does not have enough time to complete the prerequisite courses required by PT programs.

**26. Is licensure required to practice as a physical therapist assistant?**

After successful completion of this exam, the individual will be a Licensed Physical Therapist Assistant (PTA). Most states require licensure in order to practice; however, state licenses are based on the results of the National Physical Therapy Examination administered by the Federation of State Boards for Physical Therapy (FSBPT). Rhode Island requires a license to practice as a Physical Therapist Assistant.

**27. Where do I go for the Level I and Level II Clinical Education Training? Will those sites be provided for me or must I find a site on my own?**

The university has developed affiliation agreements with physical therapy practitioners and facilities within Rhode Island, Massachusetts, and Connecticut. Sites will be assigned as available to complete your Level I and Level II Clinical Education training. Students are welcome to recommend a potential training site of interest and the Academic Coordinator of Clinical Education will make every effort to obtain a

Clinical Education contract. Students will be encouraged to be active participants in the selection of their clinical education training.

**28. Do I need to maintain a certain grade point average?**

Yes. You are required to maintain a cumulative grade point average of at least 2.33 throughout the program. For all academic terms, a grade of C+ or better must be attained in all PTA, BIO, and AHS courses and a grade of C (73%) or better is required for all other courses in order to advance to the next term, or to graduate. (This is a summary of the PTA Grading Policy. See the PTA Student Manual for the entire policy.)

**29. Are there any additional costs/activities associated with this program?**

Besides uniforms and textbooks, the student will be required to have a complete physical exam, immunizations and other testing. Personal negligence and malpractice insurance is also required by affiliating facilities where internships are scheduled. A course in Cardiopulmonary Resuscitation (CPR) is required some time before the 3rd academic term through the American Heart Association (CPR -C, Healthcare Provider Course). All students are required to obtain three doses of Hepatitis Vaccine and a positive titer before participating in clinical placement. An opportunity for obtaining these shots on campus, at no additional cost, will be made available to students through Physical Health and Rehabilitation, Inc. There is a fee for the National Physical Therapy Examination (approximately \$450.00). All costs associated with travel for Clinical Education Training are the sole responsibility of the student

**30. Are there any behavior standards for this program?**

PTA students are expected to exhibit professional behavior. This will be assessed on a continual basis and will encompass not only grades but also adherence to classroom protocol, laboratory and clinic safety, attendance, participation and preparedness for class, appearance and ability to work as a team member. Development of professional values and attitudes is inherent in the curriculum, and students will be expected to exhibit such behavior to assure a placement in clinical Clinical Education sites.

**31. Do I need to have a Criminal Background check?**

All PTA students are required to have a criminal background check. The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) requires all healthcare facilities which they accredit to perform criminal background checks on students. Prior to entering clinical affiliation, students will be required to undergo a criminal background check. In addition to the criminal background check required by JACHO, some clinical sites may also require a national criminal background check. It will be necessary for students to sign a Consent and Disclaimer permitting NEIT to perform a criminal background check and a Release and Authorization permitting NEIT to disclose the results of the criminal background check to a clinical site where the student is being considered for placement. Students have an obligation to self disclose to the Department Chair any criminal convictions or pending criminal federal, state or local charges which occur after a criminal background check has been performed. When they do, the student must undergo an updated background check. If a background check reveals any criminal convictions, the student may be disqualified from a clinical placement or employment in the field. When a student is declined a placement by a site as a result of a positive background check, another attempt will made to place a student in a clinical site. If a background check reveals any criminal convictions, the student may be disqualified from a clinical placement or employment in the field. Further, students convicted of a felony will need to comply with state licensure requirements for The Rhode Island Department of Health. Students assume the cost for all background checks.

Some facilities may also require a drug screen prior to accepting a student for Clinical placement. NEIT makes no guarantee that once a student is matriculated, the student will be able to attend any clinical affiliation training setting, sit for the national certification or gain licensure if the student has a prior criminal conviction. This is the student's responsibility to discover what they must do to manage a positive criminal background investigation.

### Technical Standards

In addition to the acquisition of the appropriate knowledge in the sciences and humanities, the faculty of the New England Institute of Technology Physical Therapist Assistant Program have determined that the essential requirements for the successful completion of an Associate Degree in Physical Therapist Assistant require that the student possess and be able to demonstrate the following skills and abilities, with or without reasonable accommodation.

### Cognitive Abilities

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
C	To process, synthesize, organize and learn new material.
C	To plan a variety of activities.
C	To obtain information for processing through primary senses.
C	To problem solve independently.
F	To utilize basic math concepts for measurement and construction tasks.
C	To imitate or mimic role modeling.
C	To follow written or verbal instructions.

### Communications Skills

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
F	To communicate effectively with faculty, patients, staff and other professionals.
F	To orally report data and observations.
F	To read English sufficiently to understand and comprehend college level text books, written protocols, documentation in patient's chart, information necessary for documentation, evaluation, and package directions.
F	To write English sufficiently to record legibly, course assignments and provide documentation for patient's chart.
F	To express thoughts clearly.

### Adaptive Skills

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
C	To adjust to a variety of individuals and their distinct needs.
C	To maintain a professional attitude during all work performance.
F	To adjust to changes in scheduling and flexibility to meet department or facility needs.
C	To respect the integrity of all human beings and right for all individuals to receive appropriate treatment.
F	To identify one's own strengths and weaknesses and to request assistance when needed.
C	To maintain emotional stability and the maturity necessary to interact with other members of the faculty, students and professionals in a responsible manner.



**Physical Abilities**

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
F	To lift to carry or maneuver equipment weighing up to 60 lbs.
O	To transfer or maneuver individuals weighing up to 200 lbs.
F	To transfer patients to heights of up to 19 inches by lifting.
F	To lift sufficiently to assist patients with mobility.
O	To stoop to adjust equipment, work with wheelchair adjustments, perform household training and pediatric service intervention.
O	To kneel to assist patients who may fall or to work in pediatrics.
O	To crouch to adjust equipment, wheelchairs and ADL to reach into supply cabinets.
F	To crawl to provide pediatric treatments and work on mat activities.
F	To reach to obtain items overhead.
F	To reach to use adaptive equipment for training and physical skills training for ROM and ADL function.
C	To be mobile within the work facility.
C	To move from sitting to standing, walking and weight shifting to assist in the maintenance of a patient's posture or position for treatment intervention.

**Manual Abilities**

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
C	To manipulate fine motor tasks for testing and treatment; modalities.
F	To locate and palpate correct anatomical location for treatment.
F	To assess changes in muscle tone
C	To use assistive technology, computer, typing, writing for documentation.
C	Gross motor skills sufficient to guide patients in physical skills development to manage patients during transport, transfer training, bedside treatment and some ADL tasks.
F	Sufficient manual dexterity and mobility to move wheelchairs, stools, mirrors, other equipment independently for treatment and evaluative purposes.
C	Sufficient motor function and sensory abilities to participate effectively in the classroom laboratory and clinical setting.

**Sensory Abilities**

<u>Frequency*</u>	<u>Ability</u>
<i>Frequency Key: O = Occasionally (1-33%); F = Frequently (34-66%); C = Constantly (67-100%)</i>	
<b><u>Visual</u></b>	
C	To observe patients during treatment.
C	To use modalities safely.
C	Acute enough to read small printed labels on medications
<b><u>Auditory</u></b>	
C	To receive verbal directions in English.
C	Acute enough to hear and understand words spoken by staff and patients.
<b><u>Tactile</u></b>	
F	To identify hot and cold.