

**General Information**

The Associate in Science in Veterinary Technology prepares students as entry-level veterinary technicians. These students are provided with the educational foundation necessary to develop the required critical thinking, managerial, and clinical professional skills necessary to perform as effective members of the veterinary healthcare team.

Veterinary technology is the science and art of providing professional support to veterinarians. Veterinary technicians provide professional health care for animals under the supervision of a veterinarian. Examples of areas of responsibility for veterinary technicians include surgical assisting, anesthesiology, radiology, caring for hospitalized patients, administering vaccines and medications, dental prophylaxis, collecting specimens and performing clinical laboratory procedures, client education, physical examination and patient history, and office/hospital management. Veterinary technicians cannot diagnose, prescribe, or perform surgery.

Throughout the curriculum, students are exposed to veterinary team concepts and appropriate modeling of professional and ethical conduct. There are planned laboratory and clinical practice experiences that expand student knowledge and lead to proficiency in task-specific essential and recommended skills for the entry-level veterinary technician.

**ACCREDITATION STATUS**

The Veterinary Technology program is fully accredited by the American Veterinary Medical Association (AVMA) as a program for educating veterinary technicians.

American Veterinary Medical Association (AVMA)  
Committee on Veterinary Technician Education and Activities (CVTEA)  
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### **Program Mission, Goals and Outcomes**

#### **Program Mission**

The mission of the NEIT Veterinary Technology program is to provide students with the educational foundation necessary to develop the required critical thinking, managerial, and clinical professional skills necessary to perform as effective members of the veterinary health care team. Through a combination of classroom, hands-on laboratory and clinical educational experiences, students will master the American Veterinary Medical Association's Veterinary Technology Student Essential and Recommended Skills List which will prepare students as entry-level veterinary technicians. Graduates of this program will recognize career opportunities in traditional and non-traditional settings such as private veterinary practice, biomedical research, academia, food safety inspection, and other health-related fields.

#### **Program Goals**

1. To prepare competent entry-level veterinary technicians with the knowledge and skills necessary to qualify for the national certification examination.
2. To provide a variety of planned laboratory and clinical practice experiences that expand student knowledge and lead to proficiency in task-specific essential and recommended skills for the entry-level veterinary technician.
3. To instill a commitment to uphold the ethical standards of the profession and to lifelong learning and advancement of professional knowledge through continuing education.

#### **Program Outcomes**

Veterinary Technology graduates will:

1. Be able to effectively communicate in all formats including written, oral, and electronic.
2. Demonstrate skills in problem solving and in decision-making abilities.
3. Be able to demonstrate entry-level veterinary technician clinical skills enabling them to work individually and as a member of a team.
4. Understand and appreciate the importance of following and upholding applicable laws and the veterinary technology profession's ethical codes while providing high quality patient care.

**Curriculum  
For Students Starting in the Fall Term**

| Term I  |     |                                       |           |     |    |
|---|-----|---------------------------------------|-----------|-----|----|
| Course No.  |     | Course Title                          | C         | L   | T  |
| VET   | 110 | Introduction to Veterinary Technology | 4         | 0   | 4  |
| VET   | 112 | Veterinary Anatomy & Physiology I     | 3         | 0   | 3  |
| VET   | 113 | Veterinary Anatomy & Physiology I Lab | 0         | 3   | 1  |
| BIO   | 114 | General Biology                       | 3         | 2   | 4  |
| <b>CHOOSE ONE</b> (depending upon Math placement) |     |                                       |           |     |    |
| MA  | 109 | Math for Life Science (MA/SCI Core)   | 4         | 0   | 4  |
| CHM   | 101 | Life Science Chemistry (MA/SCI Core)  | 3         | 2   | 4  |
|   |     |                                       | 13/<br>14 | 5/7 | 16 |

| Term II   |                                 |  |           |     |    |
|---|---------------------------------|--|-----------|-----|----|
| Course No.  |                                 | Course Title                               | C         | L   | T  |
| VET   | 121                             | Animal Management                          | 3         | 3   | 4  |
| VET   | 122                             | Veterinary Anatomy & Physiology II         | 3         | 0   | 3  |
| VET   | 123                             | Veterinary Anatomy & Physiology II Lab     | 0         | 3   | 1  |
| EN  | 100                             | Introduction to College Writing (COM Core) | 4         | 0   | 4  |
| <b>CHOOSE ONE</b> (depending upon Math placement) |                                 |  |           |     |    |
| CHM   | 101                             | Life Science Chemistry (MA/SCI Core)       | 3         | 2   | 4  |
| ELECTIVE  | 100-200 Level Math/Science Core |  | 4         | 0   | 4  |
|   |                                 |  | 13/<br>14 | 6/8 | 16 |

| Intersession |  |                                      |   |   |   |
|--------------|--|--------------------------------------|---|---|---|
| Course No.   |  | Course Title                         | C | L | T |
| ELECTIVE     | 100-200 Level Humanities (or Arts/Foreign Language) Core |                                      | 4 | 0 | 4 |
| EN           | 110  | Healthcare Communications (COM Core) | 4 | 0 | 4 |
|              |  |                                      | 8 | 0 | 8 |

| Term III   |                                    |                         |    |   |    |
|------------|------------------------------------|-------------------------|----|---|----|
| Course No. |                                    | Course Title            | C  | L | T  |
| VET        | 131                                | Veterinary Pharmacology | 3  | 3 | 4  |
| VET        | 240                                | Animal Diseases         | 4  | 0 | 4  |
| BIO        | 122                                | Microbiology            | 3  | 2 | 4  |
| ELECTIVE   | 100-200 Level Social Sciences Core |                         | 4  | 0 | 4  |
|            |                                    |                         | 14 | 5 | 16 |



| Term IV         |     |   |    |   |    |
|-----------------|-----|---|----|---|----|
| Course No.      |     | Course Title                                  | C  | L | T  |
| VET             | 242 | Animal Nursing                                | 4  | 0 | 4  |
| VET             | 243 | Small Animal Nursing Lab                      | 0  | 3 | 1  |
| VET             | 244 | Veterinary Anesthesia and Dentistry Lab       | 0  | 3 | 1  |
| VET             | 262 | Veterinary Clinical Laboratory Procedures     | 4  | 0 | 4  |
| VET             | 263 | Veterinary Clinical Laboratory Procedures Lab | 0  | 3 | 1  |
| <i>ELECTIVE</i> |     | <i>100-200 Level Humanities Core</i>          | 4  | 0 | 4  |
| <i>ELECTIVE</i> |     | <i>100-200 Level Social Sciences Core</i>     | 4  | 0 | 4  |
|                 |     |   | 16 | 9 | 19 |

| Term V     |     |  |   |    |    |
|------------|-----|--|---|----|----|
| Course No. |     | Course Title                                       | C | L  | T  |
| VET        | 137 | Laboratory Animal Technology and Lab               | 2 | 3  | 3  |
| VET        | 138 | Veterinary Practicum I                             | 0 | 6  | 2  |
| VET        | 248 | Veterinary Practicum II                            | 0 | 6  | 2  |
| VET        | 250 | Large Animal Nursing Laboratory                    | 0 | 3  | 1  |
| VET        | 254 | Veterinary Anesthesia and Surgical Nursing and Lab | 4 | 3  | 5  |
|            |     |  | 6 | 21 | 13 |

| Term VI                                 |     |                               |   |    |    |
|---|-----|-------------------------------|---|----|----|
| Course No.                              |     | Course Title                  | C | L  | T  |
| VET                                     | 252 | Veterinary Imaging            | 3 | 0  | 3  |
| VET                                     | 253 | Veterinary Imaging Laboratory | 0 | 3  | 1  |
| VET                                     | 258 | Veterinary Practicum III      | 0 | 6  | 2  |
| VET                                     | 260 | Veterinary Management         | 3 | 3  | 4  |
| VET                                     | 268 | Veterinary Practicum IV       | 0 | 6  | 2  |
|   |     |                               | 6 | 18 | 12 |
| <i>Total Quarter Credit Hours = 100</i> |     |                               |   |    |    |

**Legend**

C = Number of lecture hours per week

L = Number of laboratory / practicum hours per week

T = Total Quarter 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.

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

All associate degree students are required to take a minimum of 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 109 must still take 32 credits of core courses.

**PLEASE NOTE:** Students are required to complete all Term 1 through 4 courses, including liberal arts courses, to progress to Term 5 of the curriculum when off-campus practicum experience begins.

*Subject to change.*

**Curriculum  
For Students Starting in the Spring Term**

| <b>Term I</b>                                     |     |                                       |           |          |          |
|---|-----|---------------------------------------|-----------|----------|----------|
| <i>Course No.</i>                                 |     | <i>Course Title</i>                   | <i>C</i>  | <i>L</i> | <i>T</i> |
| VET   | 110 | Introduction to Veterinary Technology | 4         | 0        | 4        |
| VET   | 112 | Veterinary Anatomy & Physiology I     | 3         | 0        | 3        |
| VET   | 113 | Veterinary Anatomy & Physiology I Lab | 0         | 3        | 1        |
| BIO   | 114 | General Biology                       | 3         | 2        | 4        |
| <b>CHOOSE ONE</b> (depending upon Math placement) |     |                                       |           |          |          |
| MA  | 109 | Math for Life Science (MA/SCI Core)   | 4         | 0        | 4        |
| CHM   | 101 | Life Science Chemistry (MA/SCI Core)  | 3         | 2        | 4        |
|   |     |                                       | 13/<br>14 | 5/7      | 16       |

| <b>Intersession</b> |     |  |          |          |          |
|---------------------|-----|--|----------|----------|----------|
| <i>Course No.</i>   |     | <i>Course Title</i>                                      | <i>C</i> | <i>L</i> | <i>T</i> |
| <i>ELECTIVE</i>     |     | 100-200 Level Humanities (or Arts/Foreign Language) Core | 4        | 0        | 4        |
| EN                  | 100 | Introduction to College Writing (COM Core)               | 4        | 0        | 4        |
|                     |     |  | 8        | 0        | 8        |

| <b>Term II</b>                                    |     |  |          |          |          |
|---|-----|--|----------|----------|----------|
| <i>Course No.</i>                                 |     | <i>Course Title</i>                    | <i>C</i> | <i>L</i> | <i>T</i> |
| VET   | 121 | Animal Management                      | 3        | 3        | 4        |
| VET   | 122 | Veterinary Anatomy & Physiology II     | 3        | 0        | 3        |
| VET   | 123 | Veterinary Anatomy & Physiology II Lab | 0        | 3        | 1        |
| EN  | 110 | Healthcare Communications (COM Core)   | 4        | 0        | 4        |
| <b>CHOOSE ONE</b> (depending upon Math placement) |     |  |          |          |          |
| CHM   | 101 | Life Science Chemistry (MA/SCI Core)   | 3        | 2        | 4        |
| <i>ELECTIVE</i>                                   |     | 100-200 Level Math/Science Core        | 4        | 0        | 4        |
|   |     |  | 13/14    | 6/8      | 16       |

| <b>Term III</b>   |     |                                    |          |          |          |
|-------------------|-----|------------------------------------|----------|----------|----------|
| <i>Course No.</i> |     | <i>Course Title</i>                | <i>C</i> | <i>L</i> | <i>T</i> |
| VET               | 131 | Veterinary Pharmacology            | 3        | 3        | 4        |
| VET               | 240 | Animal Diseases                    | 4        | 0        | 4        |
| BIO               | 122 | Microbiology                       | 3        | 2        | 4        |
| <i>ELECTIVE</i>   |     | 100-200 Level Social Sciences Core | 4        | 0        | 4        |
|                   |     |                                    | 14       | 5        | 16       |



| Term IV         |     |   |    |   |    |
|-----------------|-----|---|----|---|----|
| Course No.      |     | Course Title                                  | C  | L | T  |
| VET             | 242 | Animal Nursing                                | 4  | 0 | 4  |
| VET             | 243 | Small Animal Nursing Lab                      | 0  | 3 | 1  |
| VET             | 244 | Veterinary Anesthesia and Dentistry Lab       | 0  | 3 | 1  |
| VET             | 262 | Veterinary Clinical Laboratory Procedures     | 4  | 0 | 4  |
| VET             | 263 | Veterinary Clinical Laboratory Procedures Lab | 0  | 3 | 1  |
| <i>ELECTIVE</i> |     | <i>100-200 Level Social Sciences Core</i>     | 4  | 0 | 4  |
| <i>ELECTIVE</i> |     | <i>100-200 Level Humanities Core</i>          | 4  | 0 | 4  |
|                 |     |   | 16 | 9 | 19 |

| Term V     |     |  |   |    |    |
|------------|-----|--|---|----|----|
| Course No. |     | Course Title                                       | C | L  | T  |
| VET        | 137 | Laboratory Animal Technology and Lab               | 2 | 3  | 3  |
| VET        | 138 | Veterinary Practicum I                             | 0 | 6  | 2  |
| VET        | 248 | Veterinary Practicum II                            | 0 | 6  | 2  |
| VET        | 250 | Large Animal Nursing Laboratory                    | 0 | 3  | 1  |
| VET        | 254 | Veterinary Anesthesia and Surgical Nursing and Lab | 4 | 3  | 5  |
|            |     |  | 6 | 21 | 13 |

| Term VI                                 |     |                               |   |    |    |
|---|-----|-------------------------------|---|----|----|
| Course No.                              |     | Course Title                  | C | L  | T  |
| VET                                     | 252 | Veterinary Imaging            | 3 | 0  | 3  |
| VET                                     | 253 | Veterinary Imaging Laboratory | 0 | 3  | 1  |
| VET                                     | 258 | Veterinary Practicum III      | 0 | 6  | 2  |
| VET                                     | 260 | Veterinary Management         | 3 | 3  | 4  |
| VET                                     | 268 | Veterinary Practicum IV       | 0 | 6  | 2  |
|   |     |                               | 6 | 18 | 12 |
| <i>Total Quarter Credit Hours = 100</i> |     |                               |   |    |    |

**Legend**

C = Number of lecture hours per week

L = Number of laboratory / practicum 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.

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

All associate degree students are required to take a minimum of 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 109 must still take 32 credits of core courses.

*PLEASE NOTE:* Students are required to complete all Term 1 through 4 courses, including liberal arts courses, to progress to Term 5 of the curriculum when off-campus practicum experience begins.

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 211 Oral Communications  
EN 200 Workplace Communications  
HU 208 Rap/Rock and Poetry

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

CHM 101 Life Science Chemistry  
MA 100/110 Introduction to College Math  
MA 105 Basic College Math with Lab  
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 204 Introduction to Theater  
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  
EC 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 206 Constitutional Values in the 21<sup>st</sup> Century  
SS 221 Technology and American Life  
SS 222 Mindful Living

1. Subject to Change



**Degree Progress Checklist – Fall Starts**

Check off each completed course.

**Program Requirements**

|    |     |     |       |
|----|-----|-----|-------|
| T1 | VET | 110 | _____ |
|    | VET | 112 | _____ |
|    | VET | 113 | _____ |
|    | BIO | 114 | _____ |
| T2 | VET | 121 | _____ |
|    | VET | 122 | _____ |
|    | VET | 123 | _____ |
| T3 | VET | 131 | _____ |
|    | VET | 240 | _____ |
|    | BIO | 122 | _____ |
| T4 | VET | 242 | _____ |
|    | VET | 243 | _____ |
|    | VET | 244 | _____ |
|    | VET | 262 | _____ |
|    | VET | 263 | _____ |
| T5 | VET | 137 | _____ |
|    | VET | 138 | _____ |
|    | VET | 248 | _____ |
|    | VET | 250 | _____ |
|    | VET | 254 | _____ |
| T6 | VET | 252 | _____ |
|    | VET | 253 | _____ |
|    | VET | 258 | _____ |
|    | VET | 260 | _____ |
|    | VET | 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 = 4 credits (total of 32 credits)

| <b>Communications Core</b> |    |     |             |       |
|----------------------------|----|-----|-------------|-------|
| #1                         | EN | 100 | T2          | _____ |
| #2                         | EN | 110 | Interession | _____ |

| <b>Math/Science Core</b>          |                                  |     |    |       |
|-----------------------------------|----------------------------------|-----|----|-------|
| #3                                | MA                               | 109 | T1 | _____ |
| #4                                | CHM                              | 101 | T2 | _____ |
| or                                |                                  |     |    |       |
| If you placed out of MA 109 take: |                                  |     |    |       |
| #3                                | CHM                              | 101 | T1 | _____ |
| #4                                | 100-200 level MA/SCI<br>elective |     | T2 | _____ |

| <b>Humanities Core*</b> |                           |  |             |       |
|-------------------------|---------------------------|--|-------------|-------|
| #5                      | 100-200 level HU elective |  | Interession | _____ |
| #6                      | 100-200 level HU elective |  | T4          | _____ |

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

| <b>Social Sciences Core</b> |                           |  |    |       |
|-----------------------------|---------------------------|--|----|-------|
| #7                          | 100-200 level SS elective |  | T3 | _____ |
| #8                          | 100-200 level SS elective |  | T4 | _____ |

Subject to change.  
Please see your advisor for any questions.

PLEASE NOTE: Students are required to complete all Term 1 through 4 courses, including liberal arts courses, to progress to Term 5 of the curriculum when off-campus practicum experience begins.

**Degree Progress Checklist – Spring Starts**

Check off each completed course.

**Program Requirements**

|    |     |     |       |
|----|-----|-----|-------|
| T1 | VET | 110 | _____ |
|    | VET | 112 | _____ |
|    | VET | 113 | _____ |
|    | BIO | 114 | _____ |
| T2 | VET | 121 | _____ |
|    | VET | 122 | _____ |
|    | VET | 123 | _____ |
| T3 | VET | 131 | _____ |
|    | VET | 240 | _____ |
|    | BIO | 122 | _____ |
| T4 | VET | 242 | _____ |
|    | VET | 243 | _____ |
|    | VET | 244 | _____ |
|    | VET | 262 | _____ |
|    | VET | 263 | _____ |
| T5 | VET | 137 | _____ |
|    | VET | 138 | _____ |
|    | VET | 248 | _____ |
|    | VET | 250 | _____ |
|    | VET | 254 | _____ |
| T6 | VET | 252 | _____ |
|    | VET | 253 | _____ |
|    | VET | 258 | _____ |
|    | VET | 260 | _____ |
|    | VET | 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 = 4 credits (total of 32 credits)

| <b>Communications Core</b> |    |     |             |       |
|----------------------------|----|-----|-------------|-------|
| #1                         | EN | 100 | Interession | _____ |
| #2                         | EN | 110 | T2          | _____ |

| <b>Math/Science Core</b>          |                           |     |    |       |
|-----------------------------------|---------------------------|-----|----|-------|
| #3                                | MA                        | 109 | T1 | _____ |
| #4                                | CHM                       | 101 | T2 | _____ |
| or                                |                           |     |    |       |
| If you placed out of MA 109 take: |                           |     |    |       |
| #3                                | CHM                       | 101 | T1 | _____ |
| #4                                | Choose elective this core |     | T2 | _____ |

| <b>Humanities Core*</b> |                           |  |             |       |
|-------------------------|---------------------------|--|-------------|-------|
| #5                      | Choose elective this core |  | Interession | _____ |
| #6                      | Choose elective this core |  | T4          | _____ |

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

| <b>Social Sciences Core</b> |                           |  |    |       |
|-----------------------------|---------------------------|--|----|-------|
| #7                          | Choose elective this core |  | T3 | _____ |
| #8                          | Choose elective this core |  | T4 | _____ |

Subject to change.  
Please see your advisor for any questions.

PLEASE NOTE: Students are required to complete all Term 1 through 4 courses, including liberal arts courses, to progress to Term 5 of the curriculum when off-campus practicum experience begins.

## **Course Descriptions**

### **VET 110 Introduction to Veterinary Technology**

*4 Class Hours 4 Quarter Credit Hours*

This course introduces students to the role of veterinary technicians as members of the veterinary healthcare team. This course covers medical terminology, professional ethics and legal regulation, companion animal breeds, pet loss, bereavement and euthanasia, occupational hazards and professional organizations.

### **VET 112 Veterinary Anatomy and Physiology I**

*3 Class Hours 3 Quarter Credit Hours*

This course is the first of two courses where the veterinary technology student will comprehensively study the structure and function of the animal body. Topics will include the dynamic equilibrium between the animal's body and the external environment, levels of organization in the animal body, properties and distribution of body fluids, the integumentary, musculoskeletal, and nervous systems.

### **VET 113 Veterinary Anatomy and Physiology I Lab**

*3 Lab Hours 1 Quarter Credit Hour*

The laboratory is designed to assist in learning the material presented in Veterinary Anatomy and Physiology I lecture through hands-on activities which will include examination of cells and tissues under a microscope, bones, anatomical models, and dissection of animal specimens. Units covered include general introductory material, histology, integumentary system, skeletal system, muscular system, and the nervous system.

### **VET 121 Animal Management**

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

*Prerequisites: VET 110, VET 112, VET 113, BIO 114 with a C or better*

This course covers the care and management of companion animals, ruminants, and horses. Emphasis will be on husbandry including handling, care, feeding, breeding, behavior, and disease prevention.

### **VET 122 Veterinary Anatomy and Physiology II**

*3 Class Hours 3 Quarter Credit Hours*

*Prerequisites: VET 110, VET 112, VET 113, BIO 114 with a C or better*

A continuation of Veterinary Anatomy and Physiology I, this course concentrates on the cardiovascular, digestive, respiratory, endocrine, urinary, and reproductive systems. Also covered is the anatomy and physiology of birds, reptiles, and amphibians.

### **VET 123 Veterinary Anatomy and Physiology II Lab**

*3 Lab Hours 1 Quarter Credit Hour*

*Prerequisites: VET 110, VET 112, VET 113, BIO 114 with a C or better*

The laboratory is designed to assist in learning the material presented in Veterinary Anatomy and Physiology II lecture through hands-on activities which will include examination of anatomical models and dissection of animal specimens. Units covered include the cardiovascular system, respiratory system, digestive system, urinary system, reproductive system, endocrine system, and avian anatomy.

### **VET 131 Veterinary Pharmacology**

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

*Prerequisites: VET 121, VET 122/123, MA 109 with a C or better, CHM 101 with a C or better*

Principles of veterinary pharmacology including pharmacokinetics, pharmacodynamics, drug indications, side effects, contraindications and practical applications of drugs including drug handling, dosing calculation, administration methods, prescription writing, and terminology.



**VET 137 Laboratory Animal Technology and Lab**

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

*Prerequisites: VET 242, VET 243, VET 244, VET 262, VET 263*

This course introduces the field of laboratory animal science and exotic companion animal care and management. Topics covered include the biology, reproduction, behavior, housing, nutritional requirements, handling, environmental enrichment, healthcare, research use and welfare of laboratory and exotic companion animal species. The laboratory reinforces important concepts and students will have hands-on experience with proper handling and clinical skills. *Practical experience will include rotations through local veterinary facilities and may occur on days/times other than scheduled class days.*

**VET 138 Veterinary Practicum I**

*6 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: VET 242/243, VET 244, VET 262/263 and permission of Veterinary Technology Program Director*

*Co-requisite: VET 248*

This is an introductory practical experience in the application of veterinary technology at an off-campus site which may include a small animal hospital or clinic or other approved veterinary facility. Students work under the supervision of a veterinarian or credentialed veterinary technician while observing and assisting members of the veterinary healthcare team. Students will perform introductory skills found in the AVMA CVTEA Veterinary Technology Student Essential and Recommended Skills List that fall within the job descriptions of the veterinary technicians and support staff employed at the site. *Practical experience will include rotations through local veterinary facilities and may occur on days/times other than scheduled class days.*

**VET 240 Animal Diseases**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisites: VET 121, VET 122/123, BIO 114*

This course covers the principles of disease as they apply to veterinary medicine. Topics include classification of causes of disease, response to injury, sources and transmission of agents of disease, common diseases of companion, farm, avian, and exotic animals. Additionally, students will study veterinary parasitology, toxicology, and the epidemiology of major zoonotic diseases.

**VET 242 Animal Nursing**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisites: VET 131, VET 240, BIO 114, BIO 122*

*Co-requisite: VET 243*

This course introduces clinical skills for the veterinary technician. Topics include handling and restraint, general nursing care of the patient, examination room procedures, drug administration, client education and communication. Additional clinical nursing skills covered include venipuncture, bandaging, electrocardiograph recording, and other clinical techniques. Veterinary nursing procedures and teamwork are emphasized.

**VET 243 Small Animal Nursing Lab**

*3 Lab Hours 1 Quarter Credit Hour*

*Prerequisites: VET 131, VET 240, BIO 114, BIO 122*

*Co-requisite: VET 242*

This laboratory provides hands-on experience in clinical skills for the veterinary technician including handling, restraint, general nursing care of the patient, examination room procedures, drug administration, client education, and communication. Additional clinical nursing skills covered include venipuncture, bandaging, electrocardiograph recording, and other clinical techniques. Veterinary nursing procedures and teamwork are emphasized. *Practical experience through rotations at off-campus facilities may be required.*



**VET 244 Veterinary Anesthesia and Dentistry Lab**

*3 Lab Hours 1 Quarter Credit Hour*

*Prerequisites: VET 131, VET 240, BIO 114, BIO 122*

This course provides knowledge and practical experience in dentistry and anesthesia. Topics include parts and preparation of the anesthesia equipment and related materials to ensure safe and reliable operation; knowledge of anatomy and physiology as it applies to anesthesia; dental anatomy, nomenclature and charting; equipment, instruments and supplies as they relate to dentistry; prophylaxis techniques; dental radiography; pathophysiology of periodontal disease; and home care for the client.

**VET 248 Veterinary Practicum II**

*6 Lab Hours 2 Quarter Credit Hours*

*Prerequisite: Permission of Veterinary Technology Program Director*

*Co-requisite: VET 138*

This continuation of VET 138 is a practical experience in the application of veterinary technology at an off-campus site which may include a small animal hospital or clinic or other approved veterinary facility. Students work under the supervision of a veterinarian or credentialed veterinary technician while observing and assisting members of the veterinary healthcare team. Students will focus on mastery of skills performed in VET 138. *Practical experience will include rotations through local veterinary facilities and may occur on days/times other than scheduled class days.*

**VET 250 Large Animal Nursing Laboratory**

*3 Lab Hours 1 Quarter Credit Hour*

*Prerequisites: VET 242, VET 243, VET 244, VET 262/263*

This laboratory provides hands-on experience in equine and bovine techniques including handling and restraint, husbandry, collecting diagnostic specimens, bandaging, and equine radiography. *Practical experience through rotations at off-campus farms will be required.*

**VET 252 Veterinary Imaging**

*3 Class Hours 3 Quarter Credit Hours*

*Prerequisites: VET 137, VET 138, VET 248, VET 250, VET 254*

*Co-requisite: VET 253*

This course provides knowledge of the basic concepts of veterinary radiology including x-ray generation, image recording, image handling and processing, positioning and restraint, radiation safety, and special procedures.

**VET 253 Veterinary Imaging Laboratory**

*3 Lab Hours 1 Quarter Credit Hour*

*Prerequisites: VET 137, VET 138, VET 248, VET 250, VET 254*

*Co-requisite: VET 252*

This laboratory provides hands-on experience with the entry-level skills for veterinary technicians in radiology including x-ray generation, image recording, image handling, image processing, positioning, restraint, special procedures, and radiation safety.

**VET 254 Veterinary Anesthesia and Surgical Nursing and Lab**

*4 Class Hours 3 Lab Hours 5 Quarter Credit Hours*

*Prerequisites: VET 242, VET 243, VET 244, VET 262/263*

This course provides knowledge and practical experience in surgical assisting, postoperative care, and anesthesiology. Topics include anesthesia administration and monitoring, anesthetic and surgical instrumentation, preparation of the surgical patient, preparation of the surgeon and surgical assistant, and postoperative monitoring. *Practical experience may include rotations through local veterinary facilities and may occur on days/times other than scheduled class days. Overtime in the lab may occur due to prolonged patient recovery from anesthesia.*



**VET 258 Veterinary Practicum III**

*6 Lab Hours 2 Quarter Credit Hours*

*Prerequisites: VET 137, VET 138, VET 248, VET 250, VET 254, and permission of Veterinary Technology Program Director*

*Co-requisite: VET 268*

This is an intermediate practical experience in the application of veterinary technology at an off-campus site which may include a small animal hospital or clinic, equine or large animal ambulatory practice, animal research facility, emergency facility, specialty/referral practice or other approved veterinary facility. Students work under the supervision of a veterinarian or credentialed veterinary technician while observing and assisting members of the veterinary healthcare team. Students will perform intermediate skills found in the AVMA CVTEA Veterinary Technology Student Essential and Recommended Skills List that fall within the job descriptions of the veterinary technicians and support staff employed at the site. *Practical experience will include rotations through local veterinary facilities and may occur on days/times other than scheduled class days.*

**VET 260 Veterinary Management**

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

*Prerequisites: VET 137, VET 138, VET 248, VET 250, VET 254*

This course provides knowledge of economics in veterinary practice, management of veterinary facilities, technician utilization, marketing, use of electronic medical records, human resources, inventory control, malpractice issues, medical emergency management and client communications. Preparation for the VTNE is emphasized.

**VET 262 Veterinary Clinical Laboratory Procedures**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisites: VET 131, VET 240, BIO 122*

*Co-requisite: VET 263*

This course provides study in the principles and procedures for the veterinary practice laboratory. Topics include veterinary parasitology, microbiology, immunology, hematology, cytology, urinalysis, and blood chemistries.

**VET 263 Veterinary Clinical Laboratory Procedures Laboratory**

*3 Lab Hours 1 Credit Hour*

*Prerequisites: VET 131, VET 240, BIO 122*

*Co-requisite: VET 262*

This laboratory provides hands-on experience in veterinary clinical laboratory procedures including veterinary parasitology, microbiology, immunology, hematology, cytology, urinalysis, and blood chemistries.

**VET 268 Veterinary Practicum IV**

*6 Lab Hours 2 Quarter Credit Hours*

*Prerequisite: Permission of Veterinary Technology Program Director*

*Co-requisite: VET 258*

This continuation of VET 258 is a practical experience in the application of veterinary technology at an off-campus site which may include a small animal hospital or clinic, equine or large animal ambulatory practice, animal research facility, emergency facility, specialty/referral practice or other approved veterinary facility. Students work under the supervision of a veterinarian or credentialed veterinary technician while observing and assisting members of the veterinary healthcare team. Students will focus on mastery of skills performed in VET 258. *Practical experience will include rotations through local veterinary facilities and may occur on days/times other than scheduled class days.*

**BIO 114 General Biology**

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

This is a basic course intended to provide students an overview of the study of biology; offering students with a foundation in the scientific method of inquiry. Basic biologic topics presented will include the nature and history of scientific study, diversity of organisms, basic cellular structure and function, evolution, population biology, human biology, plant biology, ecology, reproduction/development, and genetics.

**BIO 122 Microbiology**

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

The morphology, physiology and pathology of microbial organisms are covered along with dynamics of microbial populations. Emphasis is placed on disease causation and implications for health care providers.



**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 204 Introduction to Theater**

*4 Class Hours 4 Quarter Credit Hours*

This course will provide students with both a theoretical and practical understanding of acting and the theatrical process as evidenced by theatrical scenes, performed by students as a final project. Theater exercises will guide students toward self-discovery in order to explore character development and the interpretation of the content/themes of various plays. Students will write character analysis essays as a method for understanding the specific elements of acting necessary to accurately portray a given character. Students will also explore the ways in which a play is translated into a production with an emphasis on differentiating the functions of the playwright, the actor, the director, set designer and other members of a production team.

**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 100/110 or MA 105 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 Feinstein 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 Feinstein 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 sound tracks 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 105 Basic College Math with Lab**

*4 Class Hours 2 Lab Hours 5 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 105 or MA 106 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 101 or EN 110*

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

Prerequisite: EN 101 or EN 110

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 206 Constitutional Values in the 21<sup>st</sup> Century**

*4 Class Hours 4 Quarter Credit Hours*

*Prerequisite: EN 100*

This course is an introduction to constitutional law and will utilize a historical examination of major United States Supreme Court decisions to better understand contemporary federal and state judicial interpretations of constitutional theory and individual freedoms. It will focus on government powers, the federal court system and judicial review. It will also closely examine those individual freedoms guaranteed under the Bill of Rights and will critically analyze the controversial issues of gun control and the death penalty. Students will also understand how the interpretation of the Constitution involves the application of individual and societal values. These topics will be reinforced through case briefs, persuasive essays, current event worksheets, group activities, debates and media presentations.

**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.

Evening Classes: Technical classes meet on the average of three nights a week, although there may be times when they will meet four nights a week. Classes normally begin at 5:45 p.m.

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 day, evening 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 an on-campus lecture 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 will need to be a full-time student and take courses as 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 are required to complete all Quarter 1 through 4 courses, including liberal arts courses, to progress to Quarter 5 of the curriculum when off-campus practicum experience begins.

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

**7. Is NEIT accredited?**

NEIT is accredited by the New England Commission of Higher Education (formerly the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges, Inc.). 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 credits will be considered for admission on the basis of achieving a 3.0 GPA in each of the courses equivalent to EN 200 Workplace Communications (or EN 110 Healthcare Communications), EN 100 Introduction to College Writing, and MA 109 Math for Life Sciences. Transfer credit for other appropriate courses taken at an accredited institution will be considered for courses in which the student has earned a "C" or above. 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 technical courses based on the program rate and will be applied against the final term of the curriculum's tuition amount. No tuition credit is provided for courses which are not a part of the technical veterinary technology curriculum.

**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 seven terms necessary to complete your degree requirements.

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

The Office of 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 program, 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. Is the Veterinary Technology program accredited?**

NEIT is accredited by the American Veterinary Medical Association (AVMA) as a program for educating veterinary technicians.

American Veterinary Medical Association (AVMA)  
Committee on Veterinary Technician Education and Activities (CVTEA)  
Education and Research Division  
1931 N. Meacham Rd., Suite 100  
Schaumburg, IL 60173-4630  
800/248-2862 ext. 6624  
www.avma.org



**16. How many students will be in my clinical laboratory experience classes?**

The average size for clinical laboratory experiences is about 8 to 12 students per lab.

**17. Where will my practical experiences be?**

Practical experiences will include rotations at off-campus veterinary facilities, farms, and animal shelters.

**18. What if I need to leave the program and re-enter at a later date?**

It is in the best interest of students to adhere to the prescribed curriculum without interruption. Students who are not enrolled during one or more terms of their program or in VET classes may find that there is a wait list in place at the time they want to return to NEIT or to VET classes. Students should check with their Student Advisor for further details about wait list procedures.

All VET classes must be completed within three years from the date of initial entry into the program. Any student who delays their VET courses, or withdraws and re-enters the program will either have to retake any VET courses that were taken over three years earlier or the student will be offered a Challenge Exam to demonstrate competency for any courses in which the credits are no longer current, at the discretion of the Program Director.

**19. Does the Veterinary Technology Program accept experiential learning to earn credit for veterinary technology courses?**

Although transfer credit from another college may be considered, no experiential learning or challenge exams are offered for Veterinary Technology courses.

**20. Does the Veterinary Technology Program accept high school courses to earn credit for veterinary technology courses?**

High school agricultural and veterinary assisting courses are very valuable preparation for the program but no college credit is granted for these courses.

**21. What is a Veterinary Technician?**

A veterinary technician (VT) is an integral member of the veterinary health care team. Veterinary technicians are educated in the care and handling of animals, the basic principles of normal and abnormal life processes, and in routine clinical and laboratory procedures. All veterinary technicians in private practice work under the supervision of a veterinarian. Examples of areas of responsibility for veterinary technicians include surgical assisting, anesthesiology, radiology, caring for hospitalized patients, administering vaccines and medications, dental prophylaxis, collecting and performing clinical laboratory procedures, client education, physical examination and patient history, and office/hospital management. Veterinary technicians cannot diagnose, prescribe, or perform surgery.

**22. When I graduate, will I be a Certified Veterinary Technician (CVT)?**

Upon completing the program, you will receive an Associate in Science Degree in Veterinary Technology. Only individuals who have graduated from an AVMA accredited veterinary technology program within an accredited institution may sit for the Veterinary Technician National Examination (VTNE, the mandatory examination for CVTs) in Rhode Island. Once you apply for certification through the RI Veterinary Technician Association and have passed the VTNE you are officially a CVT and may practice as one. You have the opportunity to register for the examination and apply for certification, licensure, or registration in any of the 50 states in the United States.

**23. When is the national board exam offered?**

The Veterinary Technician National Examination (VTNE) is given several times throughout the year. For exam dates and application deadlines, contact the American Association of Veterinary State Boards on the internet at <http://aavsb.org/VTNE/>

**24. Who employs Veterinary Technicians?**

While the majority of veterinary technicians are employed in private practice, the American Veterinary Medical Association indicates that “the demand for technicians is rapidly expanding to include new employment opportunities in both human and health-related fields such as: biomedical research, colleges/universities, zoos and wildlife facilities, military service, food safety inspection, diagnostic laboratories, veterinary supply sales, humane societies and animal control facilities, and drug and feed manufacturing companies.

**25. What is the work environment for veterinary technicians?**

Most people who work with animals get tremendous satisfaction caring for them. Sometimes work can be physically and emotionally demanding, and there is a risk of physical injury such as a bite or scratch or contracting a zoonotic disease (a disease transmissible from animals to people). Also, veterinary technicians must witness and assist in the euthanasia of terminally ill patients, unwanted pets, or vicious animals and may experience emotional distress.

**26. What if I have taken science courses more than 3 years ago?**

All science courses should be completed within 3 years of entering the veterinary technology program. These courses are important and serve as foundation courses for the information you will receive in the program. Students will have the opportunity to take a challenge exam or College Level Examination Program (CLEP) test. The CLEP test allows students to earn credit for knowledge they have acquired through independent study, prior course work, on-the-job training, professional development, cultural pursuits, or internships.



**27. Is there any open lab time?**

Most laboratories and especially those utilizing live animals will not be open outside of scheduled course times. Attendance is mandatory and participation in the laboratory is integral to learning the important techniques and acquiring the essential skills necessary to succeed. If preparatory assignments are completed, there is sufficient time built into your lab schedule to complete required tasks.

**28. Are good math skills a necessary requirement for success as a veterinary technician?**

Yes, dosage calculations are made by veterinary technicians on a daily basis. Ability to utilize these skills is required in clinical practice settings.

**29. Is dissection a requirement in the anatomy laboratory?**

Yes, dissection of cadaver animals and organs is a central part of the veterinary anatomy and physiology laboratories.

**30. What skills will I learn during my Veterinary Technology education?**

The American Veterinary Medical Association requires that students understand or master many didactic and hands-on skills in areas such as Hospital Procedures, Client Communications, Pharmacy and Pharmacology, Small and Large Animal Nursing, Anesthesia, Surgical Nursing, Laboratory Procedures, Laboratory and Exotic Animal Procedures, and Imaging. The full list can be found at <https://www.avma.org/ProfessionalDevelopment/Education/Accreditation/Programs/Pages/cvtea-pp-appendix-i.aspx>

**31. If I should experience a disruption in my veterinary technology (VET) courses, due to illness, etc., is there a laboratory skill refresher course that might be available to me?**

No. The experience students obtain from the clinical rotations at health care facilities cannot be duplicated in the laboratory.

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

Yes. For all terms, a grade of C or better must be attained in all VET, BIO, and CHM courses in order to advance to the next term. A grade of C or better is required in MA 109. A cumulative grade point average of at least 2.00 must be maintained throughout the program. A student will be dismissed from the program if any two VET courses are not passed with a C or better.

**33. Is there a Veterinary Technology Program attendance policy?**

Yes. Professional behaviors are an integral part of becoming a veterinary technician. Professional behaviors include prompt and consistent attendance. In preparing to become members of the healthcare team, students in the Veterinary Technology program must acknowledge how their actions affect others and take responsibility for their own actions. All Veterinary Technology instructors value and require active participation in classes, your lateness or absence has negative effects on everyone. Attendance is based on time in class, from beginning to end of each session. Any student missing more than 20% of overall class time in either the lecture or the lab will automatically fail the course. There will be no exceptions. Additionally, all work missed due to absence or tardiness, regardless of cause, must be made up to the satisfaction of the instructor. A student who knows that he or she will be absent is expected to call the instructor in advance. The student is responsible for getting assignments from instructors in advance so that the necessary work will be completed before the student leaves or immediately upon his or her return. Speaking to a classmate about what you missed is not a substitute for speaking to your instructor. Students must take responsibility for contacting the instructor regarding class, lab or fieldwork that was missed. Students should also be aware that some quizzes, tests and classroom assignments cannot be made up. Missing a laboratory session does not release the student from his/her responsibility for laboratory content.

Students will be required to demonstrate clinical competencies (essential skills) normally obtained during the scheduled laboratory session at a time and location convenient to the faculty instructor(s). Failure to do so will result in a final course grade of "F". In some circumstances, a make-up laboratory session is

impossible – failure to attend these unique laboratory experiences will result in a final course grade of “F”. Courses in which these unique learning laboratories occur are clearly identified in the course syllabi.

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

In addition to what is stated in the university catalog, all students enrolled in the veterinary technology program are required to have proof of pre-exposure rabies vaccination and/or proof of a protective titer (where appropriate) prior to the start of Quarter II. The estimated cost of the rabies vaccine series is \$1150.00, which may be covered by your health insurance policy. Uniforms, equipment, laboratory fees and textbooks will also need to be purchased. Some practicum sites may have individual health provision requirements.

**35. Where can I purchase a uniform and what kind of uniform do I need?**

Students may purchase items for their uniforms online at Alexander's Uniforms <http://aucorporateapparel.com/>. At the site's homepage, click "New England Institute of Technology" from either the icon or the left tab, then select your department from the list. All items are priced to include a 15% discount. If you have any questions, contact Wendy Magnette via email at [wmagnette@alexandersuniforms.com](mailto:wmagnette@alexandersuniforms.com) or at 401-654-6500.

|  |  |
|--|--|
| The required uniforms include:                     |  |
| Navy Cherokee 4777 Unisex Scrub Top with emb. logo | \$15.80 (S-XL) \$18.35 (2X-5X)                                 |
| Navy Cherokee 4100 Unisex Scrub Pant               | \$11.90 (XXS-XL; XS S-XL S) \$14.45 (S T-XL T) \$13.60 (2X-5X) |

You may also purchase your uniform items at Alexander's Uniforms at one of their three locations (recommended if you are unsure of the size): 1) *Rhode Island*: Marshall's Plaza, 1 Lambert Lind Highway, Warwick RI 02886, 860-889-7744, 401-654-6500; 2) *Connecticut*: 77 Salem Turnpike, Norwich, CT 06360, 781-762-1449; 3) *Massachusetts*: 500 Providence Highway, Norwood MA 02062. A Student ID is needed to ensure you receive your 15% discount at checkout.

**36. Are there any health provision requirements?**

In addition to the physical exam, required immunizations, students should be in good physical condition. Veterinary Technicians are required to have quick reflexes to avoid being injured by animals, and may be required to do some heavy lifting (ca. 50 lbs.). Students must have hearing ability sufficient to hear and understand equipment alarms, verbal instructions given by someone wearing a surgical face mask, and sounds given off by animals in pain/distress. Students must have normal or corrected visual ability to observe, assess and/or treat animals both up close and at a distance. All students will be exposed to x-ray equipment and anesthetic gases, so the Program Director must be alerted to any pregnancy, condition that renders a student immunocompromised, or any other pertinent mental or physical condition, and a physician's letter will be required.

Due to the inherently unpredictable behavior of animals, there is an element of assumed risk in all animal related activities. All students must sign a Release and Assumption of Risk agreement before they can begin the program.

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

Veterinary technology students are expected to exhibit professional behavior on an ongoing basis. This behavior will be assessed on a continual basis and will not only encompass grades, but also adherence to classroom protocol, laboratory safety, attendance, participation and preparedness for class, appearance, ability to work as a team member, and general professional behavior. Practicum participation is dependent on the above.

**38. Are there evening classes?**

Currently there are no evening classes offered in the veterinary technology program. However, students may choose to take their liberal arts classes during evening hours, on Saturday or online.

**39. Which personal traits fit best with a career in veterinary technology?**

Students need good study habits and excellent critical thinking and problem solving skills. Confidence, reliability, determination, and an eagerness to learn will guide you in your pursuit to help animals as a veterinary technician.

**40. Must I attend classes during the summer 5-week intersession?**

The liberal arts courses need to be completed by Quarter 5. This may include having to take up to two liberal arts classes during Intersession.

**41. What is a Practicum?**

A Practicum is a practical veterinary experience that expands student knowledge and builds proficiency of skills acquired in the classroom and laboratory. This Practicum is afforded by a cooperative effort between the student, the faculty, and a private veterinary hospital, clinic, zoo or biomedical research facility. The facility is chosen by the student and must be approved by the program director. Students are required to complete a minimum cumulative 240 contact hours.

**42. Where do I go for the Veterinary Practicum? Will that site be provided for me or must I find a site on my own?**

A practicum may be completed at various veterinary facilities throughout the region but must be approved in writing by the Program Director. These clinical experiences may be held on weekends, and weekday morning and evening time schedules. NEIT cannot guarantee placement at a particular facility and it is the student's responsibility to make the arrangements for a practicum. Although the faculty will be glad to help with the selection of a clinic or facility, the student will be responsible for contacting a veterinary facility, making an appointment, setting up the interview, and making the final arrangements after the Program Director's approval. Students should be prepared to commute for practicum experiences. NEIT does not provide transportation to internship sites nor does it reimburse students for traveling expenses (parking, mileage, etc.). Some veterinary practicum sites may require a criminal background check and/or drug testing.

**43. Can I complete the Veterinary Technology Program and go on to veterinary school to get my DVM?**

Yes, but the career path of a veterinary technician is divergent from that as a Doctor of Veterinary Medicine. The Veterinary Technology Program prepares the student for a career in veterinary technology and focuses on the clinical and academic preparation for this role. Application to veterinary school will require additional coursework and will require you to complete your veterinary school pre-requisites at another college or university.

**44. Is any continuing education required after graduation from NEIT?**

Yes, many state associations require a certain number of hours of continuing education (CE) to renew certification. Additionally, ongoing advances in treatments and technology necessitate taking advantage of educational opportunities to keep knowledge and skills up to date.

**45. Is there a Veterinary Technician Code of Ethics?**

Yes, the Code has been developed by the National Association of Veterinary Technicians in America and can be found on the internet at <https://www.navta.net/about-navta/about-navta>



### **Technical Standards for Veterinary Technology**

The field of veterinary technology is both intellectually and physically challenging. The American with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 ensure that qualified applicants have the ability to pursue program admission. However, all students must meet the essential skills and technical standards to perform functions required of the Veterinary Technician program and profession. Every student will be held to the same standards with or without reasonable accommodations.

#### **General Physical Requirements**

Students must:

- Possess the physical ability to
  - tolerate walking and standing for at least ten minutes at a time, multiple times per hour.
  - lift and/or carry up to 50 pounds from floor to waist level or higher at least several times per day
  - lift objects weighing up to 50 pounds to a height of one meter or higher and carry the object or animal for a distance of two meters without assistance.
  - Use hands and arms to handle, install, position and move materials, equipment, and supplies without assistance.
  - Handle, position, and restrain live animals of small and large animal species.
- Be able to have sustained contact with multiple species of animals and be amenable to learning the safe handling, restraining, and working with these animals. An individual should not be allergic to any species of animals to the extent that would prohibit working in a facility that has them.

#### **Cognitive Ability**

Students must:

- Be able to function in a structured environment within significant time constraints and capable of making rapid decisions in urgent situations and meeting deadlines.
- Possess a willingness to assist with and perform a wide variety of routine medical, surgical, and diagnostic procedures common to the veterinary setting; including humane euthanasia and handling of sick, injured, fractious, or aggressive animals without fear
- Be able to complete required tasks/functions under stressful and/or unpredictable conditions, including emergency situations.
- Be able to access information from books, reference manuals, computers, and paper and electronic medical documents to perform duties and safely use equipment without assistance.
- Be able to prioritize, organize, and utilize time-management skills to perform tasks.
- Evaluate, synthesize and communicate diagnostic information to the attending veterinarian and/or staff.
- Be able to progress toward minimal supervision as they advance through the program.

#### **Communication Skills**

Students must:

- Read, write, speak and report accurately and effectively in English.
- Comprehend and carry out complex written and oral instructions given in English.
- Be able, when communicating with other individuals by speech, either in person or by telephone, to make legible and coherent written notes in English within the margins and space provided on the appropriate forms.

#### **Professionalism and Interpersonal Skills**

Students must:

- Demonstrate professional and socially appropriate behavior; maintain cleanliness and personal grooming consistent with close human and animal contact.

- Be able to interact appropriately with clients and all members of the veterinary healthcare team.
- Have the ability to exercise good judgment and make appropriate professional and procedural judgment decisions under stressful and/or emergency conditions (i.e. unstable patient condition), emergent demands (i.e. stat test orders), and a distracting environment (i.e., high noise levels, complex visual stimuli, aggressive animals).

### **Manual Dexterity and Mobility**

Students must:

- Be able to move his/her entire body a distance of no less than three meters within two seconds of a signal to do so, to move rapidly from danger while handling animals in confined spaces.
- Possess fine motor movements in order to perform the *essential functions* of the profession. This includes the dexterity to manipulate small equipment, adjust resistance on equipment, hold hooves while cleaning and evaluating, manage syringes, catheters, and common surgical instruments.
- Possess tactile ability necessary for physical assessment and to perform nursing duties in a timely manner. This includes performing palpation during physical exams, administering oral, intramuscular, subcutaneous, and intravenous medication, insert and remove tubes, collect organic samples from live animals and perform wound care.
- Possess the ability to palpate and interpret findings, i.e. palpation of pulses, lymph nodes or trachea to determine proper endotracheal tube size.
- Be able to hold surgical instruments in one hand and perform fine movements with such instruments. This includes ability to assist in holding of hemostats or other instruments while assisting in surgery; induce and monitor general anesthesia in an animal patient; place intravenous and urinary catheters without assistance.
- Be able to hold, manipulate, or tie materials ranging from a cloth patch to a very fine string. This includes the ability to hold and manipulate a surgical sponge; tie a 00 silk suture; endotracheal intubation; intravenous injection; catheterize animals to obtain sample of urine and/or other body fluids; apply bandages without assistance.

### **Auditory, Olfactory, and Visual Skills**

Veterinary technicians must have functional use of senses to safely and correctly assess patients and interpret and record data.

Students must:

- Possess adequate visual ability, with or without correction, that allows the determination of minute areas of detail, very small variations in color and adequate depth perception (size, shape and texture), including differentiation of details as viewed through a microscope. This includes ability to characterize and interpret the color, odor, clarity, and viscosity of body structures and fluids, observe variations in skin and mucus membrane color, integrity, pulsations, tissue swelling, etc.
- Possess visual ability to allow for observation and assessment as necessary in nursing care both from a distance and close by in order to recognize physical status and non-verbal responses including behaviors.
- Possess auditory ability necessary to monitor and assess health status, including auscultation of heart and lungs, and hear equipment alarms and warning sounds from animals, humans, and/or equipment of impending danger or injury.
- Recognize and respond appropriately to distress sounds from animal and alarms/warning signals on animal-monitoring equipment directly and through intercommunication systems to ensure patient safety.
- Detect and respond appropriately to odors in order to maintain environmental safety and patient needs.
- Be able to use a compound microscope to identify cells and organisms and be able to differentiate colors of stained objects.
- Be able to observe movement at a distance ranging from 30-45 centimeters to 15-20 meters at a discrimination level that permits detection of subtle differences in movement of the limbs in animals. This includes ability to detect and describe a change in color of hair coat caused by licking or trauma;



detect abnormal head posture in a parakeet; monitoring respiratory rate during anesthesia; ability to read anesthesia monitoring equipment.

- Be able to discriminate shades of black and white patterns in which the band is not more than 0.5 mm in width. This includes ability to characterize bacterial hemolysis on a blood agar plate; density patterns on a radiograph; and ability to see ECG tracing.
- Possess adequate depth perception to allow detection of a 0.5 cm elevation which is no more than 1cm in diameter on a slightly curved surface having a slightly irregular surface. This includes detection of tissue swelling on the hip on a smooth-haired dog; determining presence of reaction to skin testing for allergies.
- Be able to perceive the natural or amplified human voice without lip reading to permit oral communication in a surgery room with all occupants wearing surgical masks.
- Be able to perceive the origin of sound as needed to detect movement of large animals in a pen or corral; monitoring multiple patients in an ICU.

**New England Institute of Technology Veterinary Technology Program  
Inherent Dangers in Working with Animals**

**Student Release and Assumption of Risk**

DUE TO THE INHERENT HAZARDS OF WORKING WITH LIVE ANIMALS and the procedures performed on animals in the Veterinary Technology Program (VTP), students are expected to conduct themselves in a manner consistent with good safety practices. DESPITE GOOD SAFETY PRACTICES, ANIMALS ARE UNPREDICTABLE and UNFORSEEN CIRCUMSTANCES MAY STILL OCCUR WHICH COULD RESULT IN PERSONAL INJURY OR DEATH TO A STUDENT. Working with animals always carries a risk of physical injury or death from bites, scratches, kicks, exposure to zoonotic diseases (a disease transmittable from animals to humans), and allergies.

In addition, working with animals of several species is a VTP requirement. There are additional inherent dangers when working with large animals, especially from kicking & biting. Even when all precautions are taken, accidents may happen. A well trained, normally calm horse or cow can spook unexpectedly. Due to the inherently unpredictable behavior of animals, there is an element of assumed risk in all animal related activities while participating in the Program.

WITH FULL KNOWLEDGE OF THE INHERENT DANGERS IN WORKING WITH ANIMALS, I UNDERSTAND THAT THERE ARE RISKS THAT I MAY BE EXPOSED TO WHICH MAY BE DANGEROUS TO ME AND WHICH POSE THE POTENTIAL RISK OF SEVERE AND SERIOUS PHYSICAL INJURY/ILLNESS, OR EVEN DEATH. DESPITE THE POSSIBLE DANGERS AND RISKS, AND DESPITE THIS RELEASE, I VOLUNTARILY UNDERTAKE TO PARTICPATE IN AND ASSUME ALL RESPONSIBILTY AND RISK ASSOCIATED IN WORKING WITH ANIMALS IN THIS PROGRAM.

To the extent permitted by law, I HOLD HARMLESS and RELEASE New England Institute of Technology (NEIT) , ITS TRUSTEES, OFFICERS, EMPLOYEES, CLINICAL SITES, LIVE ANIMAL PROVIDERS, and AGENTS, FROM ANY LIABILITY WHATSOEVER ARISING OUT OF MY INJURIES WHICH I MAY RECEIVE RESULTING FROM UNPREDICTABLE BEHAVIOR CAUSED BY ANIMALS, INCLUDING BUT NOT LIMITED TO LOSS OF LIMB OR LIFE. FURTHERMORE, I DO HEREBY WAIVE ANY CLAIM TO COMPENSATION FOR INJURIES SUFFERED BY ME, CAUSED BY THE UNPREDICTABLE BEHAVIOR OF ANIMALS.

I understand that NEIT does not provide medical coverage for students and that I am financially responsible for any medical services needed by me as a result of my participation in this Program, including emergency care in the event I am INJURED. I acknowledge that I have been advised by NEIT to acquire health or accident insurance.

I CERTIFY THAT I HAVE CAREFULLY READ AND UNDERSTAND THE ABOVE STATEMENTS AND THAT I FREELY AND VOLUNTARILY SIGN THIS RELEASE AND ASSUMPTION OF RISK.

STUDENT

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Signature)

DATED: \_\_\_\_\_



**VETERINARY TECHNOLOGY**

**ACKNOWLEDGMENT OF RABIES VACCINE REQUIREMENT**

I hereby acknowledge and understand that, as a condition of my graduation from the Veterinary Technology Program at New England Institute of Technology, I will be required to participate in live animal courses in the veterinary technology department.

I further acknowledge and understand that before I will be allowed to participate in live animal courses:

- I will be required to obtain a minimum of three (3) doses of Rabies Vaccine at my own expense.
- If the vaccine was administered to me within the past two years, I must produce documentation of the vaccination.
- If the primary vaccine series was administered to me longer than two years ago, I must provide documentation of a protective titer.
- If antibody levels are below acceptable level, a booster vaccination is required.

---

Printed Name of Student

---

Student ID No.

---

Student's Signature

---

Date