

CAREER STUDIES CERTIFICATE S

# Health Technology

**Purpose:** Each of the Health Technology Career Studies Certificates is designed to provide students with a course of study that will assist them to prepare for admission to and success in the Virginia Western Health Technology AAS or Certificate restricted admission program of their choice. Graduates will have completed prerequisites and support courses that are required in one of Virginia Western’s Associate Degree programs in Dental Hygiene, Nursing, Radiography; or the Certificate in Practical Nursing or Radiation Oncology. Students should be aware that completion of a career studies program **does not** guarantee admission to an Associate Degree or Certificate program.

Students who wish to apply for admission to the distance education programs in either Veterinary Technology, offered by Blue Ridge Community College (BRCC); or Surgical Technology, offered by Piedmont Community (PVCC) **must** apply to either BRCC or PVCC for admission to these programs.

**Admission Requirements:** Applicants must meet the general requirements for admission to the college.

Developmental courses are required for students with deficiencies in English and mathematics.

**All students, regardless of program interest, must hold either a high school diploma or GED.** Science and mathematics prerequisites must be completed with a grade of “C” or better.

**For Associate Degree programs in Dental Hygiene, and Nursing, students must complete one unit each of high school or college Biology, Chemistry and BIO 141, BIO 142 (Anatomy and Physiology I and II). For the Radiography Associate Degree Program, students must complete two units of high school or college Biology, Chemistry, or Physics.**

In addition—

- for students interested in **Dental Hygiene:** Algebra I and Algebra II
- for students interested in **Nursing:** Algebra I
- for students interested in **Radiography:** Algebra I and Algebra II.

For Certificate programs:

- for students interested in **Practical Nursing:** one unit of high school or college Biology, Algebra I
- for **Radiation Oncology:** two units of high school or college Biology, Chemistry, or Physics (recommended); Algebra I, Algebra II, and Geometry.

For application materials and additional program information, please see our Health Technology website at <http://www.virginiawestern.edu/ht>, for Veterinary Technology visit <http://community.brcc.edu/vettech>, and for Surgical Technology information visit <http://www.pvcc.edu/surgtech>.

**CURRICULUM AND OTHER REQUIREMENTS** **CREDITS**

**ALL OPTION - GENERAL EDUCATION CORE COURSES ONLY**

**PRE-DENTAL HYGIENE OPTION (221-118-01)**

BIO 141*	..... Human Anatomy and Physiology I	.....4
BIO 142*	..... Human Anatomy and Physiology II	.....4
ENG 111*	..... English Composition I	.....3
HLT 143 <sup>1</sup>	..... Medical Terminology I	.....3
NAS 185*	..... Microbiology	.....4
PSY 230	..... Developmental Psychology	.....3
SDV 100	..... College Success Skills (or SDV 108)	.....1
E <sup>6</sup>	..... Humanities/Fine Arts Elective	.....3
<b>Total Credits for Certificate</b>		<b>..... 25</b>

**PRE-NURSING OPTION (221-156-02)**

BIO 141*	..... Human Anatomy and Physiology I	.....4
BIO 142*	..... Human Anatomy and Physiology II	.....4
ENG 111*	..... English Composition I	.....3
HLT 141 <sup>8</sup>	..... Intro to Medical Terminology	.....1
ITE 102 <sup>3</sup>	..... Computer & Information Systems	.....1
NAS 185*	..... Microbiology	.....4
PSY 200	..... Introduction to Psychology	.....3
PSY 230	..... Developmental Psychology	.....3
SDV 100	..... College Success Skills (or SDV 108)	.....1
E <sup>6</sup>	..... Humanities/Fine Arts Elective	.....3
<b>Total Credits for Certificate</b>		<b>..... 27</b>

**PRE-PRACTICAL NURSING OPTION (221-157-02)**

BIO 101*	..... General Biology I	.....4
ENG 111*	..... College Composition I	.....3
HLT 106	..... First Aid and Safety	.....2
HLT 143 <sup>1</sup>	..... Medical Terminology I	.....3
PSY 200 <sup>7</sup>	..... Introduction to Psychology	.....3
SDV 100	..... College Success Skills (or SDV 108)	.....1
<b>Total Credits for Certificate</b>		<b>..... 16</b>

## CAREER STUDIES CERTIFICATE

## Health Technology cont'd

CURRICULUM AND OTHER REQUIREMENTS	CREDITS
<b>PRE-RADIOGRAPHY OPTION (221-172-01)</b>	
BIO 141 <sup>2*</sup> .....	Human Anatomy and Physiology I .....4
BIO 142 <sup>2*</sup> .....	Human Anatomy and Physiology II .....4
ENG 111* .....	English Composition I .....3
HLT 143 .....	Medical Terminology I .....3
SDV 101 .....	Orientation to Radiography.....1 (or SDV 100 or SDV 108)
E <sup>6</sup> .....	Humanities/Fine Arts Elective .....3
E <sup>4</sup> .....	Social Science Elective .....3
<b>Total Credits for Certificate</b> .....	<b>21</b>

**PRE-RADIATION ONCOLOGY OPTION (221-112-01)**

BIO 141* .....	Human Anatomy and Physiology I .....4
BIO 142* .....	Human Anatomy and Physiology II .....4
ENG 111* .....	College Composition I .....3
HLT 143 <sup>1</sup> .....	Medical Terminology I .....3
ITE 102 <sup>3</sup> .....	Computer & Information Systems .....1
MTH 163* .....	Pre-Calculus .....3
SDV 100 .....	College Success Skills (or SDV 108) .....1
<b>Total Credits for Certificate</b> .....	<b>19</b>

**DISTANCE LEARNING OPTIONS****PRE-SURGICAL TECHNOLOGY OPTION (221-159-07)**

for the Certificate offered by Piedmont Virginia Community College (PVCC)

BIO 141-142* ..	Anatomy and Physiology I-II .....8
ENG 111* .....	College Composition I .....3
HLT 143 .....	Medical Terminology I .....3
NAS 185* .....	Microbiology .....4
SDV 100 .....	College Success Skills (or SDV 108) .....1
<b>Total Credits for Certificate</b> .....	<b>19</b>

CURRICULUM AND OTHER REQUIREMENTS	CREDITS
<b>PRE-VETERINARY TECHNOLOGY OPTION (221-188-01)</b>	
for the AAS degree offered by Blue Ridge Community College (BRCC)	
CHM 111* .....	College Chemistry I .....4
ENG 111* .....	College Composition I .....3
HLT/PED .....	Health or Physical Education .....2
SDV 100 .....	College Success Skills (or SDV 108) .....1
E <sup>5</sup> .....	Social Science Elective .....3
E <sup>6</sup> .....	Humanities/Fine Arts Elective .....3
<b>Total Credits for Certificate</b> .....	<b>16</b>

<sup>1</sup> Highly recommended for all students. Dental Hygiene, Radiation Oncology and Practical Nursing applicants may substitute a general elective.

<sup>2</sup> NAS 171 and an elective may be substituted for BIO 141 and BIO 142 for the Pre-Radiography curriculum only. NAS 171 is offered in fall semester only.

<sup>3</sup> If ITE 115 is taken, it may be substituted for ITE 102.

<sup>4</sup> Radiography students may select any Social Science elective from the "Approved List of Transfer Courses"; however, PSY 200 is the preferred choice for Radiography.

<sup>5</sup> Social Science electives must be selected from the "Approved List of Transfer courses." If the student is transferring to a four-year institution, the student should select the Social Science courses at VWCC that will satisfy the Social Science requirements at the four-year institution.

<sup>6</sup> Humanities/Fine Arts elective must be chosen from the "Approved List of Humanities Transfer Courses." A two-semester sequence of the same course is strongly recommended. If planning on transfer, contact four-year institution for requirements.

<sup>7</sup> Practical Nursing students are encouraged to complete PSY 200, however, a three credit elective can be substituted.

<sup>8</sup> Nursing students must take HLT 141. HLT 143 will not substitute for HLT 141.

\* This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.