

Program Requirement Sheet
Associate of Applied Science Degree
RESPIRATORY THERAPY TECHNOLOGY

I. TECHNICAL COURSES **34**

<u>Dept</u>	<u>Course</u>	<u>Title</u>	<u>Credit Hours</u>
RTT	11000	Introduction to Respiratory Therapy	3
RTT	11001	Pharmacology	3
RTT	11002	Cardiopulmonary Diseases	3
RTT	11003	Cardiopulmonary Physiology	3
RTT	11004	ABG/EKG Interpretation	2
RTT	11005	Mechanical Ventilation	2
RTT	12001	Clinical Education I	1
RTT	12002	Clinical Education II	2
RTT	21000	Critical Care	3
RTT	21001	Neonatal and Pediatric Respiratory Care	3
RTT	21002	Long Term Care and Rehabilitation	3
RTT	21010	Contemporary Issues in RT	1
RTT	21011	CRT/RRT Preparation	1
RTT	22001	Clinical Education III	2
RTT	22002	Clinical Education IV	2

II. RELATED COURSES **15**

<u>Dept</u>	<u>Course</u>	<u>Title</u>	<u>Credit Hours</u>	<u>Sem./Yr.</u>
BSCI	20020	Biological Structure and Function*	5	_____
BSCI	20021	Microbiology*	3	_____
BSCI	20022	Microbiology Lab*	1	_____
CHEM	10050	Fundamentals of Chemistry*	3	_____
PHY	12111	Physics for Health Technologies*	3	_____

III. GENERAL STUDIES **14**

<u>Department</u>	<u>Course</u>	<u>Title</u>	<u>Credit Hours</u>	<u>Sem./Yr.</u>
COMM	15000	Intro to Human Communication*	3	_____
ENG	11011	College Writing I*	3	_____
MATH	11009	Modeling Algebra*	4	_____
PSYC	11762	General Psychology*	3	_____
US	10097	First Year Colloquium*	1	_____

TOTAL **63**

*Course can be taken prior to program admission

Program Requirement Sheet
 Associate of Applied Science Degree
RESPIRATORY THERAPY TECHNOLOGY
 2008-2009

Student Name: _____
 Campus: _____

DRAFT

FOUNDATIONAL PRESCRIPTION COURSES
 determined by Basic Skills Assessment (Check Required Courses)

Dept.	Course Number	Course Title	Credit Hours	Sem./Yr. Complete	Related Course	Credit Hours	Sem./Yr. Completed
ENG	11001	Intro. to College Writing S (3)	6				
ENG	11002	College Writing I - Stretch (3)	1				
MATH	10031	Fundamentals of Math I	1				
MATH	10032	Fundamentals of Math II	1				
MATH	10033	Fundamentals of Math III	1				
MATH	10034	Fundamentals of Math IV	1				
MATH	10035	Fundamentals of Math V	1				
MATH	10036	Fundamentals of Math VI	1				
US	10003	Reading Strat/College Success	3				
US	10006	Study Strat/for College Success	3				

RELATED COURSES*

Dept.	Course Number	Course Title	Credit Hours	Sem./Yr. Completed
BSCI	20020	Biological Structure and Function	5	
BSCI	20021	Microbiology	3	
BSCI	20022	Microbiology Lab	1	
CHEM	10050	Fundamentals of Chemistry	3	
PHY	12111	Physics for Health Technologies	3	
Total Related Course Hours			15	

GENERAL STUDIES COURSES*

Dept.	Course Number	Course Title	Credit Hours	Sem./Yr. Completed
COMM	15000	Introduction to Human Communication	3	
ENG	11011	College Writing I	3	
MATH	11009	Modeling Algebra	4	
PSYC	11762	General Psychology	3	
US	10097	First Year Colloquium	1	
Total General Studies Course Hours			14	

TECHNICAL COURSES

Dept.	Course Number	Course Title	Credit Hours	Sem./Yr. Completed	Grd (0-4)	Qty.	Point	Core GPA
RTT	10000	Introduction to Respiratory Therapy	3					
RTT	11001	Pharmacology	3					
RTT	11002	Cardiopulmonary Disease	3					
RTT	11003	Cardiopulmonary Physiology	3					
RTT	11004	ABG/EKG Interpretation	2					
RTT	11005	Mechanical Ventilation	2					
RTT	12001	Clinical Education I	1					
RTT	12002	Clinical Education II	2					
RTT	21000	Critical Care	3					
RTT	21001	Neonatal and Pediatric Respiratory Care	3					
RTT	21002	Long Term Care and Rehabilitation	3					
RTT	21010	Contemporary Issues in RT	1					
RTT	21011	CRT/RTT Preparation	1					
RTT	22001	Clinical Education III	2					
RTT	22002	Clinical Education IV	2					
Total Technical Course Hours			34					

TOTAL REQUIREMENTS

Student Signature _____ Date _____
 Advisor Signature _____ Date _____

Notes
 Core GPA = Technical Quality Points / Technical Credit Hours
 *Courses may be taken prior to program admission.

Associate of Applied Science Degree
RESPIRATORY THERAPY TECHNOLOGY
 Course Sequence

First Year

Spring Semester		16
RTT 11000	Intro to Respiratory Therapy	3
BSCI 20020	Biological Structure and Function	5
CHEM 10050	Fundamentals of Chemistry	3
MATH 11009	Modeling Algebra	4
US 10097	First Year Colloquium	1
Summer		13
RTT 11001	Pharmacology	3
RTT 11002	Cardiopulmonary Diseases	3
RTT 11003	Cardiopulmonary Physiology	3
RTT 1200 0 ¹	Clinical Education I	1
PHY12111	Physics for Health Technologies	3
Fall Semester		13
RTT 11004	ABG/EKG Interpretation	2
RTT 11005	Mechanical Ventilation	2
RTT 1200 0 ²	Clinical Education II	2
BSCI 20021	Microbiology	3
BSCI 20022	Microbiology Lab	1
ENG 11011	College Writing I	3

Second Year

Spring Semester		11
RTT 21000	Critical Care	3
RTT 21001	Neonatal and Pediatric Respiratory Care	3
RTT 22001	Clinical Education III	2
PSYC 11762	General Psychology	3
Fall Semester		10
RTT 21002	Long Term Care & Rehabilitation	2
RTT 21010	Contemporary Issues in RT	2
RTT 21011	Preparation for CRT/RRT	1
RTT 22002	Clinical Education IV	2
COMM 15000	Introduction to Human Communication	3
TOTAL DEGREE REQUIREMENTS		63

Associate of Applied Science Degree
RESPIRATORY THERAPY TECHNOLOGY

Prerequisite Courses

Mathematics

High School Algebra

OR

MATH 10005 Introduction to College Math 3

OR

MATH 10034 Fundamental Math IV 1

Biology

High School Biology

OR

BSCI 10001 Human Biology 3

Chemistry

High School Chemistry

OR

CHEM 10030 Chemistry in Our World 3

Medical Terminology

HED 14020 Medical Terminology 3

All developmental coursework indicated as necessary by the COMPASS basic skills test must be completed.

Regional Campuses

US	10001	University Orientation	1
			<u>TOTAL</u> 71

*Tuscarawas students must take MATH 11011, 11022, 19002 (10 hours) or MATH 12001, 12002 (9 hours) due to ABET accreditation. For Tuscarawas students the Related Courses hours are 19-20 and the total hours are 70-71.

INSECT AAS in Respiratory Therapy Technology

The Associate of Applied Science in Systems/Industrial Engineering Technology provides students with knowledge and skills in the areas of analysis and measurement in a variety of industries. Students receive hands-on experience with the equipment used in machine tool operations, testing and analysis and computer-aided design. This major is available at the Trumbull and Tuscarawas campuses. Systems engineering also is available as an individualized program option under mechanical engineering technology at the Ashtabula Campus. Not all courses are available at all campuses, nor are all courses regularly scheduled.

A.A.S. in Veterinary Technology

The Associate of Applied Science in Veterinary Technology program is offered at the Tuscarawas Campus. With the successful completion of the program, graduates are awarded the Associate of Applied Science in Veterinary Technology and are eligible for registration in the state of Ohio. Students interested in the program should apply directly to the Tuscarawas Campus and meet with the campus program director. Admission to the program is selective. Detailed information and requirements for admission, satisfactory progress and graduation can be obtained from the Kent State Tuscarawas program office.

I. TECHNICAL COURSES	.37
EERT 22014 Microprocessors and Robotics	4
IERT 22000 Statistical Process Control	4
22006 Economic Decision Analysis	3
22010 Computer Integrated Manufacturing	3
MERT 12000 Engineering Drawing	3
12001 Computer-Aided Drafting	4
12004 Manufacturing Processes	3
22009 Robotics and Flexible Automation	3
<i>Choose 10 hours from:</i>	10
COMT 21008 Computer Methods in Science and Engineering (3)	
EERT 22004 Digital Systems (3)	
IERT 12005 Applications in CAD (2)	
22001 Motion and Time Study (3)	
22003 Supervision and Labor Relations (5)	
22004 Facilities Engineering (2)	
22005 Production and Inventory Control (2)	
22008 Taguchi Process Improvement (3)	
II. RELATED COURSES	.19
EERT 22003 Technical Computing	3
MATH* 11011 College Algebra	4
11012 Intuitive Calculus	3
11022 Trigonometry	2
PHY 12201 Technical Physics I	3
12202 Technical Physics II	4
III. GENERAL STUDIES COURSES	.14
COMM 15000 Introduction to Human Communication	3
ENG 11011 College Writing I	3
20002 Introduction to Technical Writing	3
Social Sciences or Humanities electives	4
<i>from the LER courses.</i>	
US 10001 University Orientation	1
<u>TOTAL</u> 70	

I. TECHNICAL COURSES	.35
VTEC 10001 Introduction to Veterinary Technology	2
10002 Veterinary Nursing I	3
10204 Clinical Laboratory I	3
10205 Veterinary Nursing II	3
10206 Pharmacology	2
20008 Clinical Laboratory II	3
20009 Veterinary Nursing III	3
20010 Imaging Techniques	3
20212 Surgery and Anesthesia	3
20213 Nutrition and Disease	2
20214 Veterinary Nursing and Hospital Procedures	3
20392 Veterinary Hospital Practicum	5
II. RELATED COURSES	.21
BSCI 10100 Anatomy for Veterinary Technicians	5
10110 Biological Diversity	4
20021 Basic Microbiology	3
CHEM 10050 Fundamentals of Chemistry	3
10052 Introduction to Organic Chemistry	2
10053 Inorganic and Organic Laboratory	1
HED 14020 Medical Terminology	3
III. GENERAL STUDIES COURSES	.16
COMM 15000 Introduction to Human Communication	
or	
20001 Interpersonal Communication	3
ENG 11011 College Writing I	3
Humanities electives	3
Social Sciences electives	6
US 10001 University Orientation	1
<u>TOTAL</u> 72	

Regional Campuses

Program Requirement Sheet
 Associates of Applied Science Degree
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The Associate of Applied Science in Respiratory Therapy Technology is offered at the Ashtabula Campus. With successful completion of the program, graduates are eligible to sit for the registry examination to become a Registered Respiratory Therapist. Respiratory therapists work as members of a team of healthcare professionals working in a wide range of clinical settings to evaluate, treat, and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders. Students interested in the program should apply directly to the Ashtabula Campus and meet with the program director.

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RTT	21000	Critical Care	3	_____
RTT	21001	Neonatal and Pediatric Respiratory Care	3	_____
RTT	21002	Long Term Care and Rehabilitation	3	_____
RTT	21010	Contemporary Issues in RT	1	_____
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