# **REAL Curriculum Program Alignment Proposal**

Respiratory Therapy – Clinical Health

Department or School: Professions Date: 09/25/2020

Degree type: 

BS DBA DBBA DBSN DBM DBFA DBSW DMinor DCertificate

Program: Respiratory Therapy

REAL Area Program Designation Sought (check all that apply):

Dept/School Contact: Chase Poulsen 5404922220 cpoulsen@radford.edu

BS/BA Requirements: See Below

- Any degree program that fulfills a REAL area must include at least 9 unique credit hours for each area covered. At least 3 of these 9 credit hours must be at the 300 level or above
- A single major degree program may fulfill no more than three REAL areas for any one student, unless all four REAL areas are fulfilled by accreditation or licensure requirements.
- A single minor or certificate degree program may fulfill no more than two REAL areas.
- Degree program may cover up to two REAL areas using a single prefix.
- All courses documenting the coverage of a REAL area must fulfill all learning outcomes and be designated in that area.
- All courses that document fulfillment of a REAL area within a degree program of study are NOT
  required to be taught by the department/school. However, departments/schools are expected to
  formally communicate with other departments about reliance on and inclusion of courses in their
  degree program plans of study. Indicate this through signature of chair or director of the
  partnering department or school in the areas below.
- Departments or schools that seek to fulfill REAL areas must acknowledge assessment requirements for those areas. Assessment of degree seeking students is required to be conducted yearly by the department or school offering the degree program.
- If departments or schools want to use a menu of courses to fulfill a particular area, please
  duplicate the sections below for each REAL area and include information for each course
  included in the menu of options.
- Please save this file for submission as PROGRAM NAME\_ProgramType.docx (Example: Criminal Justice BS.docx)

By signing, the department/school acknowledges the above conditions and considerations:

Dept/School Signature	Date:10/8/2020

#### Official Program Description:

Please paste the entire official program description from the Radford University catalog in the space within this box. Find those here: <a href="https://catalog.radford.edu/">https://catalog.radford.edu/</a>

Please note that every department/school will have to submit a catalog change proposal for program that asks the Registrar's Office to insert language about the program coverage of the REAL areas into the official Radford University catalog upon approval.

### **Mission**

The mission of the Respiratory Therapy Program is to prepare professional, ethical, knowledgeable, competent, and compassionate Registered Respiratory Therapists (RRT).

## **Goals/Outcomes**

Upon completion of the Respiratory Therapy Program, our graduates will demonstrate competency in cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by Registered Respiratory Therapists (RRTs). Graduates will be able to

- 1. demonstrate critical thinking skills with a comprehensive knowledge base (cognitive skills) by assessing the patient's condition, developing a plan of treatment, and modifying that treatment as needed so that safe and quality cardio-respiratory therapy is given,
- demonstrate competency in diagnostic and therapeutic clinical (psychomotor) skills
  necessary to perform the expanding number of procedures that fall under cardiopulmonary
  care,
- 3. demonstrate ethical, caring, and culturally competent behaviors (affective skills) toward the patient, family members, and other members of the healthcare team,
- 4. demonstrate effective professional communication,
- integrate health promotion and disease prevention strategies into current healthcare practice while focusing on quality and cost-effective protocols,
- 6. use empirical, evidence-based literature to support decisions within the scientific field, and
- 7. pursue graduate education in education, management, research, and other health care related fields.

# **Background**

The Respiratory Therapy Program is a four-year program distributed over nine semesters. Foundational courses are delivered within the first two years. The blend of classroom, laboratory, and clinical components is designed to prepare students for careers as Respiratory Therapists. Respiratory Therapy courses begin in the junior year and are interspersed with other foundational courses.

R Area: Course Prefix: BIO Course Number: 310 Course Title: Anatomy and Physiology I	Is this course required or an elective for your degree program? ☒ Required ☐ Elective Is this course offered within your dept/school? ☒ Yes ☐ No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
Credit Hours: 4 New course: ☐ Yes ☒ No Revised course: ☐ Yes ☒ No	Course Rotation:   ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)  Intended Frequency: ☐ Every academic year ☐ Every semester ☐ Every other year  ☐ At least once every three years ☐ Other
Projected student enrollment per academic year: 42	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Attached email
R Area: Course Prefix: BIO Course Number: 311 Course Title: Anatomy and Physiology II	Is this course required or an elective for your degree program? ☒ Required ☐ Elective Is this course offered within your dept/school? ☒ Yes ☐ No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
Credit Hours: 4 New course: ☐ Yes ☒ No Revised course: ☐ Yes ☒ No	Course Rotation: ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)  Intended Frequency: ☐ Every academic year ☐ Every semester ☐ Every other year ☐ At least once every three years ☐ Other
Projected student enrollment per academic year: 42	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Attached email
R Area: Course Prefix: BIO Course Number: 334 Course Title: Microbiology Credit Hours: 4	Is this course required or an elective for your degree program? ☒ Required ☐ Elective Is this course offered within your dept/school? ☒ Yes ☐ No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
New course: ☐ Yes ☒ No Revised course: ☐ Yes ☒ No Projected student	Course Rotation:  ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)  Intended Frequency: ☐ Every academic year ☐ Every semester ☐ Every other year ☐ At least once every three years ☐ Other
enrollment per academic year: 42	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Attached email
R Area: Course Prefix: STAT Course Number: 130 Course Title: Statistics Credit Hours: 3	Is this course required or an elective for your degree program? ☒ Required ☐ Elective Is this course offered within your dept/school? ☐ Yes ☒ No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
New course: ☐ Yes ☒ No Revised course: ☐ Yes ☒ No	Course Rotation: ☐ Fall ☐ Spring ☐ Intersession ☒ Summer  Intended Frequency: ☒ Every academic year ☐ Every semester ☐ Every other year ☐ At least once every three years ☐ Other
Projected student enrollment per academic year:	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See Email
R Area: Course Prefix: HSCI Course Number: 300 Course Title: Foundations in Healthcare Research Credit Hours: 3	Is this course required or an elective for your degree program? ☒ Required ☐ Elective Is this course offered within your dept/school? ☐ Yes ☒ No If no, collaborating dept/school must also complete the remaining elements, and must sign below.
Credit Hours: 3	Course Rotation: ☐ Fall ☑ Spring ☐ Intersession ☐ Other (Explain below)

	New course: ☐ Yes ☒ No	Intended Frequency: ☐ Every academic year ☐ Every semester ☐ Every other year
	Revised course: ☐ Yes	☐ At least once every three years ☐ Other
	No	
	Drainated student	Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
	Projected student enrollment per academic	designation if not offered in deptyschool:
	year:	
L	,	
ĺ	R Area:	
	Learning Goal: To apply scien related areas.	tific and quantitative reasoning to questions about the natural world, mathematics, or
	Learning Outcome 1: Student	
	apply scientific and quantitat	
	information to test problems	
	draw conclusions.	opt into the assessment that the university will offer for indirect and direct measures.
ŀ	Learning Outcome 2:	Description of learning outcome assessment plan:
	Students evaluate the quality	
	data, methods, or inferences	· · · · · · · · · · · · · · · · · · ·
	to generate scientific and	opt into the assessment that the university will offer for indirect and direct
	quantitative knowledge.	measures.
İ	Additional information for RE	AL Council consideration: Courses required by program Accreditation (The CoARC)
l		<u> </u>
	CULTURAL OR BEHAVIORAL AI	NALYSIS [Required GE =
	A Area:	Is this course required or an elective for your degree program? ☑ Required ☐ Elective
	Course Prefix: RETH	Is this course offered within your dept/school? ☑ Yes ☐ No
	Course Number: 309	If no, collaborating dept/school must also complete the remaining elements, and must sign
	Course Title: Patient Assessment	below.
	Credit Hours: 3	
	New course: ☐ Yes ☒ No	Course Rotation: Spring Intersession Other (Explain below) Summer
	Revised course: ☐ Yes ☒ No	Intended Frequency: ☑ Every academic year ☐ Every semester ☐ Every other year
	Nevisea coarse. 🗖 Tes 🛂 No	☐ At least once every three years ☐ Other
	Projected student	Signature of collaborating chair/director indicating acknowledgement for inclusion and
	enrollment per academic	designation if not offered in dept/school:
	year: 42	acsignation in not offered in acpt serious.
	A Area:	Is this course required or an elective for your degree program? ☒ Required ☐ Elective
	Course Prefix: HADM	Is this course offered within your dept/school? $\square$ Yes $\square$ No
	Course Number: 300 Course Title: US Healthcare	If no, collaborating dept/school must also complete the remaining elements, and must sign
	Systems	below.
	Credit Hours: 3	Course Datation Michigan Distriction Michigan Course
	New course: ☐ Yes ☒ No	Course Rotation:  ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below) Summer
	Revised course: ☐ Yes ☒	Intended Frequency: ☐ Every academic year ☒ Every semester ☐ Every other year
	No	☐ At least once every three years ☐ Other
		Signature of collaborating chair/director indicating acknowledgement for inclusion and
	Projected student	designation if not offered in dept/school:
	enrollment per academic	
	year: 60	
	A Area:	Is this course required or an elective for your degree program? $\boxtimes$ Required $\square$ Elective
	Course Prefix: HADM	Is this course offered within your dept/school? ☐ Yes ☒ No
	Course Number: 305	If no, collaborating dept/school must also complete the remaining elements, and must sign
	Course Title: Healthcare	below.
	Management	

Credit Hours: 3	Course Rotation:  ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)	
New course: ☐ Yes ☒ No	Intended Frequency: ⊠ Every academic year □ Every semester □ Every other year	
Revised course: ☐ Yes 🗵	☐ At least once every three years ☐ Other	
No		
	Signature of collaborating chair/director indicating acknowledgement for inclusion and	
Projected student	designation if not offered in dept/school:	
enrollment per academic		
year: 25		
A Area:		
	e context and interactions of culture(s) and/or behavior(s).	
Learning Outcome 1: Student	·	
describe behaviors, beliefs, co		
social institutions, and/or	developed for REAL minors and that programs to opt into. This program plans to	
environments.	opt into the assessment that the university will offer for indirect and direct	
Learning Outcome 2, Student	measures.	
Learning Outcome 2: Student analyze the interactions of	Description of learning outcome assessment plan: The plan for assessment is to use the university-based assessment that will be	
behaviors, beliefs, cultures, s	· · · · · · · · · · · · · · · · · · ·	
institutions, and/or environm		
mistrations, and/or environm	measures.	
Additional information for RE	AL Council consideration: Courses required by program Accreditation (The CoARC)	
APPLIED LEARNING	72 country consideration, coarses required by program recreated on the control	
ATTELED LEARNING		
L Area:	Is this course required or an elective for your degree program? ☒ Required ☐ Elective	
Course Prefix: RETH	Is this course offered within your dept/school? ☑ Yes ☐ No	
Course Number: 308C	If no, collaborating dept/school must also complete the remaining elements, and must sign	
Course Title: Clinical Practice	below.	
1		
Credit Hours: 1	Course Rotation: ☐ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)	
New course: ☐ Yes ☒ No	eodise Notation.	
Revised course: ☐ Yes ☒ No	Intended Frequency: ☑ Every academic year ☐ Every semester ☐ Every other year	
	☐ At least once every three years ☐ Other	
Projected student	Entitleast office every times years in other	
enrollment per academic	Signature of collaborating chair/director indicating acknowledgement for inclusion and	
year: 42	designation if not offered in dept/school:	
L Area:	Is this course required or an elective for your degree program? ☒ Required ☐ Elective	
Course Prefix: RETH	Is this course offered within your dept/school? ☑ Yes ☐ No	
Course Number: 318C	If no, collaborating dept/school must also complete the remaining elements, and must sign	
Course Title: Clinical Practice	below.	
II		
Credit Hours: 3	Course Rotation: ☐ Fall ☑ Spring ☐ Intersession ☐ Other (Explain below)	
New course: ☐ Yes 🗵 No	(	
Revised course: ☐ Yes ☒ No	Intended Frequency: ☑ Every academic year ☐ Every semester ☐ Every other year	
	☐ At least once every three years ☐ Other	
Projected student	Enterest office every times years in other	
enrollment per academic	Signature of collaborating chair/director indicating acknowledgement for inclusion and	
year: 42	designation if not offered in dept/school:	
L Area:	Is this course required or an elective for your degree program? ☒ Required ☐ Elective	
Course Prefix: RETH	Is this course offered within your dept/school? ☑ Yes ☐ No	
Course Number: 448C	If no, collaborating dept/school must also complete the remaining elements, and must sign	
Course Title: Clinical Practice	below.	
III		
Credit Hours: 3		

		01/14/2020	
New course: ☐ Yes ☒ No	Course Rotation:	☑ Fall ☐ Spring ☐ Intersession ☐ Other (Explain below)	
Revised course: ☐ Yes ☒ No			
	Intended Frequency:	☑ Every academic year ☐ Every semester ☐ Every other year	
Projected student		☐ At least once every three years ☐ Other	
enrollment per academic			
year: 42	Signature of collaborating chair/director indicating acknowledgement for inclusion and		
	designation if not offe	· · · · · · · · · · · · · · · · · · ·	
L Area:		d or an elective for your degree program? ☑ Required ☐ Elective	
Course Prefix: RETH Course Number: 478C		within your dept/school? ⊠ Yes □ No	
Course Title: Clinical Practice	_	ept/school must also complete the remaining elements, and must sign	
IV	below.		
Credit Hours: 3	Course Rotation:	□ Fall ▼ Spring □ Intersection □ Other (Explain below)	
New course: ☐ Yes ☒ No	Course Rotation.	☐ Fall ☑ Spring ☐ Intersession ☐ Other (Explain below)	
Revised course: ☐ Yes ☒ No	Intended Fraguency	M Every academic year D Every competer D Every other year	
	intended Frequency.	⊠ Every academic year  □ Every semester □ Every other year     □ At least once every three years □ Other.	
Projected student		☐ At least once every three years ☐ Other	
enrollment per academic	Signature of collabor:	ating chair/director indicating acknowledgement for inclusion and	
year: 42	designation if not offe		
L Area:		d or an elective for your degree program? ⊠ Required ☐ Elective	
Course Prefix: RETH	·	within your dept/school? ⊠ Yes □ No	
Course Number: 488C		ept/school must also complete the remaining elements, and must sign	
Course Title: Clinical	below.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Specialty Rotation			
Credit Hours: 1	Course Rotation:	☐ Fall ☑ Spring ☐ Intersession ☐ Other (Explain below)	
New course: ☐ Yes ☒ No		,	
Revised course: ☐ Yes ☒ No	Intended Frequency:	☑ Every academic year ☐ Every semester ☐ Every other year	
		☐ At least once every three years ☐ Other	
Projected student			
enrollment per academic	Signature of collabora	ating chair/director indicating acknowledgement for inclusion and	
year: 42	designation if not offer	ered in dept/school:	
I Aven.			
L Area:	ofessional practice thro	ough the application of knowledge, skills, and critical reflection.	
Learning Outcome 1: Student		f learning outcome assessment plan:	
acquired knowledge and skills		assessment is to use the university-based assessment that will be	
develop professional identity	· ·	developed for REAL minors and that programs to opt into. This program plans to	
professional practice.	· ·	ssessment that the university will offer for indirect and direct	
	measures.		
Learning Outcome 2: Student	s Description of	f learning outcome assessment plan:	
critically reflect on their learn	ing, The plan for a	ssessment is to use the university-based assessment that will be	
abilities, experiences, or role	within developed for	r REAL minors and that programs to opt into. This program plans to	
professional contexts.	opt into the a	ssessment that the university will offer for indirect and direct	
	measures.		
Additional information for RE.	AL Council consideration	on: Courses required by program accreditation (The CoARC)	
Are existing material resource	s adequate to support	this program alignment proposal?	
☑ Yes ☐ No If not, what additional material resources would be needed?			
		is program alignment proposal?	
	tional space resources	would be needed?	

Are existing human resources adequate to support this program alignment proposal?  $\boxtimes$  Yes  $\square$  No If not, what additional human resources would be needed?

Department Curriculum Committee Recommendation:	Signature: M_ TEL	Date:10/8/2020
Chair/Dean on Behalf of Dept/School:	Signature:	Date:10/8/2020
College Curriculum Committee Approval:	Signature: GRRA	Date: 01/27/21
	Signature:	
Dean/AVP Approval:	MAM M. GO	Date:1.27.21
REAL Council Recommendation:	Signature:	Date:
Faculty Senate Curriculum Committee Recommendation:	Signature:	Date:
Faculty Senate Approval:	Signature:	Date:
Provost Approval:	Signature:	Date:

Course Number/ REAL	Course Name	Credit Hours
Coursework Ne	eded to Complete Prior to Year Three or Permission of Program Dire	ctor
ENGL 111	Foundational Writing	3
MATH 100, MATH 121, MATH	Foundational Math	3
<mark>125</mark>		
BIOL 310/311 <b>/ R</b>	Anatomy and Physiology I / A&P for Pre-Majors	3-4
BIOL 310/311/ R	Anatomy and Physiology II / A&P for Pre-Majors	3-4
Any (E fulfillment / 3 WI)	General Credits (Fulfilment of E / Recommend ENGL 112)	33-35
TOTAL CREDITS Needed t	o Progress (GPA >2.5) OR JUNIOR LEVEL TRANSFER CRITERIA	47*
	Year Three – Fall Semester	'
HLTH 215	Medical Terminology	2-3 *
RETH 302	Foundations of Respiratory Care I	4
RETH 304	Cardiopulmonary Anatomy & Physiology	3
RETH 305	Integrated Sciences for Respiratory Therapy	3
RETH 308C / <b>L</b>	Clinical Practice I	1
RETH 309 / <b>A</b>	Patient Assessment	3
ELECTIVE	General Elective	0-1*
ELECTIVE	TOTAL	17
	Year Three – Spring Semester	17
BIOL 334 <b>/R</b>	Microbiology	4
RETH 310	Cardiopulmonary Pharmacology	3
RETH 311	Foundations of Respiratory Care II	4
RETH 318C / <b>L</b>	Clinical Practice II	3
RETH 332	Pulmonary Function Studies	2
KETTI 332	TOTAL	16
	Year Three Summer Semester	10
STAT 130 / <b>R</b>	Understanding Statistics in Society	3
HADM 300 / <b>A</b>	U.S. Healthcare System	3
RETH 320	Mechanical Ventilation	4
KEIN 320	TOTAL	10
	Year Four – Fall Semester	10
HADM 20E / A	Healthcare Management	3
HADM 305 / <b>A</b> RETH 330	-	3
RETH 420	Cardiopulmonary Pathophysiology  Neonatal/Pediatric Respiratory Therapy	3
		3
RETH 430	Patient Case Management I	
RETH 448C / <b>L</b>	Clinical Practice III	3
	TOTAL Voca Four Contra Consists	15
LISCI 200 / <b>D</b>	Year Four – Spring Semester	1 2
HSCI 300 / <b>R</b>	Foundations in Healthcare Research	3
RETH 411	Patient Education & Rehabilitation	2
RETH 450 WI	Patient Case Management II	3
RETH 478C / <b>L</b>	Clinical Practice IV	3
RETH 488C / L	Clinical Specialty Rotation	1
RETH 490 / <b>PPD</b>	Professional Seminar	3
	TOTAL	15
TOT	AL CREDITS NEEDED TO GRADUATE	120*

Commented [HM1]: This is the ONLY FW course.

Commented [HM2]: These are the ONLY FM courses.

From: Anderson, Justin

Sent: Friday, October 2, 2020 10:45 AM

To: Poulsen, Chase <<u>cpoulsen@RADFORD.EDU</u>>
Subject: RE: Request for Permission "R" REAL RETH

Chase,

Please accept this email as approval for you to use BIOL 310, 311, 334 toward satisfying the R component of your program.

Best, Justin

Justin R. Anderson, Ph.D. Professor and Chair Department of Biology Box 6931 Radford University Radford, VA 24142 (540) 831-5817

Hi Chase,

Sorry it has taken so long to get back. Counting Stat 130 as an R is fine with me.

I hope this is helpful and your day has gone well.

Neil

From: Poulsen, Chase < coulsen@RADFORD.EDU>

Sent: Friday, October 2, 2020 10:38 AM

 $\textbf{To:} \ Anderson, \ Justin < \underline{ianderson152@RADFORD.EDU} >; \ Sigmon, \ Neil < \underline{npsigmon@RADFORD.EDU} > 1000 + 10000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 10000$ 

Cc: Mayhew, Glen < gmayhew@RADFORD.EDU > Subject: Request for Permission "R" REAL RETH

Drs. Anderson and Sigmon,

I hope all is well with you and your departments during these trying times. I am requesting your permission to use STAT 130 and BIOL 310, 311, 334 for the RETH POS fulfilling the "R" category. If this is permissible please respond such via email and I will attach to the proposal in place of your signatures.

Thank you for your time in this matter.

### -Chase

Chase Poulsen, PhD, RRT-NPS, ACCS
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Chair, Department of Clinical Health Professions
Associate Professor and Program Director
Respiratory Therapy Program
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