## REAL Curriculum Program Alignment Proposal

Department or School: Public Health and Healthcare Leadership Date: March 5, 2020

Degree type: $\boxtimes \mathrm{BS} \square \mathrm{BA} \square \mathrm{BBA} \square \mathrm{BSN} \square \mathrm{BM} \square \mathrm{BFA} \square \mathrm{BSW} \square$ Minor $\square$ Certificate
Program: Public Health
REAL Area Program Designation Sought (check all that apply):

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Dept/School Contact: Sallie Beth Johnson, sejohnson1@radford.edu
120 credits, courses are delivered in a synchronous, online format, two
BS/BA Requirements: semesters of experiential learning (Capstone Project or Internship) required

- 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:

| Sallie Beth fohnson | Date: <br> Dept/School Signature |
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## Official Program Description:

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

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 B.S. Public Health program is to develop a public health workforce dedicated to improving community health and wellness through education, advocacy, and service.

## Goals/Outcomes

1. Impart students with a foundation in public health principles, practices, and processes.
2. Prepare students to enter the public health workforce and/or graduate programs in public health, health education, health promotion, or other health-related fields.
3. Provide students with the required coursework and knowledge in the eight Areas of Responsibility of Health Education Specialist to be eligible to take the Certified Health Education Specialist (CHES) examination.

## Program-specific Competencies

The B.S. Public Health Plan of Study was developed to align with competencies proposed by the Council on Education for Public Health (CEPH) and National Commission for Health Education Credentialing, Inc. (NCHEC).
CEPH Undergraduate Public Health Competency Domains

- Overview of Public Health
- Role and Importance of Data in Public Health
- Identifying and Addressing Population Health Challenges
- Human Health
- Determinants of Health
- Project Implementation
- Overview of the Health System
- Health Policy, Law, Ethics, and Economics
- Health Communications

NCHEC oversees the areas of responsibility and competencies for Health Education Specialists and specifies coursework for students to be eligible to take the national Certified Health Education Specialist (CHES) examination.
Eight Areas of Responsibility for Health Education Specialists

- Area I: Assessment of Needs and Capacity
- Area II: Planning
- Area III: Implementation
- Area IV: Evaluation and Research
- Area V: Advocacy
- Area VI: Communication
- Area VII: Leadership and Management
- Area VIII: Ethics and Professionalism


## Background

Public health protects and improves the health of individuals, families, communities, and populations, locally and globally. Public health professionals aim to prevent disease and injury from happening or recurring through implementing educational programs, advocating for policies, administering services, and conducting research.

The B.S. in Public Health is an interdisciplinary degree that prepares students to make a difference in their community as a public health professional. It is one of the fastest growing undergraduate degrees in the United States. With a 16-21\% faster than average expected employment growth by 2026, public health professionals are in demand. Program graduates are employed by health systems, public health departments, governmental entities, nonprofit organizations, community and social service agencies, wellness centers, research laboratories, universities, and health insurance companies.

Emphasizing interprofessional engagement and high-impact experiential learning, the B.S. Public Health program at Radford University Carilion educates and trains students to address the pressing health needs of underserved populations. Students interact and learn to collaborate with a broad range of clinical and community-based partners to improve population health, especially in medically underserved and rural areas. Program graduates will be prepared to tackle the overburden of chronic disease, the persistent epidemic of drug addiction, an aging population, increasing mental illness, and an ongoing need for outbreak and disaster preparedness in our communities.

The program offers students flexibility and convenience through delivery in a hybrid or 100\% online format. The program may be started during Fall, Spring, or Summer semesters. Students may complete the degree on a full or part-time basis. The program is very transfer-friendly with at least 51 credits eligible for transfer from the community college or other schools.

## Admissions Requirements

University admission requirements.
This program is designed for new students directly from high school or for students transferring from another college or university.

To be considered for admission:

1. Meet all admission requirements for Radford University Carilion. Incoming undergraduate students must have completed a core of selected high school or college courses, and recent high school graduates (within the past three years) should provide SAT or ACT scores (SAT Code 5099, ACT Code 4367). For additional general undergraduate requirements, please visit Undergraduate Admissions.)
2. Submit the online Radford University Carilion Application.
3. Submit official transcript(s) from all institutions - high school OR all higher education institution(s) to the admissions department. A minimum cumulative 2.5 GPA is required for admission, with at least a minimum cumulative 2.8 GPA preferred.

## Program Requirements

Courses in the B.S. Public Health program are delivered in a synchronous, online format. Students must have a computer with webcam, headset, and microphone for online course participation

Students will partner with an organization in their community to complete an internship and a Capstone project to apply their acquired knowledge and skills. Internships placements may require students to have a background check or drug screening conducted prior to participation.

Student engagement is an integral part of developing a community of learners in the B.S. Public Health program. Each semester students will be required to participate in at least one Radford University Carilion activity, such as the Public Health Series or Day of Service. Students may attend lecture events virtually.

## Graduation Requirements

Students must complete their Plan of Study with a minimum cumulative 2.0 GPA. All programspecific courses require a grade minimum of "C". Students must complete a minimum of 25\% of the Plan of Study at Radford University Carilion.

## REAL Requirements

The B.S. in Public Health program fulfills the REAL program designation for:

## R-Scientific and Quantitative Reasoning (9+ credits with 300 level)

Required:
PBHL 370 Fundamentals of Epidemiology- 3 credits
PBHL 425 Environmental and Occupational Health- 3 credits, and
HSCl 300 Foundations of Healthcare Research- 3 credits, General Ed.
(Foundational Math-100 level, STAT 200, and Biology and Chemistry Elective are also Plan of Study requirements)
Elective:
PBHL 400 Public Health Biostatistics- 3 credits

## A-Cultural or Behavioral Analysis (9+ credits with 300 level)

Required:
PBHL 110 Personal Health, 3 credits, General Ed. and Personal and Professional Development (PPD)
PBHL 320 Social Determinants of Health, 3 credits, General Ed.
PBHL 350 Principles of Public Health, 3 credits
PBHL 450 Global Health Issues, 3 credits
Elective:
PBHL 150 Survey of US Public Health, 3 credits, General Ed.
PBHL 210 Survey of Global Environmental Health, 3 credits, General Ed.

L- Applied Learning (9+ credits with 300 level)
Required:
PBHL 390 Interprofessional Community Collaboration and Advocacy, 3 credits, General Ed.
PBHL 485 Capstone Project I, 3 credits and PBHL 486 Capstone Project II, 3 credits, both Writing Intensive (WI) OR
PBHL 494 Internship I, 3 credits and PBHL 495 Internship II, 3 credits

## SCIENTIFIC AND QUANTITATIVE REASONING



R Area:
Learning Goal: To apply scientific and quantitative reasoning to questions about the natural world, mathematics, or related areas.

| Learning Outcome 1: Students apply <br> scientific and quantitative <br> information to test problems and <br> draw conclusions. | Description of learning outcome assessment plan: <br> The plan for assessment is to use the university-based <br> assessment that will be developed for REAL. This program plans to <br> opt into the assessment that the university will offer for both indirect <br> and direct measures. Furthermore, each course will have direct <br> examination questions that students will apply for scientific and <br> quantitative information to test problems and draw conclusions. Each <br> of these PBHL-HSCI program-specific courses require a grade <br> minimum of "C"-73\% or higher to meet graduation requirements. |
| :--- | :--- |
| Learning Outcome 2: <br> Students evaluate the quality of <br> data, methods, or inferences used <br> to generate scientific and <br> quantitative knowledge. | Description of learning outcome assessment plan: <br> The plan for assessment is to use the university-based <br> assessment that will be developed for REAL. This program plans to <br> opt into the assessment that the university will offer for both indirect <br> and direct measures. Furthermore, each course will have direct <br> examination questions or a course project that students will apply for <br> scientific and quantitative information to test problems and draw <br> conclusions. Each of these PBHL-HSCI program-specific courses <br> require a grade minimum of "C"-73\% or higher to meet graduation <br> requirements. |
| Additional information for REAL Council consideration: |  |$\quad$| ( |
| :--- |

## HUMANISTIC OR ARTISTIC EXPRESSION - N/A

| E Area: <br> Course Prefix: <br> Course Number: <br> Course Title: <br> Credit Hours: <br> New course: $\square$ Yes $\square$ No <br> Revised course: $\square$ Yes $\square$ No <br> Projected student enrollment per academic year: | Is this course required or an elective for your degree program? $\square$ Required $\square$ Elective Is this course offered within your dept/school? $\square$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| :---: | :---: |
| E Area: <br> Course Prefix: <br> Course Number: <br> Course Title: <br> Credit Hours: <br> New course: $\square$ Yes $\square$ No <br> Revised course: $\square$ Yes $\square$ No <br> Projected student enrollment per academic year: | Is this course required or an elective for your degree program? $\square$ Required $\square$ Elective Is this course offered within your dept/school? $\square$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| E Area: <br> Course Prefix: Course Number: Course Title: Credit Hours: | Is this course required or an elective for your degree program? $\square$ Required $\square$ Elective Is this course offered within your dept/school? $\square$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Course Rotation: Fall Spring $\square$ Intersession Other (Explain below) |


| New course: $\square$ Yes $\square$ No |
| :--- | :--- |
| Revised course: $\square$ Yes $\square$ No |
| Projected student enrollment |
| per academic year: |$\quad$| Intended Frequency:$\square$ Every academic year $\square$ Every semester $\square$ Every other year <br> $\square$ At least once every three years $\square$ Other <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if <br> not offered in dept/school: |
| :--- |
| E Designated Course Required within the Program of Study Approved for Inclusion in the General |
| Education Coursework: (please list at least one, can also be listed above but does not need to be) |

## E Area:

Learning Goal: To explore humanistic or artistic expression through inquiry or creativity.
Learning Outcome 1:
Students demonstrate understanding of diverse ideas, languages, products, or processes of humanistic inquiry or artistic expression.
Learning Outcome 2: Students critically Description of learning outcome assessment plan: evaluate, synthesize, or create forms of human expression or inquiry.

Additional information for REAL Council consideration:

CULTURAL OR BEHAVIORAL ANALYSIS

| A Area: <br> Course Prefix: PBHL <br> Course Number: 110 <br> Course Title: Personal Health <br> Credit Hours:3 <br> New course: $\square$ Yes $\square$ No <br> Revised course: $\boxtimes$ Yes $\square$ No <br> Projected student enrollment per academic year: 30 | Is this course required or an elective for your degree program? $\mathbb{R}$ Required $\square$ Elective Is this course offered within your dept/school? $\boxtimes$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| :---: | :---: |
| A Area: <br> Course Prefix: PBHL <br> Course Number: 150 <br> Course Title: Survey of US <br> Public Health <br> Credit Hours: 3 <br> New course: $\square$ Yes $\boxtimes$ No <br> Revised course: $\square$ Yes $\boxtimes$ No <br> Projected student enrollment per academic year: 30 | Is this course required or an elective for your degree program? $\square$ Required $\boxtimes$ Elective Is this course offered within your dept/school? $\mathbb{Y}$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| A Area: <br> Course Prefix: PBHL <br> Course Number: 210 <br> Course Title: Survey of Global <br> Environmental Health <br> Credit Hours:3 <br> New course: $\square$ Yes $\boxtimes$ No <br> Revised course: $\square$ Yes $\boxtimes$ No <br> Projected student enrollment per academic year:30 | Is this course required or an elective for your degree program? $\square$ Required $\boxtimes$ Elective Is this course offered within your dept/school? $\mathbb{Y}$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| A Area: <br> Course Prefix: PBHL <br> Course Number: 320 <br> Course Title: Social <br> Determinants of Health <br> Credit Hours:3 <br> New course: $\square$ Yes $\boxtimes$ No <br> Revised course: $\square$ Yes $\boxtimes$ No <br> Projected student enrollment per academic year:30 |  |
| A Area: <br> Course Prefix: PBHL <br> Course Number: 350 <br> Course Title: Principles of Public Health <br> Credit Hours:3 <br> New course: Yes No Revised course: $\square$ Yes $\boxtimes$ No <br> Projected student enrollment per academic year: 25 | Is this course required or an elective for your degree program? $\square$ Required $\boxtimes$ Elective Is this course offered within your dept/school? $\mathbb{Y}$ Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |


| A Area: <br> Course Prefix: PBHL <br> Course Number: 450 <br> Course Title: Global Health <br> Issues <br> Credit Hours:3 <br> New course: $\square$ <br> Yes $\boxtimes$ No <br> Revised course: $\square$ Yes『 No <br> Projected student enrollment per academic year:30 | Is this course required or an elective for your degree program? $\boxtimes$ Required $\square$ Elective Is this course offered within your dept/school? 凹 Yes $\square$ No If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| :---: | :---: |
| A Designated Course Required within the Program of Study Approved for Inclusion in the General Education Coursework: (please list at least one, can also be listed above but does not need to be) PBHL 150 Survey of US Public Health (not required), PBHL 250 Survey of Global Environmental Health (not required), PBHL 320 Social Determinants of Health, PBHL 350 Principles of Public Health (not required), PBHL 450 Global Health Issues |  |


| A Area: <br> Learning Goal: To examine the context and interactions of culture(s) and/or behavior(s). |  |
| :--- | :--- |
| Learning Outcome 1: Students <br> describe behaviors, beliefs, cultures, <br> social institutions, and/or <br> environments. | Description of learning outcome assessment plan: <br> The plan for assessment is to use the university-based <br> assessment that will be developed for REAL. This program plans to <br> opt into the assessment that the university will offer for both indirect <br> and direct measures. Furthermore, each course will have direct <br> examination questions or a course project that students will describe <br> behaviors, beliefs, cultures, social institutions, and/or environments <br> related to the public health discipline. Each of these PBHL program- <br> specific courses require a grade minimum of "C"-73\% or higher to <br> meet graduation requirements. |
| Learning Outcome 2: Students <br> analyze the interactions of <br> behaviors, beliefs, cultures, social <br> institutions, and/or environments. | Description of learning outcome assessment plan: <br> The plan for assessment is to use the university-based <br> assessment that will be developed for REAL. This program plans to <br> opt into the assessment that the university will offer for both indirect <br> and direct measures. Furthermore, each course will have direct <br> examination questions or a course project that students will analyze <br> the interactions of behaviors, beliefs, cultures, social institutions, <br> and/or environments related to the public health discipline. Each of <br> these PBHL program-specific courses require a grade minimum of <br> "C"-73\% or higher to meet graduation requirements. |
| Additional information for REAL Council consideration: |  |

APPLIED LEARNING

| L Area: <br> Course Prefix: PBHL <br> Course Number: 390 <br> Course Title: Interprofessional <br> Community Collaboration and <br> Advocacy <br> Credit Hours 3: <br> New course: $\square$ Yes $\boxtimes$ No <br> Revised course: $\square$ Yes $\mathbb{Q}$ No <br> Projected student enrollment per academic year: 25 | Is this course required or an elective for your degree program? $\boxtimes$ Required $\square$ Elective Is this course offered within your dept/school? $\mathbb{Y}$ Yes $\square$ No <br> If no, collaborating dept/school must also complete the remaining elements, and must sign below. <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| :---: | :---: |
| L Area: <br> Course Prefix: PBHL <br> Course Number: 485 <br> Course Title: Capstone Project I <br> Credit Hours:3 <br> New course: $\square$ Yes区 No <br> Revised course: $\square$ Yes No <br> Projected student enrollment per academic year: 15 | Is this course required or an elective for your degree program? $\boxtimes$ Required *- Students are required to complete Capstone I or Internship I $\square$ Elective <br> Is this course offered within your dept/school? $\boxtimes$ Yes $\square$ No <br> If no, collaborating dept/school must also complete the remaining elements, and must sign below. $\begin{array}{ll} \text { Course Rotation: } & \boxtimes \text { Fall } \square \text { Spring } \square \text { Intersession } \boxtimes \text { Other (Explain below) Summer I } \\ \text { Intended Frequency: } & \boxtimes \text { Every academic year } \square \text { Every semester } \square \text { Every other year } \\ & \square \text { At least once every three years } \square \text { Other } \end{array}$ <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| L Area: <br> Course Prefix: PBHL <br> Course Number: 486 <br> Course Title: Capstone Project II <br> Credit Hours: 3 <br> New course: $\square$ Yes No <br> Revised course: $\square$ Yes No <br> Projected student enrollment per academic year: | Is this course required or an elective for your degree program? $\boxtimes$ Required*- Students are required to complete Capstone II or Internship II $\square$ Elective <br> Is this course offered within your dept/school? $\square$ Yes $\square$ No <br> If no, collaborating dept/school must also complete the remaining elements, and must sign below. $\begin{array}{ll} \text { Course Rotation: } & \square \text { Fall } \boxtimes \text { Spring } \square \text { Intersession } \boxtimes \text { Other (Explain below) Summer II } \\ \text { Intended Frequency: } & \boxtimes \text { Every academic year } \square \text { Every semester } \square \text { Every other year } \\ & \square \text { At least once every three years } \square \text { Other } \end{array}$ <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| L Area: <br> Course Prefix: PBHL <br> Course Number: 494 <br> Course Title: Internship I <br> Credit Hours: 3 <br> New course: $\square$ Yes ® No <br> Revised course: $\square$ Yes No <br> Projected student enrollment per academic year: | Is this course required or an elective for your degree program? $\boxtimes$ Required*- Students are required to complete Capstone I or Internship I $\square$ Elective <br> Is this course offered within your dept/school? $\square$ Yes $\square$ No <br> If no, collaborating dept/school must also complete the remaining elements, and must sign below. $\begin{array}{ll} \text { Course Rotation: } & \boxtimes \text { Fall } \square \text { Spring } \square \text { Intersession } \boxtimes \text { Other (Explain below) Summer I } \\ \text { Intended Frequency: } & \boxtimes \text { Every academic year } \square \text { Every semester } \square \text { Every other year } \\ & \square \text { At least once every three years } \square \text { Other } \end{array}$ <br> Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| L Area: <br> Course Prefix: PBHL <br> Course Number: 495 <br> Course Title: Internship II <br> Credit Hours: 3 <br> New course: Yes No <br> Revised course: $\square$ Yes No <br> Projected student enrollment per academic year: | Is this course required or an elective for your degree program? $\boxtimes$ Required*- Students are required to complete Capstone II or Internship II $\square$ Elective <br> Is this course offered within your dept/school? $\square$ Yes $\square$ No <br> If no, collaborating dept/school must also complete the remaining elements, and must sign below. ```Course Rotation: }\square\mathrm{ Fall }\boxtimes\mathrm{ Spring }\square\mathrm{ Intersession }\boxtimes Other (Explain below) Summer I Intended Frequency: \boxtimes Every academic year }\square\mathrm{ Every semester }\square\mathrm{ Every other year``` <br> ```At least once every three years \(\square\) Other ``` |

L Designated Course Required within the Program of Study Approved for Inclusion in the General Education Coursework: (please list at least one, can also be listed above but does not need to be) PBHL 390 Interprofessional Community Collaboration and Advocacy

L Area:
Learning Goal: To explore professional practice through the application of knowledge, skills, and critical reflection.
Learning Outcome 1: Students apply Description of learning outcome assessment plan:
acquired knowledge and skills to develop professional identity or professional practice.

The plan for assessment is to use the university-based assessment that will be developed for REAL. This program plans to opt into the assessment that the university will offer for both indirect and direct measures. Furthermore, each course will have a course project or activity log that demonstrates how students apply acquired knowledge and skills to develop professional identify or professional practice.

Learning Outcome 2: Students $\quad$ Description of learning outcome assessment plan: critically reflect on their learning, abilities, experiences, or role within professional contexts.

The plan for assessment is to use the university-based assessment that will be developed for REAL. This program plans to opt into the assessment that the university will offer for both indirect and direct measures. Furthermore, each course will have a reflection journals and course projects that demonstrate how students critically reflect on their learning, abilities, experiences within a public health partnership, facility, of organization.

Additional information for REAL Council consideration:

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

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| Department Curriculum Committee |  |  |  |  |
| Recommendation: | Signature: | Sallie Beth fohnson |  | Date: 5-8-20 |
|  | Signature: | Date: 1.21.20 (updates) |  |  |
| Chair/Dean on Behalf of Dept/School: |  |  |  |  |
| College Curriculum Committee | Signature: | Signature: |  |  |
| Approval: | Signature: | Date: |  |  |
| Dean/AVP Approval: | Signature: | Date: |  |  |
| REAL Council Recommendation: | Signature: | Date: |  |  |
| Faculty Senate Curriculum Committee | Signature: | Date: |  |  |
| Recommendation: | Daculty Senate Approval: |  |  |  |
| Provost Approval: |  |  |  |  |

