## REAL Curriculum Program Alignment Proposal



- 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:

## 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.

## Allied Health Science Major

The Allied Health Science major is designed to prepare students for graduate and professional schools in allied health professions (e.g. occupational therapy, physical therapy, athletic training) or entry-level, nonlicensed positions for students who choose not to pursue graduate study.

This degree program offers four focus areas: Occupational Therapy (OT), Physical Therapy (PT), Athletic Training (AT), and Other Pre-Health Disciplines. Students pursing the OT focus area will develop content knowledge in Appalachian studies, health, philosophy, psychology, research, and sociology. All electives will allow students to articulate the scope of practice for licensed professionals and students.

## Academic Advising

All Allied Health Science students are assigned to a faculty advisor. Students are encouraged to consult with their academic advisor regularly to facilitate progress towards completion of their degree. In addition, the Advising Center provides support and assistance to students and faculty within the department. Both faculty advisors and the Advising Center staff are committed to assisting students in: exploring educational and career options; clarifying university and departmental requirements; selecting appropriate courses; evaluating academic progress; and obtaining referral information for academic and student support services.

## Admission and Progression Requirements

Allied Health Sciences (ALHS) majors are required to complete Core Curriculum requirements specified by the department, major requirements, and additional requirements specified by the major for a total of 120 credit hours for the bachelor of science degree. Students take the prerequisite courses during the first two years, followed by the upper division ( 300 and 400 level) major courses. Students are required to take 3 practicum courses providing observational hours required for graduate school applications. Applicants must meet the following criteria for admission to the Allied Health Sciences upper division coursework:

- Official transcripts reflecting a cumulative GPA of 3.0 or better from all post secondary schools attended including Radford University, and an overall 3.0 math/science GPA
- Completion of the following prerequisites with a grade of B or better:
o BIOL 105

[^0]- If any of these courses are taken at another institution, students will need to provide a transcript to review grades in these courses.
- Students will sign a contract stating that they are aware of these requirements and the highly competitive mature of graduate acceptance.


## Major Grade Point Average (GPA)

A 3.0 GPA on all college work attempted and a 3.0 GPA in the major. Students are required to achieve and maintain a 3.0 GPA or higher to complete and graduate in this major.

## Total Credits Needed for Degree: 120

## B.S. Degree

All requirements for a degree are outlined below.

## Curriculum Requirements (30-36 credits)

(See here)
Majors are required to complete the following prerequisite courses and are advised to take them as part of their Core Curriculum requirements:

- PHIL 121 - Ethics and Society
- PSYC 121 - Introduction to Psychology
- MATH 125 - Precalculus I
- BIOL 105 - Biology for Health Sciences
- STAT 200 - Introduction to Statistics
- HLTH 200 - Health Education


## Additional Requirements (16 credits)

- BIOL 310 - Human Structure and Function I and
- BIOL 311 - Human Structure and Function II
- CHEM 111-General Chemistry I
- CHEM 112 - General Chemistry II
Major Requirements (61 credits)
- ATTR 323 - Assess. Of Athletic Injuries I - Extrem.
- ESHE 201 - Intro to Athletic Injuries
- ESHE 205 - Intro into Allied Health Sciences
- ESHE 225 - Allied Health Science Practicum I
- ESHE 250 - Allied Health Science Practicum I
- ESHE 305 - Princ. \& Prac. Strength and Conditioning
- ESHE 315 - Physical Activity and Aging
- ESHE 325 - Allied Health Science Practicum III
- ESHE 390 - Kinesiology
- ESHE 392 - Exercise Physiology
- ESHE 396 - Assessment and Prescription
- ESHE 450 - Research Methods
- ESHE 465 - Therapeutic Interventions
- HLTH 465 - Exercise, Performance, \& Nutrition
- PSYC 230/439 - Lifespan Devel. or Abnormal Psyc.

Must take 16 hrs from approved menu of courses, any courses from the approved list can be used to satisfy this requirement but strongly suggested students choose coursework based on prerequisites for their graduate or professional program

FOR AT Graduate school

- ATTR 150 - Fundamentals of Athletic Training
- ATTR 205 - Introduction to Athletic Training Skills
- NUTR 214 - Introduction to Nutrition
- PHYS 111 - General Physics I
- HLTH 300 - Community Health and Epidemiology
- HLTH 325 - Community Health and Diversity
- HLTH 475 - Health Behavior Change
- PSYC 218 - Adolescent Psychology
- PSYC 317 - Child Psychology
- PSYC 343 - Social Psychology
- PSYC 439 - Abnormal Psychology

FOR OT Graduate School

- PHYS 111 - General Physics I
- APST 200 - Introducing Appalachia
- SOCY 121 - Understanding Cultures
- PSYC 230 - Lifespan Devel.
- PSYC 439 - Abnormal Psychology
- HLTH 475 - Health Behavior Change
- HLTH 451 - Drug Use and Drug Abuse Education FOR PT Graduate School
- PHYS 111-General Physics I
- PHYS 112 - General Physics II
- HLTH 475 - Health Behavior Change
- HLTH 451 - Drug Use and Drug Abuse Education
- NUTR 300 or HLTH 215 - Medical Terminology

Other Pre-health Disciplines:

- CHEM 301 - Organic Chemistry I
- CHEM 302 - Organic Chemistry II
- BIOL 334 - Microbiology
- BIOL 471 - Biochemistry
- HLTH 300 - Community Health and Epidemiology
- HLTH 451 - Drug Use and Drug Abuse Education
- HLTH 453 - Human Sexuality
- HLTH 460-International Health
- HLTH 451 - Drug Use and Drug Abuse Education

ELECTIVE HOURS (7 credits) - electives should be approved by your advisor before you register for them

## Honors Program in Allied Health Sciences

The Allied Health Sciences Major offers an honors program. For a general description of the Honors College at Radford University, see Honors College. For specific requirements of this program, contact the department head or the director of the Honors College. This degree program counts as both $A$ and $L$ in the REAL program.

The Allied Health Science major covers the " $\llcorner$ " area of the REAL requirements.

## SCIENTIFIC AND QUANTITATIVE REASONING

| R Area: <br> Course Prefix: <br> Course Number: <br> Course Title: <br> Credit Hours: <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? $\square$ 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: |
| :---: | :---: |
| R 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: |
| R 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 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: |
| R 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) |  |


| 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: |
| 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: |
| Additional information for REAL Council consideration: |  |


| E Area: | Is this course required or an elective for your degree program? $\square$ Required $\square$ Elective |
| :---: | :---: |
| Course Prefix: | Is this course offered within your dept/school? $\square$ Yes $\square$ No |
| Course Number: | If no, collaborating dept/school must also complete the remaining elements, and must sign below. |
| Course Title: |  |
| Credit Hours: | Course Rotation: $\square$ Fall $\square$ Spring $\square$ Intersession $\square$ Other (Explain below) |
| New course: $\square$ Yes $\square$ No <br> Revised course: $\square$ Yes $\square$ No | Intended Frequency: $\quad \square$ Every academic year $\square$ Every semester $\square$ Every other year $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year: | Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
|  | Is this course required or an elective for your degree program? $\square$ Required |
| Course Prefix: | Is this course offered within your dept/school? $\square$ Yes $\square$ No |
| Course Number: | If no, collaborating dept/school must also complete the remaining elements, and must sign below. |
| Course T |  |
| Credit Hours | Course Rotation: $\square$ Fall $\square$ Spring $\square$ Intersession $\square$ Other (Explain below) |
| New course: $\square$ Yes $\square$ No |  |
| Revised course: $\square$ Yes No | Intended Frequency: $\square$ Every academic year $\square$ Every semester $\square$ Every other year <br>  $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year: | Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
|  | Is this course required or an elective for your degree program? $\square$ Required $\square$ Elective |
| Course Prefix: | Is this course offered within your dept/school? $\square$ Yes $\square$ No |
| Course Number: | If no, collaborating dept/school must also complete the remaining elements, and must sign below. |
| Course Title: |  |
| Credit Hours: | Course Rotation: $\square$ Fall $\square$ Spring $\square$ Intersession $\square$ Other (Explain below) |
| New course: $\square$ Yes $\square$ |  |
| Revised course: $\square$ Yes No | Intended Frequency: $\quad \square$ Every academic year $\square$ Every semester $\square$ Every other year $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year: | Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if 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: <br> Course Number: <br> Course Title: <br> Credit Hours: 3 <br> New course: $\square$ Yes $\square$ No <br> Revised course: Yes 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 <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: |
| :---: | :---: |
| A 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 <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: |
| A 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 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 <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: |
| 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) |  |

## A Area:

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: |
| :--- | :--- |
| 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: |


| L Area： | Is this course required or an elective for your degree program？ $\mathbb{R}$ Required $\square$ Elective |
| :---: | :---: |
| Course Prefix：ESHE Course Number： 205 | 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． |
| Course Title：Introduction to Allied Health Sciences Credit Hours： 1 | Course Rotation：$\boxtimes$ Fall $\boxtimes$ Spring $\square$ Intersession $\square$ Other（Explain below） |
| New course：$\square$ Yes $\boxtimes$ No Revised course：$\boxtimes$ Yes $\square$ No | Intended Frequency：$\boxtimes$ Every academic year $\boxtimes$ Every semester $\square$ Every other year <br> $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year： 80 | Signature of collaborating chair／director indicating acknowledgement for inclusion and designation if not offered in dept／school： |
| L Area： | Is this course required or an elective for your degree program？凹 Required |
| Course Prefix：ESHE | Is this course offered withi |
| Course Number： 225 | If no，collaborating dept／school must also complete the remaining elements，and must sign bel |
| Course Title：Allied Health |  |
| Sciences Practicum I Credit Hours： 1 | Course Rotation：$\boxtimes$ Fall $\boxtimes$ Spring $\boxtimes$ Intersession $\square$ Other（Explain below） |
| New course：$\square$ Yes $\boxtimes$ No | Intended Frequency：$\boxtimes$ Every academic year $\boxtimes$ Every semester $\square$ Every other year |
| Revised course：$\boxtimes$ Yes $\square$ No | $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year： 75 | Signature of collaborating chair／director indicating acknowledgement for inclusion and designation if not offered in dept／school： |
|  | Is this course required or an elective for your degree program？凹 Required $\square$ Elective |
| Course Prefix：ESHE | Is this course offered within your dept／school？$\boxtimes$ Yes $\square$ N |
| Course Number： 250 Course Title：Allied Health | If no，collaborating dept／school must also complete the remaining elements，and must sign below． |
| Sciences Practicum II Credit Hours： 1 | Course Rotation：$\boxtimes$ Fall $\boxtimes$ Spring $\boxtimes$ Intersession $\square$ Other（Explain below） |
| New course：$\square$ Yes $\boxtimes$ No <br> Revised course：$\boxtimes$ Yes $\square$ No | Intended Frequency：$\boxtimes$ Every academic year $\boxtimes$ Every semester $\square$ Every other year <br> $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year： 75 | Signature of collaborating chair／director indicating acknowledgement for inclusion and designation if not offered in dept／school： |
| L Area： <br> Course Prefix：ESHE Course Number： 325 Course Title：Allied Health Sciences Practicum III Credit Hours： 1 <br> New course：$\square$ $\square$ Ye Yes No Revised course：$\boxtimes$ Yes $\square$ No <br> Projected student enrollment per academic year： 75 | Is this course required or an elective for your degree program？凹 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． |
|  | Course Rotation：$\boxtimes$ Fall $\boxtimes$ Spring $\boxtimes$ Intersession $\square$ Other（Explain below） |
|  | Intended Frequency：$\boxtimes$ Every academic year $\boxtimes$ Every semester $\square$ Every other year <br> $\square$ At least once every three years $\square$ Other |
|  | Signature of collaborating chair／director indicating acknowledgement for inclusion and designation if not offered in dept／school： |
| L Area： <br> Course Prefix：ESHE <br> Course Number： 396 <br> Course Title：Assessment and Prescription in Exercise，Sport and Health Education Credit Hours： 3 <br> New course：$\square$ Yes $\boxtimes$ No Revised course： $\mathbb{Y}$ Yes $\square$ | Is this course required or an elective for your degree program？凹 Required $\square$ Elective |
|  | Is this course offered within your dept／school？区 Yes |
|  | If no，collaborating |
|  | dept／school must also complete the remaining elements，and must sign below． |
|  | Course Rotation：$\boxtimes$ Fall $\boxtimes$ Spring $\square$ Intersession $\square$ Other（Explain below） |
|  | Intended Frequency：$\boxtimes$ Every academic year $\square$ Every semester $\square$ Every other year |
|  | $\square$ At least once every three years $\square$ Other |
| Projected student enrollment per academic year： 100 | Signature of collaborating chair／director indicating acknowledgement for inclusion and designation if not offered in dept／school： |


|  | Is this course required or an elective for your degree program? $\boxtimes$ Required $\square$ Elective |
| :---: | :---: |
| Course Prefix: ATTR | Is this course offered within your dept/school? $\boxtimes$ Yes $\square$ No |
| Course Number: 323 | If no, collaborating |
| Course Title: Athletic Injury | dept/school must also complete the remaining elements, and must sign below. |
| Assessment I - The Extremities Credit Hours: 3 | Course Rotation: $\boxtimes$ Fall $\boxtimes$ Spring $\square$ Intersession $\square$ Other (Explain below) |
| New course: $\square$ Yes $\boxtimes$ No <br> Revised course: <br> 囚 Yes No | Intended Frequency: <br> Every academic year $\square$ Every semester $\square$ Every other year At least once every three years $\square$ Other |
| Projected student enrollment per academic year: 100 | Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: |
| 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) |  |

## L Area:

Learning Goal: To explore professional practice through the application of knowledge, skills, and critical reflection.
\(\left.$$
\begin{array}{ll}\begin{array}{l}\text { Learning Outcome 1: Students apply } \\
\text { acquired knowledge and skills to } \\
\text { develop professional identity or } \\
\text { professional practice. }\end{array} & \begin{array}{l}\text { Description of learning outcome assessment plan: } \\
\text { ESHE 205 provides an overview of practicum experiences and academic } \\
\text { requirements for entry into professional allied health programs of study } \\
\text { (e.g., Physical Therapy). Students are also required to work on career } \\
\text { development, resume, and graduate school interviewing skills. }\end{array} \\
& \begin{array}{l}\text { In allied health, students need to start from the beginning of their college } \\
\text { career to make sure that they get the grades, courses, and experiences } \\
\text { needed to enter graduate school and their professional field. This } \\
\text { introductory course is where they start working on their professional } \\
\text { identity and plan their path toward professionalism. }\end{array} \\
& \begin{array}{l}\text { ESHE 225, 250 and ESHE 325 - Students are working with an allied health } \\
\text { professional in the field, students begin to develop their professional } \\
\text { identities and begin to practice some of the basic skills of that field. They } \\
\text { start to picture themselves as allied health professionals. }\end{array}
$$ <br>

In ESHE 396 students learn assessment techniques that will be used later in\end{array}\right\}\)| their clinical experiences, graduate school, and professional experience. It |
| :--- |
| is important to learn, practice, and be evaluated on these techniques on |
| peers before using them in a real clinical situation. |
| Students also learn to write exercise prescriptions based on these |
| assessments as they will do in real world clinical experiences. |


|  |  |
| :--- | :--- |
|  | In the ESHE practicums $(225,250$, and 325$)$ students are also required to <br> reflect on how this experience affects their professional development and <br> goals. As students are completing their clinical hours and after completing <br> them, they reflect on their experiences in a professional setting and <br> document what they have learned and how to act as a professional in the <br> field. They also reflect on how the experience affects their goals, roles, and <br> future in the allied health field. |
| In ESHE 396 students critically reflect on the assessment skills, their use in <br> future jobs, and the skills they need to work on to become professionals in <br> the field. After learning and practicing assessment skills, students will reflect <br> in writing about how these skills will be useful to them as professionals in <br> allied health science fields. They will also look at their skill evaluations and <br> discuss what they need to work on to become competent professionals in <br> the field. |  |
| Additional information for REAL Council consideration: |  |




[^0]:    o BIOL 310 and BIOL 311
    o PSYC 121
    o MATH 125
    o STAT 200
    o HLTH 200

