

REAL Curriculum Program Alignment Proposal

Department or School: RUC – Clinical Health Professions / Emergency Services Date: 1/15/2021

Degree type: BS BA BBA BSN BM BFA BSW Minor Certificate

Program: Bachelor of Science Emergency Services – Paramedic / Firefighter Track

REAL Area Program Designation Sought (check all that apply): R E A L

Dept/School Contact: Dr. John Cook, jcook85@radford.edu 540-400-3536

BS/BA Requirements: _____

- 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:
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Official Program Description:**Mission**

The Emergency Services Program at Radford University Carilion develops highly qualified and innovative leaders in the field by creating an immersive, people-centered culture of evidence-based practice, advocacy, research, professional excellence, and life-long learning.

The mission of the Paramedic education component of the Emergency Services Program is to prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Goals/Outcomes

Graduates of the Bachelor of Science in Emergency Services program will be able to

1. provide care to patients of all age groups and ethnicities,
2. advocate for patients,
3. serve in a designated National Incident Management System (NIMS) command or staff position during incident operations,
4. communicate effectively on an interprofessional team and with peers,
5. analyze data and assess findings to formulate an appropriate plan of action,
6. mitigate the hazard level of an incident scene,
7. assess the need for and propose appropriate fire, injury, and/or illness prevention strategies,
8. evaluate emergency services related research,
9. exhibit caring, culturally competent behaviors in the delivery of services,
10. value life-long professional development,
11. participate in research processes in an emergency services organization

Accreditation**National Accreditation**

The Emergency Services program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation for Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs
131 Park Street
Clearwater, FL 33763
727-210-2350
www.caahep.org

Committee on Accreditation for Emergency Medical Services Professions
8301 Lakeview Parkway
Suite 111 - 312
Rowlett, TX 75099
Phone 214-703-8445
www.coaemsp.org

State Accreditation

The program is also accredited by the

Virginia Department of Health,
Office of Emergency Medical Services (VAOEMS)
1041 Technology Park Drive
Glen Allen, VA 23059-4500
Phone 804-888-9120

Background

The Bachelor of Science Degree in Emergency Services (BSES) prepares graduates for entry level practitioner and management positions in the field of emergency services. The Emergency Services profession has experienced dynamic changes since September 11, 2001. These changes have placed an increased emphasis on a well-educated and prepared workforce to meet the needs of both traditional and all-hazards responses. The program meets these challenges by providing a well-rounded core of general education courses and allows students to customize their plans of study to fit long-term career goals. Students enjoy a perfect blend of classroom, laboratory, clinical and field internship experiences in pursuit of their degree. The College offers three tracks to the BSES.

- The **Firefighter / Paramedic Track** prepares students for management and leadership positions in the fire and emergency medical services (EMS) professions. Graduates will be eligible to sit for the national paramedic credentialing exam and complete numerous fire certifications. This track is offered on-campus only.
- The **Critical Care / Paramedic Track** prepares students for management and leadership positions in critical care ground and air transport services as well as non-fire service based EMS agencies. Graduates will be eligible to sit for the national paramedic credentialing exam (NRP), Certified Flight Paramedic (FP-C), and the Certified Critical Care Paramedic (CCP-C). This track is offered on-campus only.
- The **Degree Completion Track** is designed for students that are already working in the field of emergency services and are looking to take their career to the next level. Students looking to enter this track should already have some college experience and may receive institutional credit for already possessing a national paramedic credential (NRP). This track is offered 100% online for those that qualify

Bachelor of Science in Emergency Services
Paramedic/Firefighter Track

REAL Areas: E, A, L
Effective Fall, 2021

Semester 1: Fall

Prefix / REAL	Course Title	Credits
ENGL 111 / FW	Foundational Writing	3
MATH 100, 121, 125 / FM	Foundational Math	3
PHIL 112 / E	Introduction: Ethics and Society	3
ESID 100L	Introduction to Emergency Services Lab	2
ESID 110	Foundations of Evidence Based Practice	1
PSYC 121 / A	Introductory Psychology	3
Semester Total		15

Semester 2: Spring

Prefix	Course Title	Credits
ESID 107	Principles of Emergency Services	3
ESID 113/113L	Patient Assessment & Respiratory Management	4
ESID 151C	Clinical Practice I	1
BIOL 310 / R	Human Structure and Function I	4
ENGL 112 / E / WI or	Critical Reading and Writing in the Digital Age	3
PHIL 213 / E	Critical Reasoning and Argumentation	
Semester Total		15

Semester 3: Fall

Prefix	Course Title	Credits
ESID 160C	Clinical Practice II	2
ESID 161I	Field Internship I	1
ESID 146/146L	Cardiac Emergencies w/Lab	4
ESID 211/211L	Pre-hospital Pharmacology w/Lab	4
BIOL 311 / R	Human Structure and Function II	4
Semester Total		15

Semester 4: Spring

Prefix	Course Title	Credits
ESID 390	Political & Legal Foundations of Emergency Services	3
ESID 271I	Field Internship II	1
ESID 272C	Clinical Practice III	2
ESID 231/231L	Obstetrics & Pediatrics Emergencies w/Lab	4
ESID 255/255L	Trauma Emergencies w/Lab	4
Semester Total		14

Semester 5: Fall

Prefix	Course Title	Credits
ESID 371C	Clinical Practice IV	2
ESID 371I	Field Internship III	2
ESID 301L	Emergency Operations Lab	2
ESID 366/366L	Medical Emergencies w/Lab	4
(R) Elective	(R) Elective	4
ESID 360	Educational Methods for Emergency Services	3

		Semester Total	17
Semester 6: Spring			
Prefix	Course Title	Credits	
ESID 381I	Capstone Field Internship	5	
ESID 306L	National Examination Review Lab	2	
STAT 130, 200 / R	Statistics Elective	3	
ESID 245 /R / WI	Introduction to Emergency Services Research	3	
ESFF 350	Fire Dynamics	3	
		Semester Total	16
Semester 7: Fall			
Prefix	Course Title	Credits	
ESID 431 / L	Capstone Research Experience I	3	
ESID 425 / L	Personnel Management for Emergency Services	3	
ESFF 390I / L	Fire Internship	3	
ESID 375 / L	Introduction to Emergency Management	3	
PHIL 320, 330 or 350 /E	PHIL "E" Elective	3	
		Semester Total	15
Semester 8: Spring			
Prefix	Course Title	Credits	
ESID 490 / L	Capstone Research Experience II	3	
ESID 440 / A / WI	Current Issues in Emergency Services	3	
ESFF 375 / L	Fire Prevention Organization & Management	3	
ESID 480 / L	Emergency Services Administration	3	
SOCY 110 / A	Introduction to Sociology	3	
		Semester Total	15
		Program Total	122

HUMANISTIC OR ARTISTIC EXPRESSION

<p>E Area: Course Prefix: ENGL Course Number: 112 Course Title: Critical Reading and Writing in the Digital Age Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 112 Course Title: Introduction: Ethics and Society Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 213 Course Title: Critical Reasoning and Argumentation Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 320 Course Title: Philosophy of Mind and Metaphysics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 330 Course Title: Theories of Knowledge Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 350</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p>

Course Title: Philosophy of Religion Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval
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) PHIL 112	

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.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Learning Outcome 2: Students critically evaluate, synthesize, or create forms of human expression or inquiry.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Additional information for REAL Council consideration:	

CULTURAL OR BEHAVIORAL ANALYSIS

A Area: Course Prefix: PSYC Course Number: 121 Course Title: Introductory Psychology Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval
A Area: Course Prefix: SOCY Course Number: 110 Course Title: Introduction to Sociology Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> 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 approval
A Area: Course Prefix: ESID Course Number: 440 Course Title: Current Issues in Emergency Services Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other 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) PSYC 121	

A Area: Learning Goal: To examine the context and interactions of culture(s) and/or behavior(s).	
Learning Outcome 1: Students describe behaviors, beliefs, cultures, social institutions, and/or environments.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Learning Outcome 2: Students analyze the interactions of behaviors, beliefs, cultures, social institutions, and/or environments.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Additional information for REAL Council consideration:	

APPLIED LEARNING

L Area: Course Prefix: ESID Course Number: 375 Course Title: Introduction to Emergency Management Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
L Area: Course Prefix: ESFF	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<p>Course Number: 375 Course Title: Fire Prevention Organization and Management Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>L Area: Course Prefix: ESID Course Number: 480 Course Title: Emergency Services Administration Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
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01/14/2020

Are existing material resources adequate to support this program alignment proposal?





Yes No If not, what additional material resources would be needed?

Are existing space resources adequate to support this program alignment proposal?

Yes No If not, what additional space resources would be needed?

Are existing human resources adequate to support this program alignment proposal?

Yes No If not, what additional human resources would be needed?

Department Curriculum Committee Recommendation:	Signature: 	Date: 1/15/2021
Chair/Dean on Behalf of Dept/School:	Signature: 	Date: 1/15/2021
College Curriculum Committee Approval:	Signature: 	Date: 01/27/21
Dean/AVP Approval:	Signature: 	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:

REAL Curriculum Program Alignment Proposal

Department or School: RUC – Clinical Health Professions / Emergency Services Date: 1/15/2021

Degree type: BS BA BBA BSN BM BFA BSW Minor Certificate

Program: Bachelor of Science Emergency Services – Paramedic / Critical Care Track

REAL Area Program Designation Sought (check all that apply): R E A L

Dept/School Contact: Dr. John Cook, jcook85@radford.edu 540-400-3536

BS/BA Requirements: _____

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Dept/School Signature	Date:
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18. assess the need for and propose appropriate fire, injury, and/or illness prevention strategies,
19. evaluate emergency services related research,
20. exhibit caring, culturally competent behaviors in the delivery of services,
21. value life-long professional development,
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Commission on Accreditation of Allied Health Education Programs
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www.caahep.org

Committee on Accreditation for Emergency Medical Services Professions
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Rowlett, TX 75099
Phone 214-703-8445
www.coaemsp.org

State Accreditation

The program is also accredited by the

Virginia Department of Health,
Office of Emergency Medical Services (VAOEMS)
1041 Technology Park Drive
Glen Allen, VA 23059-4500
Phone 804-888-9120

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Bachelor of Science in Emergency Services
 Paramedic/Critical Care
 Track
 REAL Areas: E, A, L
 Effective Fall, 2021

Semester 1: Fall

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PSYC 121 / A	Introductory Psychology	3
Semester Total		15

Semester 2: Spring

Prefix	Course Title	Credits
ESID 107	Principles of Emergency Services	3
ESID 113/113L	Patient Assessment & Respiratory Management	4
ESID 151C	Clinical Practice I	1
BIOL 310 /R	Human Structure and Function I	4
ENGL 112 / E / WI OR	Critical Reading and Writing in the Digital Age	3
PHIL 213 / E	Critical Reasoning and Argumentation	
Semester Total		15

Semester 3: Fall

Prefix	Course Title	Credits
ESID 160C	Clinical Practice II	2
ESID 161I	Field Internship I	1
ESID 146/146L	Cardiac Emergencies w/Lab	4
ESID 211/211L	Pre-hospital Pharmacology w/Lab	4
BIOL 311 /R	Human Structure and Function II	4
Semester Total		15

Semester 4: Spring

Prefix	Course Title	Credits
ESID 390	Political & Legal Foundations of Emergency Services	3
ESID 271I	Field Internship II	1
ESID 272C	Clinical Practice III	2
ESID 231/231L	Obstetrics & Pediatrics Emergencies w/Lab	4
ESID 255/255L	Trauma Emergencies w/Lab	4
Semester Total		14

Semester 5: Fall

Prefix	Course Title	Credits
ESID 371C	Clinical Practice IV	2
ESID 371I	Field Internship III	2
ESID 301L	Emergency Operations Lab	2
ESID 366/366L	Medical Emergencies w/Lab	4

(R) Elective	(R) Elective	4
ESID 360	Educational Methods for Emergency Services	3
	Semester Total	17
Semester 6: Spring		
Prefix	Course Title	Credits
ESID 381I	Capstone Field Internship	5
ESID 306L	National Examination Review Lab	2
STAT 130, 200 / R	Statistics Elective	3
ESID 245 R / WI	Introduction to Emergency Services Research	3
SOCY 110 /A	Introduction to Sociology	3
	Semester Total	16
Semester 7: Fall		
Prefix	Course Title	Credits
ESID 431 / L	Senior Practicum Proposal	3
ESID 425 / L	Personnel Management for Emergency Services	3
ESCC 345 / L	Critical Care Medicine I	3
ESCC 350	Critical Care Pharmacology	3
ESID 375 / L	Introduction to Emergency Management	3
	Semester Total	15
Semester 8: Spring		
Prefix	Course Title	Credits
ESID 490 / L	Senior Practicum	3
ESID 440 / A / WI	Current Issues in Emergency Services	3
ESCC 445 / L	Critical Care Medicine II	3
PHIL 320, 330 or 350 /E	PHIL "E" Elective	3
ESID 480 / L	Emergency Services Administration	3
	Semester Total	15
	Program Total	122

HUMANISTIC OR ARTISTIC EXPRESSION

<p>E Area: Course Prefix: ENGL Course Number: 112 Course Title: Critical Reading and Writing in the Digital Age Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 112 Course Title: Introduction: Ethics and Society Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 213 Course Title: Critical Reasoning and Argumentation Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 320 Course Title: Philosophy of Mind and Metaphysics Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 330 Course Title: Theories of Knowledge Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval</p>
<p>E Area: Course Prefix: PHIL Course Number: 350</p>	<p>Is this course required or an elective for your degree program? <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p>

Course Title: Philosophy of Religion Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: Email approval
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) PHIL 112	

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.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Learning Outcome 2: Students critically evaluate, synthesize, or create forms of human expression or inquiry.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Additional information for REAL Council consideration:	

CULTURAL OR BEHAVIORAL ANALYSIS

A Area: Course Prefix: PSYC Course Number: 121 Course Title: Introductory Psychology Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school: See email approval
A Area: Course Prefix: SOCY Course Number: 110 Course Title: Introduction to Sociology Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> 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 approval
A Area: Course Prefix: ESID Course Number: 440 Course Title: Current Issues in Emergency Services Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other 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) PSYC 121	

A Area: Learning Goal: To examine the context and interactions of culture(s) and/or behavior(s).	
Learning Outcome 1: Students describe behaviors, beliefs, cultures, social institutions, and/or environments.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Learning Outcome 2: Students analyze the interactions of behaviors, beliefs, cultures, social institutions, and/or environments.	Description of learning outcome assessment plan: The plan for assessment of the Bachelor of Science in Emergency Services is to use the university-based assessment that will be developed for REAL studies minors and that a program can opt into. The Bachelor of Science in Emergency Services program plans to opt into the assessment that the university will offer for indirect and direct measures.
Additional information for REAL Council consideration:	

APPLIED LEARNING

L Area: Course Prefix: ESID Course Number: 375 Course Title: Introduction to Emergency Management Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Projected student enrollment per academic year:	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below. Course Rotation: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below) Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:
L Area: Course Prefix: ESCC	Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<p>Course Number: 345 Course Title: Critical Care Medicine I Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>L Area: Course Prefix: ESID Course Number: 480 Course Title: Emergency Services Administration Credit Hours: 3 New course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Revised course: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Projected student enrollment per academic year:</p>	<p>Is this course required or an elective for your degree program? <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective Is this course offered within your dept/school? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, collaborating dept/school must also complete the remaining elements, and must sign below.</p> <p>Course Rotation: <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Intersession <input type="checkbox"/> Other (Explain below)</p> <p>Intended Frequency: <input checked="" type="checkbox"/> Every academic year <input type="checkbox"/> Every semester <input type="checkbox"/> Every other year <input type="checkbox"/> At least once every three years <input type="checkbox"/> Other</p> <p>Signature of collaborating chair/director indicating acknowledgement for inclusion and designation if not offered in dept/school:</p>
<p>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)</p>	

Are existing material resources adequate to support this program alignment proposal?





Yes No If not, what additional material resources would be needed?

Are existing space resources adequate to support this program alignment proposal?

Yes No If not, what additional space resources would be needed?

Are existing human resources adequate to support this program alignment proposal?

Yes No If not, what additional human resources would be needed?

Department Curriculum Committee Recommendation:	Signature: 	Date: 1/15/2021
Chair/Dean on Behalf of Dept/School:	Signature: 	Date: 1/15/2021
College Curriculum Committee Approval:	Signature: 	Date: 01/27/21
Dean/AVP Approval:	Signature: 	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: