

August 14, 2009

Dean Paul Ramsey
School of Medicine
Box 357110

Dear Paul:

Based on the recommendation of the Faculty Council on Academic Standards, the Faculty Council on Tri-Campus Policy has recommended approval of a Bachelor of Paramedicine degree.

I am writing to inform you that the School of Medicine is authorized to specify these requirements beginning summer quarter 2010.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,



Mark A. Emmert
President

Enclosure

cc: Ms. Sheila Nelson (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Mr. Todd Mildon, J. D. (with enclosure MEDEX-20090123)

JAN 28 2009



UNIVERSITY OF WASHINGTON
CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

OFFICE USE ONLY
Control #
MEDEX-2009 0123

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College School of Medicine	Department or Unit MEDEX Northwest	Date 1/23/2009
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New Programs

- Leading to a Bachelor of Paramedicine in _____ degree.
- Leading to a Bachelor of _____ degree with a major in _____.
- Leading to a _____ Option within the existing major in _____.
- Leading to a minor in _____.

Changes to Existing Programs

- New Admission Requirements for the Major in _____ within the Bachelor of _____.
- Revised Admission Requirements for the Major in _____ within the Bachelor of _____.
- Revised Program Requirements for the Major in _____ within the Bachelor of _____.
- Revised Requirements for the Option in _____ within the major in _____.
- Revised Requirements for the Minor in _____.

Other Changes

- Change name of program from _____ to _____.
- New or Revised Continuation Policy for _____.
- Eliminate program in _____.

Proposed Effective Date:

Quarter: Autumn Winter Spring Summer Year: 20⁰⁹10

Contact Person Sheila Nelson	Contact's Phone 206-__ 616 __7753	Contact's Email sdnelson@u.washington.edu
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EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

See attached

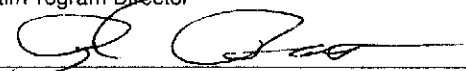
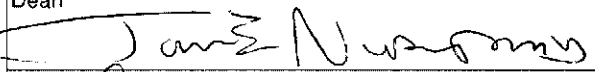
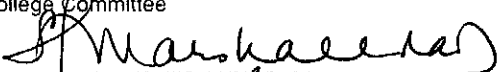
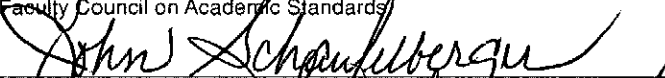
CATALOG COPY

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.

PROPOSED CATALOG COPY

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications)
See attached

SIGNATURES (required)

Chair/Program Director 	Date 1/23/09
Dean 	Date 1/23/09
College Committee 	Date 1/26/2009
Faculty Council on Academic Standards 	Date 2/27/2009

UoW 600 (2/05) REVERSE

APR. 10, 2009



BACHELOR OF PARAMEDICINE

RATIONALE FOR THE PROPOSAL

PROPOSAL: The University of Washington School of Medicine, Harborview Medical Center Paramedic Training Program is seeking bachelor's level degree status for students who complete the educational requirements of the Paramedic Program and the University of Washington.

RATIONALE: There is a significant amount of evidence supporting the creation of a Bachelor's Degree in Paramedicine:

- 1) The Commission on the Accreditation of Allied Health Education Programs (CAAHEP), in its last two site visits to the Paramedic Program, has recommended that the program continue to work on obtaining college credits for the course work.
- 2) A Bachelor's degree in Paramedic Training is currently offered at Central Washington University to serve the needs of Eastern Washington residents. There is no Bachelor's degree of Paramedicine in Western Washington. The School of Medicine Paramedic Program at Harborview is in a unique position to lead the way in creating a Bachelor of Paramedicine to serve the communities and residents of Western Washington.
- 3) The 2008 Strategic Master Plan for Higher Education in Washington calls for expanded bachelor's level degree programs in health sciences. This is a primary policy goal for the state.
- 4) The NHTSA Emergency Medical Services Agenda for the future expresses a desire to create a more comprehensive plan for EMS education to provide more consistency in educational quality and greater entry-level student competency. This has moved the profession forward to develop a National Education Standard structured on a competency based educational model.
- 5) The growth and expansion of this time tested program, has shown an evolvement from the 1969 pre-hospital treatment of cardiac complaints to the present treatment that includes all types of medical emergencies in a pre-hospital setting. This has led to an expansion of the curriculum to provide the training, education and skills reflected in the expanded scope of treatment. Historically, the program drew its applicant pool from the immediate Seattle area. Currently, the applicant pool comes from all counties of Western Washington. The program has become a regional training site for paramedics and has graduated, to date, 576 paramedics from this Western Washington region.
- 6) The success of Medic One has brought international recognition for the program. This recognition and the reputation for successful response and treatment has increased regional demand for the profession from local communities, who often sponsor candidates, along with their respective EMS agencies. It is a core principal of the program to train students who then return to their communities to serve.

7) There is a large legacy of research by UW SOM faculty and research activities in the Seattle/King County EMS system in the last 40 years that has led to advances in medicine that are practiced throughout the world. This has contributed to the international recognition of the UW as a leader in pre-hospital and resuscitation research. This research focus has influenced Paramedic training and enhanced the evidence based didactic and field internship format.

8) The School of Medicine supports the transition of this premier Paramedic Program to a baccalaureate degree at the University of Washington. In November of 2008, the School of Medicine committee unanimously approved the course curriculum.

This new degree offering will bring to the University of Washington a proven standard of excellence, as well as a national and international reputation as a leader in the field of Paramedicine. This is in keeping with the recognition the University currently holds as a major medical and research institution.

PARAMEDICINE PROGRAM:

CATALOG DESCRIPTION:

The Paramedic Training program, in the University of Washington School of Medicine, has been in existence since 1969. Paramedic training takes place at Harborview Medical Center, the regional Level 1 Trauma Center and Burn Center, where physician-taught didactic training occurs. Students pursue a five-quarter sequence of prescribed studies in the Paramedic Program. The intensive competency-based curriculum consists of a combination of lecture style classes, laboratory sessions and multiple patient contact experiences in Seattle Medic One vehicles, Harborview's Emergency Room and Coronary Care Units. Other training opportunities are provided at the University of Washington Medical Center and Children's Hospital as well as other hospitals in the greater Seattle area.

The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Students receive certification from the University of Washington Harborview Medical Center Paramedic Training Program once they have successfully passed all courses and exams in the Paramedic Program and additionally passed the Paramedic National Registry Exam. Student enrollment in the Bachelor of Paramedicine is contingent on admission to the University of Washington as a matriculated, degree seeking student. Students in the degree pathway must successfully complete all of the UW course work required for a Bachelor's degree.

Admission Requirements:

Paramedic students are pre-screened by their sponsoring Fire Departments and candidate applications are submitted for final consideration to the Paramedic Program.

Bachelor's Admittance:

All candidates applying for the Bachelor's degree must be accepted for admission by the Paramedic Program and by the University of Washington as a matriculated, degree seeking student. Candidates must meet both the Paramedic Training Program requirements and the University of Washington admission requirements applicable to transfer students. Admission to the program is administered by the Harborview Paramedic Program within the School of Medicine. The majority of applicants are working adults who have completed their pre-professional undergraduate coursework at other colleges and universities.

Paramedic Students must be admitted into the Bachelor's degree program during their time in paramedic training in order for their coursework to be considered as matriculated credits. Matriculation in the Bachelor of Paramedicine degree is dependent on both admittance by the Paramedic Program and admittance to the University of Washington. For more information regarding application procedures, academic and clinical prerequisites, call the Paramedicine Training Program at 206-521-1215.

Paramedic Training
325 Ninth Avenue, Box 359727
Seattle WA 98104-2499
Phone: (206)521-1215
Fax: (206)521-1914



December 17, 2007

University Registrar

To Whom,

The University of Washington Paramedic Training Certification program requests approval to become a Bachelor degree program. The request to transition to a Bachelor of Clinical Paramedicine Degree comes after 34 years of providing Paramedic certifications to the regions advance life support providers.

This paramedic training program, supported by the University of Washington School of Medicine, is the only Paramedic Training Program sanctioned by Washington State law (RCW 18.73.200) to provide Washington State Certification for Paramedics. We have strived to maintain our mission by maintaining national accreditation by the Commission on Accreditation of Allied Health Programs (CAAHEP). The increase in curriculum content generated by the Emergency Medical Services Education Agenda for the Future and the Paramedic Expanded Scope of Practice has pushed the accrediting agency to recommend that certificate programs upgrade to Associate or Bachelor degree programs and was so noted in the final review of our last two accreditation renewal site visits. The University of Washington would like to maintain this professional educational standard by moving our program to Bachelor degree status.

I request your concurrence of this matter and appreciate your support and assistance. If you have any questions, or need additional information, please contact my office at (206)521-1215.

Respectfully,

A handwritten signature in black ink, appearing to read "Michael K. Copass MD". The signature is written in a cursive, somewhat stylized script.

Michael Copass, MD
Professor of Medicine/Neurology
Director, Emergency Services
Director, Paramedic Training
Harborview Medical Center
325 9th Avenue Box 359727
Seattle WA 98104



Dean Brooke
Harborview Paramedic Program
Box 359727
325 Ninth Ave.
Seattle, WA. 98104

December 20, 2007

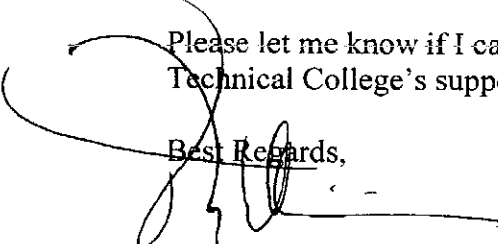
Dear Mr. Brooke:

I am very pleased to write this letter of support for Harborview Paramedic Program as it requests the University of Washington grant credit for this education. Paramedic training in Washington State is well recognized as a level par with other Allied Health programs. Giving college credit for this training not only demonstrates a commitment to educational excellence, but validates the program as a profession. In looking at many programs through educational facilities nationally, more are moving away from non-credit certificate programs, and offering degrees, either Associate or Bachelor levels.

Bellingham Technical College has maintained the Paramedic Program as an Associate in Applied Science Degree since we became part of the Community College system in 1990. As with many professions, we have found that paramedics, as they begin to advance in their careers, need college credit for promotional opportunities. Since Harborview operates through the UW as the teaching hospital, it seems logical that the paramedic program would be run under the credit model. In this State, we only have one opportunity for paramedics to gain credit at the university level, and at current, there are no options for students coming from two-year colleges with an Associate degree in Paramedicine to articulate into a four-year institution and obtain a Bachelor degree. I know that many of us at the two-year college level would like to have that conversation in the future, as we believe that expanding access and opportunities for students is a main goal of all programs, but certainly of Educational Institutions.

Please let me know if I can be of further assistance, and please accept Bellingham Technical College's support of your program as you work towards a credit model.

Best Regards,



Therese M. Williams
Associate Dean of Professional Technical Education

Form 1503 Attachment

Bachelor of Paramedicine Degree

November 24, 2008

The University of Washington School of Medicine/Harborview Medical Center Paramedic Training program is seeking bachelor's level degree status for students who complete the educational requirements of the program and complete the degree requirements for the University of Washington.

Introduction / History

The University of Washington/Harborview Medical Center Paramedic Training Program has been certifying paramedics for regional pre-hospital emergency medical service since 1969.

The University of Washington's involvement in paramedic education began in the late 1960's when a group of Seattle physicians led by Dr. Leonard A. Cobb, a UW Professor of Medicine and Cardiologist at Harborview Medical Center, recognized the potential for saving the lives of heart attack victims in the streets of the communities. In order to accomplish this they knew it would be necessary to train and equip a group of providers to perform medical procedures in the pre-hospital setting. This began in 1969 as a collaborative effort with the Seattle Fire Department and is currently enjoying its 5th decade of partnership.

The first class of 15 Seattle Fire Department personnel began the training course in 1969. This class was designed to provide pre-hospital treatment of patients with cardiac complaints. The students learned the essentials of coronary care. The course included 200 hours of classroom instruction, and 700 hours of internship at Harborview Medical Center under physician supervision. March 7, 1970 marked the first day of operation for Seattle Fire Department paramedics. Washington State law at the time required that paramedics be accompanied by a physician on every emergency call.

Shortly after its inception, Medic One began to produce positive results. Patients who were dead on the paramedics' arrival were successfully resuscitated, hospitalized, and eventually released from the hospital. With its growing success, the leaders of Medic One elected to use their knowledge gained in cardiac care and expand the paramedic's scope to include critical situations where paramedics could make a difference in survival and quality of life. This led to an expansion of paramedic training to include all types of medical emergencies that occur in the pre-hospital setting.

By 1972, the Paramedic Training Program had evolved into the entity that now exists. The program is a physician-led didactic training experience that also features extensive patient contact on Seattle Medic One vehicles and at many Seattle area hospitals. The University of Washington and Harborview Medical Center have been the regional training site for the paramedic training program since its inception. Changes in Washington State law in 1972 (RCW 18.73.200) gave the University of Washington School of Medicine the legal authority to certify paramedics.

In 1975, the program began training paramedics throughout King County in response to increased regional demand. The program has since expanded its scope to include students from throughout Western Washington. With the completion of the most recent class in 2008, 576 paramedics have graduated The University of Washington School of Medicine Paramedic Training Program.

Emergency Medical Services (EMS), as a profession, is now barely a generation old. In 1996 the National Highway Traffic Administration's (NHTSA) Emergency Medical Services Agenda for the Future noted a desire to create a comprehensive plan for EMS education that will result in enhanced consistency in educational quality and greater entry-level student competency. This vision has moved the profession forward to develop a new National Education Standard structured on a competency based educational model.

Accreditation

The University of Washington/Harborview Paramedic Training Program (UW/HMC/PMT) has always strived to meet and exceed this EMS vision by maintaining accreditation thru the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Through annual self assessments and re-accreditation site visits, the program has met all CAAHEP requirements and recommendations. CAAHEP, in its last two site visits has made the following recommendation: "Continue working to obtain college credits for the course. Students who commit to the time and academic rigor of this program should receive the academic recognition they deserve."

Currently there are not any bachelor level paramedic training degree opportunities in Western Washington, although a Paramedic Program currently exists at Central Washington University in eastern Washington. The UW/HMC Paramedic Training Program is currently the largest and most comprehensive paramedic training program in Washington State. The program is uniquely situated to provide a bachelor level degree and address the recommendations of our accrediting agency. The national trend is moving toward recognizing the need for a Paramedicine degree and Seattle is positioned to lead the way in Western Washington.

Relationship to Institutional Role & Mission of the UW

The primary mission of the University of Washington is the preservation, advancement, and dissemination of knowledge. The paramedic program will enhance this mission through its dedication to research activities in the EMS system, its service and commitment to the local Western Washington communities and by the addition of a new discipline to its degree offerings.

The UW/HMC Paramedic Training Program draws students from throughout Western Washington. Responding to local needs, communities and EMS agencies sponsor each student to attend the training program. The communities often pass levies to support these needs. The UW/HMC/PMT has become the primary educator and training agency for much of this region. A core principal of the program is to provide excellence in training the region's paramedics who then return to serve their communities.

Paramedics have become an essential component of the continuum of care and serve as a link among health resources within Western Washington communities. Emerging roles and responsibilities of the paramedic include public education, health promotion and participation in injury prevention programs. As the scope of service continues to expand, the paramedic is likely to function as a facilitator of access to care for the underserved, as well as an initial treatment provider.

The Seattle/King County Medic One system has gained international recognition as the pre-eminent EMS system in the world, again noted in the September 24, 2008 issue of the Journal of the American Medical Association where Seattle/King County was shown to have the best pre-hospital resuscitation outcomes of 10 North American cities examined.¹ The driving force behind this success is the legacy of research conducted by UW School of Medicine faculty since Medic One's inception five decades ago. Research activities at all levels of the Seattle/King County EMS system have led to advances in medicine that are practiced throughout the world. This has made the UW a recognized international leader in pre-hospital and resuscitation research. The research focus of Medic One has significantly influenced the training regimen used to educate paramedics enhancing our evidence based didactic and field internship format.

Opportunities Created

The 2008 Strategic Master Plan for Higher Education in Washington produced by the Washington State Higher Education Board cites expanded bachelor's level degree programs in health sciences as a primary policy goal for state agencies and institutions.² The report cites shortages of workers in high demand fields such as health care and the need to increase research capacity as a means of promoting economic growth and innovation within our economy.

The transformation of the UW/HMC/PMT to a bachelor's level degree program would facilitate each of these goals. By granting degree opportunities for paramedic students, the UW expands the educational opportunities for students who return to communities throughout Western Washington. The degree may be used as a foundation for pursuing additional education and training in health related fields such as physician assistant training, medical school or in other allied healthcare fields. The added degree potential would also expand opportunities with private industry and entrepreneurial innovations within healthcare.

The additional degree opportunities for paramedic students would also expand the research opportunities for UW School of Medicine faculty who focus on paramedic education and training for their primary research. In turn, the increased educational awareness of the pre-hospital workforce would facilitate compliance and accuracy of clinical research protocols through increased knowledge of research theory and methodology. Opportunities may be created for interdisciplinary research in response to the health care needs and access issues of a variety of populations.

Program Objective

The objective of UW/HMC/PMT is to train non-physicians in the principles of evaluation and resuscitation of the critically ill or injured patient. The educational goals of the paramedic student will be to attain advanced knowledge in the evaluation of acute medical emergencies and the psychomotor skills necessary to accomplish this task.

Admission Requirements

Candidates for the Bachelor of Paramedicine degree will normally be admitted at the junior year level and must pursue a five-quarter sequence of prescribed studies in paramedic training. Because the traditional student will come from local Fire Departments in Western Washington, many of the applicants will have completed their pre-professional academic coursework at college and universities other than the University of Washington.

To be eligible for the degree, students must be accepted for admittance by the UW/HMC/Paramedic Program and admitted as a degree seeking student by the University of Washington. Students must meet entrance requirements of the Paramedic Program as well as regular UW entrance requirements required of all UW transfer students. Students who do not meet the UW transfer admissions criteria may be encouraged to satisfy the admissions requirements before starting the paramedic program or admitted as non-matriculated students. These non-matriculated students will complete the training program and receive the current UW School of Medicine Paramedic certificate.

Individual Program Requirements:

Application

Paramedic students are pre-screened by their sponsoring Fire Departments. Candidates will submit an application and resume to the Paramedic Program.

Cover Letter

A brief cover letter will be submitted by the employer, verifying employment and recommending admission to the Paramedic Training Program. This information will be used by the Paramedic Program to assess the candidate's admission qualifications and fit with the program.

Prerequisites

Students must have completed college freshman level courses or the equivalent in:

- English Composition
- Intermediate Algebra (example: Math 098, Math 104 or 107)
- A 5 credit Science Course such as Human Anatomy and Physiology, Biology, Microbiology or Chemistry.

Official college transcripts must be submitted reflecting all college level courses taken from an accredited institution.

Records

Students must submit copies of the following records:

- Current Washington State EMT card that is valid through the certification year
- Valid Washington State Drivers License
- Verification of Health Insurance
- Current Immunizations
- Criminal Background Check

Graduation Requirements: Bachelor of Paramedicine

Eligibility for the Paramedicine Degree is contingent on admission to the Paramedic Program as well as admission to the University of Washington as a matriculated, degree seeking student. All candidates for the degree of Bachelor of Paramedicine must meet the general university requirements for a Bachelors degree as established in the UW General Catalog. Bachelor degrees require at least 180 college level credits. See advisors degree worksheet. (Attachment A)

General Education:

1. A minimum of 40 credits in general education courses distributed across the three disciplines of Visual, Literary and Performing Arts (VLPA); Individuals & Societies (IS); and Natural World (NW). A minimum of 10 credits in each area and no more than 15 credits in any one area may count toward the distribution requirement.

2. Courses which qualify for the general education requirement are to be taken from the current University Distribution List.

3. All the existing courses listed on the following pages will be required for the major in Paramedicine. (Note that these courses cannot also be counted as part of the general education requirements.)

Writing Proficiency:

Candidates for the degree must complete 5 credits of English composition and 7 additional writing course credits. W - prefix courses would satisfy this requirement.

Quantitative and Symbolic Reasons (QSR) Proficiency:

Candidates for the degree must complete no fewer than 4 credits of mathematics in which a substantial part of the work involves quantitative and/or symbolic reasoning. Courses satisfying the QSR and writing proficiency requirements may simultaneously be applied toward the general education requirements as long as the courses appear on the College of Arts and Sciences Distribution List.

Bachelors Degree vs. Certification

Currently the UW/HMC/PMT awards certification following successful completion of the training program as directed by the 1972 state law RCW 18.73.200. The goal of the paramedic-training program will be to offer 88 credits toward a Bachelor of Paramedicine degree as an addition to certification for those who meet UW entrance and degree requirements and who are accepted for admission to the UW as a matriculated, degree seeking student. The concurrent goal will be to increase the proportion of eligible students seeking degree status in future years. Although we do not anticipate requiring the degree as a condition to award paramedic certification, the future goal of the paramedic training program will be 100% degree attainment for its students.

Curriculum

The paramedic curriculum is a fast pace and intense competency based learning environment. In addition to the classroom lecture, labs, and clinical rotations, students are required to participate in field

practicums on Medic One vehicles. This provides extensive patient contact under direct supervision of fire department paramedics and allows for immediate feedback. These field practicums are an unusually large time commitment in addition to the normal classroom studies.

Quarters 1 & 2 Schedule

Quarter 1	1 st Summer Session	Contact Hours
MEDEX 451	Anatomy & Physiology	60
Quarter 2 (24 credit hours)		
MEDEX 401	Introduction to Paramedicine	167
MEDEX 402	Airway Management	66
MEDEX 403	Patient Assessment	67
MEDEX 414	<i>Paramedic Clinical Practicum I</i>	73
MEDEX 415	<i>Paramedic Field Practicum I</i>	240
	Total	673

Quarters 1 & 2 Terminal Objectives

At the completion of these courses, the paramedic student will be able to:

- Define his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers.
- Explain and value the importance of personal wellness in EMS and serve as a healthy role model for peers.
- Define the role that ethics plays in decision making in the out of hospital environment.
- Apply the general concepts of pathophysiology for assessment and management of emergency patients.
- Describe the legal issues that impact decisions made in the out of hospital environment.
- Integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.
- Safely and precisely access the venous circulation and administer medications.
- Integrate the principles of therapeutic communication to effectively communicate with any patient while providing care.
- Establish and/or maintain a patent airway, oxygenate, and ventilate a patient.
- Use the appropriate techniques to obtain a medical history from a patient.
- Explain the pathophysiological significance of physical exam findings.
- Integrate the principles of history taking and techniques of physical exam to perform a patient assessment.
- Apply a process of clinical decision making to use the assessment findings to help form a field impression.
- Follow an accepted format for dissemination of patient information in verbal form.
- Effectively document the essential elements of patient assessment, care, and transport.

Quarters 3 & 4 Schedule

Quarter 3	(20 credit hours)	Contact Hours
MEDEX 404	Medical Emergencies I	73
MEDEX 405	Trauma Emergencies	63
MEDEX 424	<i>Paramedic Clinical Practicum II</i>	72
MEDEX 425	<i>Paramedic Field Practicum II</i>	350
	Total	558
Quarter 4	(19 credit hours)	
MEDEX 406	Medical Emergencies II	55
MEDEX 407	Special Considerations for Paramedicine	70
MEDEX 434	<i>Paramedic Clinical Practicum III</i>	92
MEDEX 435	<i>Paramedic Field Practicum III</i>	400
	Total	617

Quarters 3 & 4 Terminal Objectives

At the completion of these courses, the paramedic student will be able to demonstrate the knowledge and principles associated with the acute management of medical or traumatic emergencies including:

- Cardiac arrest
- Shock and hemorrhage
- Soft tissue injuries and burns
- Spinal and thoracic injury
- Musculoskeletal injury
- Endocrine emergencies
- Allergic or anaphylactic reactions
- Gastroenterological emergencies and abdominal trauma
- Renal or urologic emergencies
- Environmental and behavioral emergencies
- Infectious and communicable diseases
- Respiratory emergencies
- Cardiovascular emergencies
- Gynecological, Neonatal, and Pediatric emergencies.
- Childbirth and childbirth emergencies
- Emergencies relating to abuse or assault.
- Diverse patients and those who face physical, mental, social, and financial challenges.
- Acute deterioration of the chronic care patient.
- Patients with suspected head injury.
- Patients with neurologic emergencies

Quarter 5 Schedule

Quarter 5	1st Summer session (19 credit hours)	Contact Hours
MEDEX 408	Advanced Certifications	121
MEDEX 444	<i>Paramedic Clinical Practicum IV</i>	51
MEDEX 445	<i>Paramedic Field Practicum IV</i>	480
	Total	652

Quarter 5 Terminal Objectives

At the completion of these courses, the paramedic student will also be able to demonstrate the professional attributes and skills required to:

- Describe and demonstrate key concepts, cognitive domains and psychomotor skill sets required to care for the critically ill and injured neonate or pediatric patient.
- Describe and demonstrate key concepts, cognitive domains and psychomotor skill sets required to perform standard of care resuscitation of the adult patient with acute coronary syndrome, stroke or cardiac arrest.
- Describe and demonstrate key concepts, cognitive domains and psychomotor skill sets required to perform standard of care resuscitation of the adult trauma patient.
- Integrate the principles of the Incident Command System (ICS) and Multiple Casualty Incident (MCI) management techniques in order to function effectively and safely in fire based EMS systems.
- Integrate the principles of rescue awareness and operations to safely rescue patients.
- Evaluate hazardous material emergencies, call for appropriate resources, and work in the cold zone.
- Describe awareness of the human hazard of crime and violence and the safe operation at crime scenes and other emergencies.

Faculty / Staffing

The Administration of Paramedic Training consists of seven paid employees:

Faculty	Michael K. Copass, MD	Professor of Medicine, Department of Neurology Director of Paramedic Training
Faculty	Steve H. Mitchell, MD	Division of Emergency Medicine Medical Advisor
Pro Staff	C. Dean Brooke, MICP	Assistant Director of Paramedic Training Student Advisor/Counselor
Pro Staff	Jerry M. Erhler	Education Coordinator; Student Advisor/Counselor
Pro Staff	Katrina Jordan	Admin. Specialist; Student Advisor/Counselor
Pro Staff	Arthur B. Cole, MICP	Continuing Ed. Coordinator (renewed annually)
Classified Staff	Michelle Prock	Program Coordinator
Ltd Term Appt	Keir Warner, BS	Research / Quality Assurance Coordinator
Pro Staff	Sheila Nelson	Student Services Advisor (MEDEX Northwest)
Pro Staff	Jennifer Johnston	Degree Advisor (MEDEX Northwest)

The majority of teaching staff consists of UW/Harborview faculty. Here is a sampling.

Hugh M. Foy, MD	Professor of Surgery
Graham Nichol, MD, MPH, FRCP(C), FACP	Professor, Center for Prehospital Emer. Care
Sam R. Sharer, MD	Professor of Anesthesia
David J. Carlbom, MD	Assistant Professor of Medicine Division of Pulmonary and Critical Care Associate Director, Emergency Services
Samuel A. Warren, MD	Acting Instructor, General Internal Medicine, Division of Emergency Services
Thomas D. Rea, MD	Associate Professor of Medicine, General Internal Medicine
Peter J. Kudenchuk, MD	Professor of Medicine Department of Cardiology Arrhythmia Services, UWMC
Mickey S. Eisenberg, MD	Professor of Medicine Division of Emergency Medicine UWMC Medical Program Director King County Emergency Medical Services
Alice B. Brownstein, MD	Assistant Professor, General Internal Medicine

Amy Baernstein, MD	Associate Professor of Medicine, General Internal Medicine
Robert Kalus, MD	Assistant Professor, General Internal Medicine
Francis Kim, MD	Associate Professor of Medicine, Division of Cardiology
Michael A. Chen, MD	Attending Physician Division of Cardiology
Andrew Luks, MD	Associate Professor of Medicine
Margaret Neff, MD	Associate Professor of Medicine, Division of Pulmonary and Critical Care
Erik Van Eaton, MD	Surgical Critical Care Fellow Department of Surgery
Andreas Grabinsky, MD	Assistant Professor, Anesthesiology
Jared W. Remington, MD	Acting Instructor, Emergency Services
Wendell Patrick Fleet, MD	Professor of Medicine, Division of Nephrology
Edward A. Gill, MD	Associate Professor of Medicine Division of Cardiology
David R. Park, MD	Director of Echocardiography Lab Associate Professor, Pulmonary & Critical Care Medicine
Milton L. Routt, MD	Associate Professor, Orthopaedics and Sports Medicine
William E. Kriegsman, MD	Clinical Instructor, Family Medicine
Dane K. Wingerson	Assistant Professor, Psychiatry and Behavioral Sciences

Classroom instructors are comprised of Harborview Medical Center/University of Washington physicians. Over the course of the ten month program, paramedic training utilizes approximately 30-40 of the top physicians in their field, e.g. Cardiology, Pulmonology, Neurology, Pharmacology etc., covering all of the pre-hospital subjects set forth by the National Standard Curriculum. Field internship is then carefully administered by approximately 75 Seattle Fire Department senior paramedics.

Advising, Counseling and Mentoring

A plan is in place to advise future candidates wishing to pursue this degree pathway. By approaching people early in their decision making process, we are able to counsel and advise them in the selection of their academic pre-requisites. The Assistant Director of the program will have responsibility for or will train and assign other program faculty/staff to make presentations at regional Health Career Fairs; plan, advertise and present information sessions for potential applicants; visit regional Fire Departments and Public Health Districts to speak about preparation for the degree program or speak to local community groups who may provide scholarships for deserving applicants. In addition, the proper Paramedic staff will identify and mentor individuals over time and assist them in developing an educational plan that will keep them on a track to enter the program with the proper degree requirements. We can assist them in locating courses at their local community colleges that would provide the correct transfer credit needed to be eligible for admission to the degree pathway.

Diversity

Paramedic Training enjoys a naturally diverse student body by virtue of the fact that candidates are pre-selected by the agencies that send them to this facility for training. The paramedic providers in this region are fire and EMS based agencies that are required to follow local and federal regulations with regard to hiring practices. As a result of equal opportunity employers, the student population is without bias or discrimination with regard to race, color, creed, gender, sexual orientation, national origin, or religion.

We enjoy a diverse student group including female, male, Asian, Caucasian, African-American, American Indian and Hispanic as well as those who are disadvantaged. Due to state mandated hiring

practices, we would expect to continue training a fairly broad, consistent, and ethnically diverse group of students each year. Through our counseling, advising and mentorship we will continue to identify, encourage and advise all candidates in their preparation to be admissible to our program.

Impact to the University

The offering of the Bachelor or Paramedicine degree by the UW will have no administrative impact on existing UW classrooms, equipment or financing. As noted above, the UW/HMC/PMT is in its 5th decade of providing training for paramedics. The program has well-established classroom space and funding mechanisms to provide necessary equipment and educators to carry out its mission. The primary funding source is the Medic One Foundation, a locally based organization whose primary mission is “Raising money to support excellence in pre-hospital emergency care.”³ Please reference the Medic One Foundation website referenced below for the full scope of its mission in support of paramedic training. The UW/HMC/PMT has well established relationships with UW School of Medicine faculty members who have carried out its educational mission for decades. No additional faculty recruitment is anticipated. We do envision that the addition of this degree pathway will have an impact to the University by opening opportunities for the Paramedic discipline to work and collaborate in an interdisciplinary environment. In addition, the UW faculty involved in Paramedic education can be recognized for their teaching efforts in another degree program.

Summary

The UW/HMC Paramedic Training Program, supported by the University of Washington School of Medicine, is the only Paramedic Training Program sanctioned by Washington State law (RCW 18.73.200) to provide Washington State Certification for Paramedics. We have strived to succeed in our mission by maintaining national accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The increase in curriculum content generated by the Emergency Medical Services Education Agenda for the Future and the Paramedic Expanded Scope of Practice has pushed the accrediting agency to recommend that certificate programs upgrade to Bachelor Degree status and has been so noted in the final review of our last two accreditation renewal site visits.

It is quite clear that the national EMS environment is transitioning Paramedicine to a degree program. It is also widely acknowledged that the rigors of the UW/HMC Paramedic Training Program, arguably the best program in the country, more than satisfy the strict University standards for a degree program. It is the goal of the UW/HMC Paramedic Training Program to gain acceptance of our Bachelor of Paramedicine degree at the University of Washington.

1. Nichol G, Thomas E, Callaway CW, et al. Regional variation in out-of-hospital cardiac arrest incidence and outcome. *JAMA*. 2008-09-24. Vol. 300, Iss. 12; p. 1423-31
2. Washington Higher Education Coordinating Board; 2008 Strategic Master Plan for Higher Education in Washington. p. 25-26. <http://www.hecb.wa.gov/news/newsreports/newsreportsindex.asp> Accessed November 22, 2008.
3. The Medic One Foundation. <http://www.mediconefoundation.org/> Accessed November 22, 2008.

Attachment A

Bachelor of Paramedicine
Requirement Worksheet

Name _____ Student Number _____

I. PROFICIENCY REQUIREMENTS

1. ___ I started college before fall 1985, have less than 85 transfer credits and fulfilled old proficiency requirements: (15 credits in any combination of math, composition or foreign language)

2. ___ I started college before fall 1985 and have 85 or more transfer credits.

3. ___ I have already completed a bachelor's degree

4. ___ I started college after fall 1985 and have completed the proficiency requirements:

English Composition (5 credits): _____
(2.0 or higher grade required; may also be satisfied with score of 3 or higher on AP exam)

Additional Writing (7 credits): _____
To qualify as W courses _____

Quantitative and Symbolic Reasoning (from QSR list)

- ___ Q/SR course: _____
- ___ Passing score on Q/SR proficiency exam
- ___ Score of 3 or higher on College Board AP math exam
- ___ Score of 4 or 5 on College Board AP physics or computer science exam

II. AREAS OF KNOWLEDGE

(Minimum of 40 credits; at least 10 credits in each group; no more than 15 in any one area may count toward the distribution requirement)

Visual Literary & Performing Arts	Credits	Individuals & Societies	Credits	The Natural World	Credits
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

III. ELECTIVE COURSES (NON-MAJOR)

Course: _____ Credits: _____
Course: _____ Credits: _____
Course: _____ Credits: _____
Course: _____ Credits: _____

Non major credits _____

IV. Paramedic major: = 88 credits

Total Credits for the Degree must be a minimum of 180: Total Credits = _____

Seattle: Bachelor of Paramedicine degree (MEDEX-20090123)

Tri-Campus Review Comments:

mupton

MELISSA P UPTON

Posted Mar 2, 2009 1:05 P

The UW Medex program has a proven track record of training skilled professionals in paramedicine, and graduates fill an essential role in meeting health care needs of citizens in the State of Washington. Creating the Bachelor degree for paramedicine is timely, adding value to the degree and providing graduates with the potential of seeking graduate level training, if desired, at some time in the future, as they may seek additional training in health care policy, in a specific science or in another post-graduate health care role. Many health practitioners evolve in their roles and acquire leadership skills in the tufure. The Bachelor degree serves the Medex graduates and the region well, providing additional rigor to the scope of the degree requirements and also enhancing the graduates to evolve and to grow in the future in response to currently unanticipated changes in the dynamic health care system and the the future needs of the patients. I strongly endorse this degree program as both timely and wise. It will poise the UW program to attract the highest level of applicants, and it will enable the trainees to take on unique leadership roles in this evolving discipline.

wesley

WESLEY C VAN VOORHIS

Posted Mar 2, 2009 9:26 PM

I am in support of this program and I think it would be very helpful for the region and UW to have such a program. My only comment is that the name is questionable. Most people recognize the term paramedic but the term "paramedicine" conjures up images of medicine based on alternative pathways. Asking several of my friends and family what they thought the term meant, no one recognized the association with paramedics, but rather thought the program was associated with the paranormal or other outlandish ideas. I wonder if you could rename the program Paramedic Bachelors? Wes Van Voorhis

steinkp

KENNETH P STEINBERG

Posted Mar 2, 2009 12:53 PM

I love the idea of adding this degree program and congratulate the UW for taking this step. But I really don't like the name. Too reminiscent of 'paranormal' and evokes images of mystical healing and alternative medicine. Need to think of a better name (paramedicine is not in my Random House Webster's Unabridged Dictionary though I realize the name is gaining traction nationally). What about Bachelor of Paramedical Science? Or Bachelor of Paramedical Service (capturing the broad notion that paramedical care is not just about science but also about public policy and public safety)? I hope the name is changed but I am glad the program is being proposed!

Jennifer A. Payne

From: Sheila Nelson [sdnelson@u.washington.edu]
Sent: Friday, April 03, 2009 12:45 PM
To: uwcr
Subject: Paramedicine

Hi Jennifer,

I have not been able to contact the Paramedic Program for input on this, but I believe they chose the name Bachelor of Paramedicine because that is the known terminology in the medical field for their profession. The term Paramedicine is used throughout the world, namely Australia and England for this very profession. Many colleges in the US use this term for paramedic training in their institutions.

I quote from Wikipedia who references the EMS Agenda for the Future:
"Paramedicine is the unique domain of practice that represents the intersection of health care, public health, and public safety. While discussed for many years, the concept of paramedicine was first formally described in the EMS Agenda for the Future.[1]
Paramedicine represents an expansion of the traditional notion of emergency medical services as simply an emergency response system. Paramedicine is the totality of the roles and responsibilities of paramedics and represents the highest level of the practice of out of hospital medicine by non-physicians

I do feel that the Paramedic Program would like to maintain the Bachelor of Paramedicine as their degree name.

Sheila

Sheila Nelson, 206-616-7753
Human Resource Manager

MEDEX Northwest
Phone: 206-616-4001 / 616-7753
FAX: 206-616-3889
4311 11th Ave. NE, Suite 200
Seattle, WA 98105-4608
Campus Box: 354980

UNIVERSITY CAMPUSES UNDERGRADUATE PROGRAM REVIEW PROCEDURES**

CHECKLIST

Title of Proposal: Bachelor of Paramedicine Degree (MEDEX-20090123)

Proposed by (unit name): MEDEX Northwest

Originating Campus:

UW, Seattle

UW, Bothell

UW, Tacoma

I. Phase I. Developed Proposal Review (to be completed by Originating Campus' Academic Program Review body)

A. Review Completed by: (list name of program review body)

Chaired by:

02/27/09 Date proposal received by originating campus's review body

03/02/09 Date proposal sent to University Registrar

03/02/09 Date proposal posted & email sent to standard notification list

04/10/09 Date of originating campus's curriculum body approval

(Note: this date must be 15 business days or more following date of posting)

B. 3 Number of comments received. Attach the comments and a summary of the consideration and responses thereof : (1-2 paragraphs)

II. Phase II. Final Proposal Review (to be completed by FCTCP)

A. Review Completed by:

FCTCP subcommittee

FCTCP full council

Chaired by: Janet Primomo, RN, PhD

4/13/09 Date request for review received from University Registrar

4/21/09 Date of FCTCP report

B. Review (attached)

YES NO

Was notice of proposal posted on UW Website for 15 business days?

Was notice of proposal sent to standard mailing list 15 business days in advance of academic program review?

Were comments received by academic program review body?

Was response to comments appropriate? (explain, if necessary)

Was final proposal reviewed by FCTCP within 14 days of receipt?

Was there adherence to the University Campuses Undergraduate Program Review Process? (explain, if necessary)

C. Recommendation

C. Recommendation

The Program Review sub-committee of the FCTCP reviewed this proposal for a Bachelor of Paramedicine Degree (MEDEX-20090123) at UW Seattle. The Council noted that all procedures were followed. There were 3 comments, all in support, with 2 challenging the name of the program as being easily confused with alternative medical approaches. The program responded that this is the accepted terminology for the field, and it was confirmed by the FCTCP that the term Paramedicine is used in the field.

The FCTCP is pleased to have the Registrar forward the final proposal. Thank you.
Janet Primomo, Chair, FCTCP

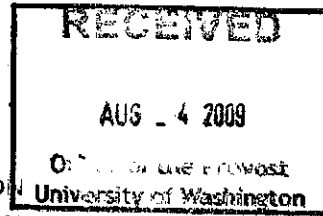
Forward for final approval

Forward to Provost because of University issues (Explain)

Return to campus council because of insufficient review (Explain).

**Endorsed by Faculty Senate Executive Committee, 1/10/05, modified 1/31/06; These procedures apply to new undergraduate degrees, majors, minors (and certificates) and substantive changes to same

JESUS HERNANDEZ
CHAIR



ANN DALEY
EXECUTIVE DIRECTOR

STATE OF WASHINGTON
HIGHER EDUCATION COORDINATING BOARD

917 Lakeridge Way SW • PO Box 43430 • Olympia, WA 98504-3430 • (360) 753-7800 • FAX (360) 753-7808 • www.hecb.wa.gov

July 29, 2009

Dr. Phyllis Wise
Provost
University of Washington
P.O. Box 351230
Seattle, WA 98195-1230

Dear Dr. Wise:

The Higher Education Coordinating Board reviewed University of Washington's request to establish a Bachelor of Paramedicine at its July 28 meeting.

Resolution No. 09-09 (copy enclosed) was adopted by the Board and grants approval to the University of Washington to initiate offering the degree program effective Fall 2009. CIP code 59.0904 has been assigned to this program.

A copy of the report and resolution has been forwarded to our veterans' affairs approval unit, the State Approving Agency.

We wish you success with this program.

Sincerely,

A handwritten signature in black ink, appearing to read "Randy Spaulding".

Randy Spaulding, Ph.D.
Director of Academic Affairs

cc: Ann Daley, Executive Director
Mike Ball, Associate Director, State Approving Agency



STATE OF WASHINGTON
HIGHER EDUCATION COORDINATING BOARD

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RESOLUTION 09-09

WHEREAS, The University of Washington proposes to offer a Bachelor of Paramedicine; and

WHEREAS, The program would respond to student, employer, and community need and would provide paramedics with college credit and a degree in health sciences, in addition to an EMT-Paramedic certificate; and

WHEREAS, The program's students would study a curriculum renowned for its comprehensiveness and rigor, taught by faculty whose scholarship and teaching is well known and respected internationally; and

WHEREAS, The program has support from external reviewers; and

WHEREAS, The program would not unnecessarily duplicate existing programs; and

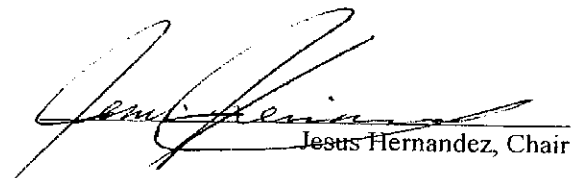
WHEREAS, The program would be offered at a reasonable cost;

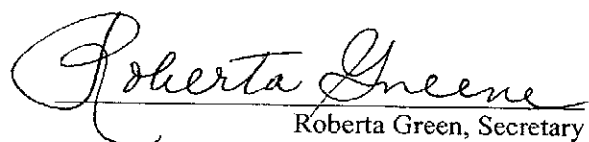
THEREFORE, BE IT RESOLVED, That the Higher Education Coordinating Board approves the Bachelor of Paramedicine at the University of Washington, effective July 28, 2009.

Adopted:

July 28, 2009

Attest:


Jesus Hernandez, Chair


Roberta Green, Secretary

