SCHOOL OF HEALTH PROFESSIONS

The School of Health Professions consists of four academic departments: Exercise Science, Physician Assistant Physical Therapy, and Rehabilitation Services. Undergraduate programs include Exercise Science, Physician Assistant and Rehabilitation Services. Graduate programs include the Master's of Science degree in Rehabilitation Counseling and the Doctor of Physical Therapy. Students are actively involved with faculty initiatives to improve the health and well-being of the community through health education/promotion. A variety of internship sites for student practical experiences are available.

DEPARTMENT OF EXERCISE SCIENCE

Acting Dean
Raymond Blakely, Ph.D.

Acting Chair and Professor
Leon N. Coursey, PhD

Assistant Professor
Kirkland J. Hall, M.S.

Lecturer
Beatrice Nelson, M.S.

MISSION

The mission of the Department of Exercise Science is to prepare students in the field of Exercise Science. The Exercise Science major is designed to satisfy the professional needs of students desiring an in-depth study of the impact of exercise and sport on the mental and physiological development of human beings.

GOALS

The goal of the Department of Exercise Science is to prepare students to pursue specific career paths as exercise scientist in allied health fields, pre-professional school, educational institutions, private sector (as consultants, researchers), coaches, athletic trainers, agency and corporate fitness and clinical rehabilitation. Graduates of this program will be prepared to pursue graduate studies in areas of biomechanics, exercise physiology, motor learning or Physical Therapy programs.

OBJECTIVES

The objectives for the program of Exercise Science are designed to meet the following:

- Master the body of knowledge in Exercise Science to become familiar not only with what is currently being done within the discipline, but also provide opportunities for research and graduate school. science with the skills required to function efficiently in the exercise science profession.
- To prepare students for employment opportunities in the field of exercise science and other areas related to the major.
- To provide professional opportunities for developing leaders among ethic minorities in the exercise science profession.
- To provide students with opportunities to develop administrative effectiveness, information management, leadership capacity, and research efficacy in the field of exercise science.
- To provide opportunities for students to acquire the necessary skills to utilize developing technology employed in the Exercise Science profession.

DESCRIPTION OF PROGRAM

The Exercise Science program leads to a Bachelor of Science (BS) degree in Exercise Science. The flexibility of the curriculum provides the students an opportunity to select courses that will meet the pre requisites for the Physical Therapy program. The purpose of this program is to develop competent exercise scientist who will provide effective professional services while developing innovative procedures for dealing with problems emanating from health-related aspects of physical activities and sport performance.

ALTERNATIVE CREDITS

Beginning Fall 2005, all students who enroll in degree programs will be required to complete 12 alternative credits before graduating. Alternative credits can be earned by completing internships, summer and winter session courses, on-line courses, and courses completed while studying abroad.

EXERCISE SCIENCE
GENERAL PROGRAM
Required and Recommended Course Sequence

I. General Education Requirements
TOTAL REQUIRED FOR GENRERAL EDUCATION – 39 Credits
Students should consult their freshman or departmental advisor when making course selections.

A. Curriculum Area I – (Arts and Humanities) **9 Credits**

	Credits
Students must select ENGL 203 plus two additional courses	3
ARTS 101 or MUSI 101	3
HIST 201 or Higher	3

B. Curriculum Area II – (Social and Behavioral Sciences) **6 credits**

	Credits
Students must select one course in each of two disciplines:	
SOCIAL SCIENCES: ECON 201 or ECON 201H, ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342 SOCI 101 or SOCI 111H	3
BEHAVIORAL SCIENCES: CRJS 101, HUEC 203, HUEC 200, HUEC 361, HUEC 380, SOWK 200 or SOWK 200H, PSYC 200, SOCI 201	3

C. Curriculum Area III – (Biological and Physical Sciences) **8 credits**

Course	No.	Title	Credits
BIOL	111	Principles of Biology I **and**	3
BIOL	113	Principles of Biology I Lab **and**	1
BIOL	112	Prin. of Biology II **and**	3
BIOL	114	Prin. of Biology II Lab	1

OR

CHEM	111	Principles of Chemistry I **and**	3
CHEM	113	Principles of Chemistry I Lab **and**	1
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1

#Students who have not completed High School Chemistry **must** enroll in CHEM 101 and CHEM 103.

D. Curriculum Area IV – (Mathematics) **3 credits**

Course	No.	Title	Credits
MATH	109	College Algebra **or**	
MATH	110	Trigonometry and Analytic Geometry	3

E. Curriculum Area V – (English Composition) **9 Credits**

Course	No.	Title	Credits
ENGL	101/H/W	Basic Composition I **or**	3
ENGL	102H./W	Basic Composition II	3
ENGL	305/H/W	Technical Writing (Honors) **or**	
ENGL	310/W	Advanced Composition	3

F. Curriculum Area VI – (Emerging Issues) **4 Credits**

Course	No.	Title	Credits
EDHE	111	Personalized Health Fitness	3
GNST	100	First Year Exerience	1

II. Program Core Requirements **51 Credits**

Course	No.	Title	Credits
EXSC	200	Introduction to Exercise Science	3
EXSC	251	Stress Management	3
EXSC	301	Tests and Measurement in Exercise Science	3
EXSC	302	Prevention and Care of Athletic Injury	3
EXSC	311	Kinesiology **and**	3
EXSC	312	Kinesiology Lab	1
EXSC	331	Drug Use and Health	3
EXSC	332	Exercise Physiology **and**	3
EXSC	333	Exercise Physiology Lab	1
EXSC	341	First Aid & CPR	1
EXSC	352	Psychology of Sports	3
EXSC	355	Exercise Testing and Prescription	3
EXSC	360	Nutrition for Exercise Science	3
EXSC	363	Motor Development	3
EXSC	369	Research Methods in Exercise Science	3
EXSC	382	Socio-Cultural Analysis of Sports and Exercise	3
EXSC	411	Adapted Methods in Exercise Science	3
EXSC	433	Organization and Administration	3
EXSC	469	Practicum in Exercise Science	3

III. Supportive Core Requirements ***25 Credits**

***Choose a minimum of 25 credits from courses listed below with approval of advisor.**

Course	No.	Title	Credits
BIOL	231	Human Anatomy and Physiology I **and**	3
BIOL	233	Human Anatomy and Physiology I Lab	1
BIOL	232	Human Anatomy & Physiology II **and**	3
BIOL	234	Human Anatomy and Physiology II Lab	1
BUAD	213	Business Software Applications	3
BUED	212	Computer Concepts/Applications I	3
CHEM	211	Fundamentals of Organic Chemistry I **and**	3
CHEM	213	Fundamentals of Organic Chemistry I Lab	1
CHEM	212	Fundamentals of Organic Chemistry II **and**	3
CHEM	214	Fundamentals of Organic Chemistry II Lab	1
EXSC	365	Physical Wellness for Older Adults	3
EXSC	455	Sports Facility Management	3
PHYS	101	Theories and Applications of Physical Science **and**	3
PHYS	103	Theories and Applications of Physical Science Lab	1

IV. <u>Professional Internship</u> **6 Credits**

Course	No.	Title	Credits
EXSC	490	Internship in Exercise Science	6

EXERCISE SCIENCE
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab	1
ENGL	101	Basic Composition I	3
EXSC	200	Intro. To Exercise Science	3
		GER. CURR. AREA I	3
GNST	100	First Year Experience	1
MATH	109	College Algebra **or**	
MATH	110	Survey of College Math	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
CHEM	111	Principles of Chem I	3
CHEM	113	Principles of Chem I Lab	1
EDHE	111	Personalized Health Fitness	3
ENGL	102	Basic Composition II	3
PHYS	121	General College Physics I	3
PHYS	123	General College Physics I Lab	1
PSYC	200	Intro to Sociology	3
		Semester Total	**17**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
BIOL	231	Human Anat. and Physiology I	3
BIOL	233	Human Anat. and Physio. I Lab.	1
ENGL	203	Fundamentals of Cont. Speech	3
EXSC	251	Stress Management	3
EXSC	301	Measurements in Exercise Sci.	3
		Semester Total	**13**

SPRING SEMESTER			HOURS
BIOL	232	Human Anat. and Physio. II	3
BIOL	234	Human Anat. and Physio. II Lab.	1
BUED	212	Computer Concepts & Aps. I	3
EXSC	222	Intermediate Swimming	1
EXSC	302	Prev. & Care of Athlet. Injury	3
EXSC	341	First Aid and CPR	3
		Semester Total	**14**

JUNIOR YEAR

FALL SEMESTER			HOURS
EXSC	311	Kinesiology	3
EXSC	312	Kinesiology Lab	1
EXSC	352	Psychology of Sports	3
EXSC	363	Motor Development	3
EXSC	365	Cont. Issues in EXSC	3
		GEN. CURR. AREA. VI	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
EXSC	331	Drug Use and Health	3
EXSC	332	Exercise Physiology	3
EXSC	333	Exercise Physiology Lab	1
EXSC	355	Exercise Test. & Prescrip.	3
EXSC	369	Research Methods	3
EXSC	382	Socio-Cultural Analysis	3
		Semester Total	**16**

SENIOR YEAR

FALL SEMESTER			HOURS
ENGL	305/W	Technical Writing	3
EXSC	411	Adapted Methods in Ex. Sci.	3
EXSC	431	Lead. & Org. in EXSC	3
EXSC	455	Sports Facility Management	3
EXSC	469	Practicum in Exercise Sci.	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
		Elective	3
EXSC	360	Exercise and Sport Nutrition	3
EXSC	490	Internship in Exercise Sci	6
		Semester Total	**12**
		Total Credits Required	**121**

EXERCISE SCIENCE
PRE-PHYSICAL THERAPY
Required and Recommended Course Sequence

The University of Maryland Eastern Shore post-baccalaureate entry-level physical therapy program offers graduate work leading to the Doctor of Physical Therapy (DPT) Degree.

The DPT degree program constitutes the initial professional preparation for students desiring to become physical therapists. Graduates of the program will be prepared to carry out expanding responsibilities as autonomous health care providers practicing in acute care, rehabilitation and outpatient settings, as well as educational and research environments. The professional program will also prepare students to contribute to the field of physical therapy through research and other scholarly activities.

The DPT degree program is designed to meet the Standards of Practice of the American Physical Therapy Association and is accredited by the Commission on Accreditation in Physical Therapy Education. Graduates of the program may apply for licensure in any state and the District of Columbia

Exercise Science majors wishing to pursue a career in physical therapy should meet with a departmental advisor for course selection to satisfy physical therapy program prerequisites. Physical Therapy admission requirements may be found at www.umes.edu/pt/.

Due to certain factors (i.e. number of available clinical sites), the number of qualified students who can be accepted into the Doctoral Program is limited. The Physical Therapy Admissions Committee will consider such criteria as overall GPA, mathematics and science GPA, prior experience and personal interview scores in making its decision for admission.

I. General Education Requirements
TOTAL REQUIRED FOR GENRERAL EDUCATION – 39 Credits
Students should consult their freshman or departmental advisor when making course selections.

A. Curriculum Area I – (Arts and Humanities) **9 Credits**

	Credits
Students must select ENGL 203 plus two additional courses	3
ARTS 101 or MUSI 101	3
HIST 201 or Higher	3

B. Curriculum Area II – (Social and Behavioral Sciences) **6 credits**

	Credits
Students must select one course in each of two disciplines:	
SOCIAL SCIENCES: ECON 201 or ECON 201H, ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342 SOCI 101 or SOCI 111H	3
BEHAVIORAL SCIENCES: CRJS 101, HUEC 203, HUEC 200, HUEC 361, HUEC 380, SOWK 200 or SOWK 200H, PSYC 200, SOCI 201	3

C. Curriculum Area III – (Biological and Physical Sciences) **8 credits**

Course	No.	Title	Credits
BIOL	111	Principles of Biology I **and**	3
BIOL	113	Principles of Biology I Lab **and**	1
BIOL	112	Prin. of Biology II **and**	3
BIOL	114	Prin. of Biology II Lab	1

OR

CHEM	111	Principles of Chemistry I **and**	3
CHEM	113	Principles of Chemistry I Lab **and**	1
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1

#Students who have not completed High School Chemistry **must** enroll in CHEM 101 and CHEM 103.

D. Curriculum Area IV – (Mathematics) **3 credits**

Course	**No.**	**Title**	**Credits**
MATH	109	College Algebra **ot**	
MATH	110	Trigonometry and Analytic Geometry	3

E. Curriculum Area V – (English Composition) **9 Credits**

Course	**No.**	**Title**	**Credits**
ENGL	101/H/W	Basic Composition I **or**	3
ENGL	102H./W	Basic Composition II	3
ENGL	305/H/W	Technical Writing (Honors) **or**	
ENGL	310/W	Advanced Composition	3

F. Curriculum Area VI – (Emerging Issues) **4 Credits**

Course	**No.**	**Title**	**Credits**
EDHE	111	Personalized Health Fitness	3
GNST	100	First Year Exerience	1

II. Program Core Requirements **51 Credits**

Course	**No.**	**Title**	**Credits**
EXSC	200	Introduction to Exercise Science	3
EXSC	222	Intermediate Swimming	1
EXSC	251	Stress Management	3
EXSC	301	Tests and Measurement in Exercise Science	3
EXSC	302	Prevention and Care of Athletic Injury	3
EXSC	311	Kinesiology **and**	3
EXSC	312	Kinesiology Lab	1
EXSC	331	Drug Use and Health	3
EXSC	332	Exercise Physiology **and**	3
EXSC	333	Exercise Physiology Lab	1
EXSC	341	First Aid & CPR	1
EXSC	352	Psychology of Sports	3
EXSC	355	Exercise Testing and Prescription	3
EXSC	360	Nutrition for Exercise Science	3
EXSC	363	Motor Development	3
EXSC	369	Research Methods in Exercise Science	3
EXSC	382	Socio-Cultural Analysis of Sports and Exercise	3
EXSC	411	Adapted Methods in Exercise Science	3
EXSC	433	Organization and Administration	3
EXSC	469	Practicum in Exercise Science	3

III. Supportive Core Requirements ***25 Credits**

***Choose a minimum of 25 credits from courses listed below with approval of advisor.**

Course	No.	Title	Credits
BIOL	231	Human Anatomy and Physiology I **and**	3
BIOL	233	Human Anatomy and Physiology I Lab	1
BIOL	232	Human Anatomy & Physiology II **and**	3
BIOL	234	Human Anatomy and Physiology II Lab	1
BIOL	301	Microbiology **and**	3
BIOL	303	Microbiology Lab **or**	1
BIOL	326	Cell Biology **and**	3
BIOL	327	Cell Biology Lab **or**	1
BIOL	420	Animal Histology **and**	3
BIOL	421	Animal Histology Lab **or**	1
BUAD	213	Business Software Applications	3
BUAD	304	Small Business Management Entrepreneur	3
BUED	212	Computer Concepts/Applications I	3
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1
CHEM	211	Fundamentals of Organic Chemistry I **and**	3
CHEM	213	Fundamentals of Organic Chemistry I Lab	1
CHEM	212	Fundamentals of Organic Chemistry II **and**	3
CHEM	214	Fundamentals of Organic Chemistry II Lab	1
PHYS	121	Theories and Applications of Physical ScienceI **and**	3
PHYS	123	Theories and Applications of Physical Science Lab	1
PHYS	122	Theories and Applications of Physical Science II **and**	3
PHYS	124	Theories and Applications of Physical Science II Lab	1

IV. Professional Internship **6 Credits**

Course	No.	Title	Credits
EXSC	490	Internship in Exercise Science	6

EXERCISE SCIENCE
PRE-PHYSICAL THERAPY
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab	1
ENGL	101	Basic Composition I	3
		GER. CURR. AREA I	3
GNST	100	First Year Experience	1
MATH	109	College Algebra **or**	
MATH	110	Survey of College Math	3
SOCI	101	Intro. to Sociology	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
CHEM	111	Principles of Chem I	3
CHEM	112	Principles of Chem I Lab	1
EDHE	111	Personalized Health Fitness	3
ENGL	102	Basic Composition II	3
EXSC	200	Intro. To Exercise Science	3
PSYC	200	Intro to Sociology	3
		Semester Total	**16**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
PHYS	121	General College Physics I	3
PHYS	123	General College Physics I Lab	1
ENGL	203	Fund. of Cont. Speech	3
EXSC	251	Stress Management	3
EXSC	301	Measurements in Exercise Sci.	3
HIST	201	Hist. of Amer. Civ. I	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
PHYS	122	Gen. College Physics II	3
PHYS	124	Gen. College Physics II Lab	1
BUED	212	Computer Concepts & Aps. I	3
EXSC	302	Prev. & Care of Athlet. Injury	3
EXSC	311	Kinesiology	3
EXSC	312	Kinesiology Lab	1
EXSC	360	Exercise and Sport Nutrition	3
		Semester Total	**17**

JUNIOR YEAR

FALL SEMESTER			HOURS
BIOL	231	Hum. Anat. and Physi. I	3
BIOL	233	Hum. Anat. and Physio. I Lab.	1
BUAD	213	Business Software Aps	3
EXSC	332	Exercise Physiology	3
EXSC	333	Exercise Physiology Lab	1
EXSC	352	Psychology of Sports	3
EXSC	363	Motor Development	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
BIOL	232	Hum. Anat. and Physio. II	3
BIOL	234	Hum. Anat. and Physio. II Lab.	1
EXSC	355	Exercise Test. & Prescrip.	3
EXSC	365	Cont. Issues in Exercise Sci	3
EXSC	369	Research Methods	3
EXSC	469	Practicum in Exercise Sci.	3
		Semester Total	**16**

SENIOR YEAR

FALL SEMESTER			HOURS
BIOL	326	Cell Biology **and**	
BIOL	327	Cell Biology Lab **or**	
BIOL	301	Microbiology **and**	
BIOL	303	Microbiology Lab **or**	
BIOL	420	Animal Histology **and**	3
BIOL	421	Animal Histology Lab	1
BUAD	304	Small Busin. Mgt. Entre.	3
ENGL	305	Technical Writing	3
EXSC	431	Lead. & Org. in EXSC	3
EXSC	382	Socio-Cultural Analysis	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
		Elective	3
EXSC	360	Exercise and Sport Nutrition	3
EXSC	490	Internship in Exercise Sci	6
		Semester Total	**12**

Total Credits Required 127

GENERAL STUDIES CONCENTRATION
IN EXERCISE SCIENCE
Required and Recommended Course Sequence

The Bachelor's of General Studies in the Exercise Science Degree Program is to provide opportunities for diverse students who satisfy the professional needs of an in-depth study of the impact of exercise and sport on the mental and physiological development of human beings.

The goal of the Bachelor's of General Studies in the Exercise Science Degree Program is to provide students with a variety of opportunities in Exercise that will enable them to function successfully in a global society by acquiring competencies and skills that will enhance their career plans and professional development in Exercise Science.

The objectives of the General Studies Degree program with a concentration in Exercise Science are to:

- Build a foundation for students to explore further study in exercise and sport;
- Afford greater access to a baccalaureate degree for the non-traditional students;
- Provide students with an avenue for self-fulfillment that comes with an academic degree;
- Prepare students to enter graduate and professional schools.

I. General Education Requirements
TOTAL REQUIRED FOR GENRERAL EDUCATION – 39 Credits
Students should consult their freshman or departmental advisor when making course selections.

A. Curriculum Area I – (Arts and Humanities) **9 Credits**

	Credits
Students must select ENGL 203 plus two additional courses	3
ARTS 101 or MUSI 101	3
HIST 201 or Higher	3

B. Curriculum Area II – (Social and Behavioral Sciences) **6 credits**

Students must select one course in each of two disciplines	Credits
SOCIAL SCIENCES: SOCI 101	3
BEHAVIORAL SCIENCES: PSYC 200	3

C. Curriculum Area III – (Biological and Physical Sciences) **8 credits**

Course	No.	Title	Credits
BIOL	111	Principles of Biology I **and**	3
BIOL	113	Principles of Biology I Lab **and**	1
BIOL	112	Prin. of Biology II **and**	3
BIOL	114	Prin. of Biology II Lab	1

OR

CHEM	111	Principles of Chemistry I **and**	3
CHEM	113	Principles of Chemistry I Lab **and**	1
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1

#Students who have not completed High School Chemistry **must** enroll in CHEM 101 and CHEM 103.

D. Curriculum Area IV – (Mathematics) **3 credits**

Course	No.	Title	Credits
MATH	109	College Algebra **or**	
MATH	110	Trigonometry and Analytic Geometry	3

E. Curriculum Area V – (English Composition) **9 Credits**

Course	No.	Title	Credits
ENGL	101/HW	Basic Composition I	3
ENGL	102/H/W	Basic Composition II	3
ENGL	305/H/W	Technical Writing (Honors) **or**	
ENGL	310/W	Advanced Composition	3

F. Curriculum Area VI – (Emerging Issues) **4 Credits**

Course	No.	Title	Credits
EDHE	111	Personalized Health Fitness	3
GNST	100	First Year Experience	1

II. Program Core Requirements **51 Credits**

Course	No.	Title	Credits
EXSC	200	Introduction to Exercise Science	3
EXSC	251	Stress Management	3
EXSC	301	Tests and Measurement in Exercise Science	3
EXSC	302	Prevention and Care of Athletic Injury	3
EXSC	311	Kinesiology **and**	3
EXSC	312	Kinesiology Lab	1
EXSC	331	Drug Use and Health	3
EXSC	332	Exercise Physiology **and**	3
EXSC	333	Exercise Physiology Lab	1
EXSC	341	First Aid & CPR	1
EXSC	352	Psychology of Sports	3
EXSC	355	Exercise Testing and Prescription	3
EXSC	360	Nutrition for Exercise Science	3
EXSC	363	Motor Development	3
EXSC	369	Research Methods in Exercise Science	3
EXSC	382	Socio-Cultural Analysis of Sports and Exercise	3
EXSC	411	Adapted Methods in Exercise Science	3
EXSC	433	Organization and Administration	3
EXSC	469	Practicum in Exercise Science	3

III. Supportive Core Requirements ***25 Credits**

***Choose a minimum of 25 credits from the courses listed below.**

Course	No.	Title	Credits
BIOL	231	Human Anatomy and Physiology I **and**	3
BIOL	233	Human Anatomy and Physiology I Lab	1
BIOL	232	Human Anatomy & Physiology II **and**	3
BIOL	234	Human Anatomy and Physiology II Lab	1
BUAD	213	Business Software Applications	3
BUED	212	Computer Concepts/Applications I	3

Course	No.	Title	Credits
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1
CHEM	211	Fundamentals of Organic Chemistry I **and**	3
CHEM	213	Fundamentals of Organic Chemistry I Lab	1
CHEM	212	Fundamentals of Organic Chemistry II **and**	3
CHEM	214	Fundamentals of Organic Chemistry II Lab	1
EXSC	365	Physical Wellness for Older Adults	3
EXSC	455	Sports Facility Management	3
PHYS	101	Theories and Applications of Physical Science **and**	3
PHYS	103	Theories and Applications of Physical Science Lab	1

IV. <u>Professional Internship</u> **6 Credits**

Course	No.	Title	Credits
EXSC	490	Internship in Exercise Science	6

V. <u>Electives</u>

GENERAL STUDIES
CONCENTRATION IN EXERCISE SCIENCE
Required and Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab.	1
ENGL	101	Basic Composition I	3
		GER. CURR. AREA I: ART	
		or MUSI	3
EXSC	200	Intro. To Exercise Science	3
GNST	100	First Year Experience	1
MATH	109	College Algebra	
MATH	110	Trig & Analy. Geome.	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
EDHE	111	Personalized Health Fitness	3
ENGL	102	Basic Composition II	3
CHEM	111	Prin. of Chemistry I	3
CHEM	114	Prin. of Chemistry I Lab	1
PHYS	101	Theor. & Aps. of Phys. Sci.	3
PHYS	103	Theor. & Aps of Phys. Sci. I Lab	1
PSYC	200	Intro. to Psychology	3
		Semester Total	**17**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
BIOL	231	Human Anat. and Physiology I	3
BIOL	233	Human Anat. and Physio. I Lab.	1
ENGL	203	Funds. of Contemp. Speech	3
EXSC	251	Stress Management	3
EXSC	301	Tests and Measurements	3
HIST	102	Hist. of World Civ. II **or** Higher	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
BIOL	232	Human Anat. and Physio. II	3
BIOL	234	Human Anat. and Physio. II Lab.	1
BUED	212	Computer Concepts/Aps. I	3
EXSC	302	Prev. & Care of Athlet. Injury	3
EXSC	360	Nutrition for Exercise Sci.	3
SOCI	101	Intro. to Sociology	3
		Semester Total	**16**

JUNIOR YEAR

FALL SEMESTER			HOURS
BUAD	213	Business Software Applications	3
EXSC	311	Kinesiology	3
EXSC	312	Kinesiology Lab	1
EXSC	341	First Aid and CPR	1
EXSC	352	Psychology of Sports	3
EXSC	363	Motor Development	3
		Semester Total	**14**

SPRING SEMESTER			HOURS
EXSC	332	Physiology of Muscular Activ.	3
EXSC	333	Physio. of Muscular Activ. Lab	1
EXSC	362	Init. Pract. In Prof. Exp. I	4
EXSC	365	Phys. Wellness for Older Adults	3
		Free Elective	3
		Semester Total	**14**

SENIOR YEAR

FALL SEMESTER			HOURS
ENGL	305/W	Technical Writing	3
EXSC	382	Soc-Cult. Anal. of Sport and Ex.	3
EXSC	433	Org. and Admin. of EXSC	3
		Free Elective	3
EXSC	471	Adv. Practicum Exp. II	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
BUAD	132	Intro to Business	3
EXSC	369	Research Methods in EXSC	3
EXSC	471	Adv. Practicum. Exp. II	3
EXSC	472	Adv. Practicum Exp. III	4
		FREE Elective	3
		Semester Total	**13**

Total Credits Required 120

COURSE DESCRIPTION

HEALTH

EDHE 101 Personal and Community Hygiene 2 crs.
Provision of knowledge and development of a healthy mental attitude and habits needed to improve and maintain good health. Emphasis on health fads, frauds, nutrition, disease prevention, safety, drug use and abuse, and preparation for family living.

EDHE 104 Women's Health 2 crs.
This course is designed to help students understand the changes that have occurred historically in society's attitudes toward women and to gain a deeper understanding of their anatomy and physiology. The course helps the student to develop an awareness and become more knowledgeable regarding diseases and health problems that affect women specifically, and learning how to prevent these diseases.

EDHE 107 Human Sexuality 2 crs.
The aim of human sexuality is to provide students with an overview of the many biological, psychological, sociological, and historical dimensions of sexuality in a nonjudgmental tone. The main emphasis will be helping students make responsible decisions that promote healthy sexual behaviors and well-being.

EDHE 111 Personalized Health Fitness 3 crs.
Study and practice of principles that affect human health. Emphasis on physical fitness, stress management, nutrition, and weight control with specific personalized techniques for optimizing health. **Course can only be taken once for credit.** Satisfies General Curriculum Area VI.

EDHE 111A: Weight Training 3 crs.
EDHE 111B: Walking/Jogging 3 crs.
EDHE 111C: Aerobics 3 crs.
EDHE 111D: Swimming 3 crs.

EDHE 331 Health Education Methods 3 crs.
This course is designed primarily to acquaint the students with the health teacher's individual role in the school health program. To understand and identify a health program and ways to meet the special needs of students.

PHYSICAL EDUCATION

EDPE 103 Techniques of Self-Defense/Karate. 1 cr.
This course gives students a comprehensive exposure to the fundamental techniques and procedures necessary for competently performing martial arts skills; this exposure includes students' demonstration of physical, mental and psychological skills which are inherent components of martial arts.

EDPE 105 Slimnastics 1 cr.
The purpose of this course is to help students develop their bodies physically, with special emphasis on posture, figure alignment, body mechanics, diet, and weight control through exercise.

EDPE 121 Elementary Swimming 1 cr.
This course teaches the basic skills of swimming, including adjustment to the water, buoyancy, floating, propulsion through the water involving coordination of arms and legs in stroking, combined with breathing and safety.

EDPE 122 Racquet Sports 1 cr.
This course is designed to provide students with excellent opportunities to learn about and to develop physical, mental, social, and psychological proficiency associated with racquet sports skills for life-long participation and enjoyment.

EDPE 151 Golf 1 cr.
This course is designed to provide students with the skills, rules, techniques and terminology of golf.

EDPE 163 Techniques and Principles of Weight Training 1 cr.
This course provides students with the advanced application and importance of understanding the kinesiological principles to muscular development with emphasis on anatomy nutrition.

EDPE 211 Dance I 1 cr.
This courses involve movement skills and basic Modern Dance techniques for the development of strength, flexibility, poise, rhythm, communication of ideas and feeling through dance.

EDPE 322 Techniques of Gym/Stunts/ Elementary Apparatus 1 cr.
This course provides students with basic knowledge, techniques, and practices of fundamental skills of gymnastics, simple stunts, tumbling, static balance stunts, spatial relationships and perception or awareness. Students will be provided opportunities to develop skills associated with the parallel bar, vaulting box, high bar, horse, floor exercise, uneven bars, and trampoline.

EXERCISE SCIENCE

EXSC 200 Introduction to Exercise Science 3 crs.
An overview of the field of Exercise Science; it's development, professional activities and sub-disciplines.

EXSC 222 Intermediate Swimming 1 cr.
This course is a continuation of techniques of elementary swimming with emphasis on the development of skills in the basic or standard swimming strokes.

EXSC 251 Stress Management 3 crs.
Teaching basic methods of dealing with stress reactions by one of many different methods ranging from action steps in problem solving to reframing interpretation of events and circumstances.

EXSC 301 Tests and Measurements in Exercise Science 3 crs.
Use and interpretation of basic statistical techniques in the application of Exercise Science. Including measures of central tendency, variability, graphic representation, large sample, error theory and simple correlation analysis as applied particularly in evaluation of test material.

EXSC 302 Prevention and Care of Athletic Injury 3 crs.
An integrated interpretation of the principals of Anatomy, Physiology and Kinesiology as related to the prevention and care of athletic injuries. Students will receive laboratory experiences in emergency treatment of athletic injuries, taping, strapping, and other supportive equipment designed to prevent or minimize injuries peculiar to athletes. Prerequisites: BIOL232 and EXSC311.

EXSC 311 Kinesiology 3 crs.
Gross anatomy of skeletal and muscular systems. Analysis and study of human movement with special reference to anatomical principals underlying human movement. Three hour s lecturer and two hours laboratory per week. Prerequisites: BIOL 231 and 232.

EXSC 312 Kinesiology Lab 1 cr.
This course is the laboratory component of EXSC 311.

EXSC 331 Drug Use and Health 3 crs.
This course presents the study of the drug cultures and its impact on the global society. Analysis of the ingestion of mega doses of performance enhancing substances. A review of the identification of the factors that contribute to abuse and the increased use of alternative medicines by clients on Health.

EXSC332 Exercise Physiology 3 crs.
A comprehensive study of the extent and nature of body variations as a result of physical exertion. The student will receive laboratory experience dealing with the oxidation processes of the body in terms of the utilization of proteins, carbohydrates and fats. Three hours and two hours laboratory per week . Prerequisites Biology 332.

EXSC 333 Exercise Physiology Lab 1 cr.
This course is the laboratory component of EXSC 332.

EXSC 341 First Aid & CPR 1 cr.
Basic Principals of spontaneous and temporary care given to victims of accidents or sudden illness as prescribed by the Am. Red Cross.

EXSC 352 Exercise and Sport Psychology 3 crs.
An in-depth study, comparison and analysis of human behavior while participating in sport and physical activity.

EXSC 355 Exercise Testing and Prescription 3 crs.
This course addresses the necessity of correctly employing principles of long-term and short-term adaptations to anaerobic and aerobic exercise training. Students will gain competence in applying rehabilitation treatment for sport related injuries. Prerequisite: Ex Sc 311.

EXSC 360 Exercise and Sport Nutrition 3 crs.
This course provides students with a key to understanding interactions between nutrition and exercise concepts a well as practical applications.

EXSC 362 Initial Practicum in Professional Experiences #1 4 crs.
This course is designed to provide General Studies students with the opportunity to experience hands-on professional situations that require them to utilize necessary athletic training principles as they work to optimize athletes' achievements as they participate in athletic activities. Students will be provided opportunities to continue to gain knowledge and comprehension of the purpose and utility of this knowledge base as hey begin to engage in independent professional experiences assisting athletes and teams during the various athletic seasons. Prerequisite: General Studies Majors Only.

EXSC 363 Motor Development 3 crs.
An introduction to the principles and concepts of Motor Learning and Motor performance. Methodology, individuals differences, control of movement, motivation and timing are major topics to be discussed.

EXSC 365 Contemporary Issues in Exercise Science and Sports 3 crs.
Students will have opportunities to investigate and learn first-hand information about developing issues in Exercise Science. Some of the issues are: youth fitness, geriatric fitness, youth sports, sport for the aged, resistance training for prepubescent athletes, demographics of aging and physiology of aging.

EXSC 369 Research Methods in Exercise Science 3 crs.
Surveys the scope of literature and sources of knowledge in exercise and sport science. Measurement, evaluation, and research methods applied to selective problems of professional practice.

EXSC 382 Socio-Cultural Analysis of Sports and Exercise Science 3 crs.
Analyses of sports and exercise in social -cultural contexts. Topics include professional sports, intercollegiate sports, youth sports, violence in sports, gender & sports, ethnicity and sports, and media and sports.

EXSC 411 Adapted Methods in Exercise Science 3 crs.
The application of bio-medical and physiological principles in the development of exceptional persons. To assist professionals with dealing effectively with a typical client in community facilities.

EXSC 433 Organization and Administration of Exercise Science 3 crs.
A thorough investigation of administrative theories and procedures in terms of establishing and maintaining exercise science programs; curriculum construction, community relations, staff and other professional personnel, budget planning and policy.

EXSC 455 Sports Facility Management 3 crs.
An in-depth study of Allied Health Facilities design and management. Practical experiences in operational procedures marketing analyst budgeting and public safety issues will be discussed.

EXSC 469 Practicum in Exercise Science 3 crs.
Students will receive practical, hands-on experiences at a professional work site utilizing exercise science principles.

EXSC 471 Practicum in Professional Experiences #2 4 crs.
This course is designed to provide students with increased opportunity to engage in direct professional experiences whereby they will have to employ the scientific knowledge base to assist athletes and teams to prevent athletic injuries and to minimize the effects of sustained athletic injuries. Instructor will endeavor to identify areas of students' weaknesses and provide the appropriate academic experiences to adequately address problematic knowledge areas in athletic injury prevention and athletic injury rehabilitation. Prerequisite: General Studies Majors Only.

EXSC 472 Advanced Practicum in Professional Experiences #3 4 crs.
This course provides students with opportunities to independently work with athletes and athletic teams in an effort to prevent athletic injuries and to provide a professional rehabilitative approach to injured athletes attempting to totally recover from athletic injuries. The instructor will insure that students-faculty conferences are complete on a regular basic throughout the semester.

EXSC 490 Internship in Exercise Science 6 crs.
A structured off- campus learning experiences designed to provide senior students with a terminal professional experience that permits first-hand, direct practical and professional experiences in Exercise Science. Prerequisite: Graduating senior.

EXSC 499 Independent Study in Ex Sc 3-6 crs.
This course will provide senior students with opportunities to engage in in–depth-study of any professional area or related areas germane to Exercise Science. Prerequisite: Senior academic standing.

RECREATION

RECR 211 Introduction to Recreation Ed 3 crs.
Historical and philosophical study of recreation relative to organization and administration of recreational programs and facilities. This educational experience is designed to investigate recreational needs of the contemporary increase in leisure time, special interests, and needs of all individuals**.**

RECR 212 Basic Methods in Camping and Outdoor Recreation 3 crs.
This course is designed to provide theoretical and practical experiences in basic methods and philosophical thoughts in contemporary camping and outdoor recreation. Students must participate in at least two overnight camping experiences.

RECR 412 Leadership in Community Recreation 3 crs.
An analysis of the historical, philosophical concepts and professional principles involved in the organization and administration of community based recreational activities. Prerequisite: RECR 211.

RECR 413 Therapeutic Recreation 3 crs.
An investigation of the physical, psychological, and sociological deficiencies and illnesses as they impact upon various recreational skills, activities, and programs. Methods currently recommended for the implementation of these programs will be studied.

DEPARTMENT OF PHYSICIAN ASSISTANT

Acting Dean:
Raymond Blakely, Ph.D.

Chair and Clinical Assistant Professor:
Darlene L. J. Robinson, MPAS, PA-C

Medical Director:
Christjon Huddleston, M.D.

Clinical Coordinator and Lecturer:
Carol V. Blake, BS, PA-C

Academic Coordinator and Clinical Assistant Professor:
Peter M. Stanford, MPH, PA-C

MISSION

The Physician Assistant Department is a baccalaureate degree granting educational program of the University of Maryland Eastern Shore. The program promotes health and wellness through the provision of quality primary care health education in a diverse environment that values the discovery of knowledge and the development, dissemination, and practical application of that knowledge through community outreach and service. The department aims to select and prepare diverse students through instruction, research, and service with the professional and technical knowledge, skills and values to serve and excel as compassionate health care providers in local, state, national and global environments.

GOALS

The Physician Assistant Department seeks

- to prepare well-educated, baccalaureate-prepared mid-level health professionals for a challenging career as a Physician Assistant;
- to develop culturally competent health care providers to contribute to the promotion of quality health and well being in diverse environments.
- to offer a dynamic curriculum adaptive to changes in the health care environment.

OBJECTIVES

The Physician Assistant Department will

- offer a didactic and clinical curriculum to educate physician assistant students to perform evaluative, diagnostic, therapeutic, preventive, and health maintenance services to diverse communities and populations;
- prepare graduates to provide compassionate quality health care with the direction and responsible supervision of a Doctor of Medicine or Osteopathy;
- prepare students to analyze and critically interpret information and to formulate appropriate clinical decisions;
- expose students to the breadth and depth of academic knowledge and experiences necessary to achieve the mastery of skills and techniques as a physician assistant;
- develop and support a cadre of competent faculty, staff, students and alumni dedicated to excellence in scholarly productivity, research, and community service that will provide solutions to the challenging health care issues which impact local, national and international communities.

PROGRAM REQUIREMENTS

The Physician Assistant Department requires that all students maintain a "C" in each didactic course, a “B” in each clinical course, and a 2.5 GPA in the program core, program electives, general education and supportive course requirements. Students entering the professional program are required to meet physical, mental and social technical standards necessary to become a competent physician assistant.

DESCRIPTION OF PROGRAM

The Physician Assistant Department offers a Bachelor of Science Degree (B.S.) in Physician Assistant studies. The Physician Assistant Program constitutes the professional preparation for students desiring to become physician assistants. Graduates of the program will be prepared to deliver primary health care services to diverse patient populations with acute to chronic medical and surgical conditions in both rural and urban communities. The four-year course of study is comprised of a two-year Pre-Professional Phase and a 24-month Professional Phase. Upon successful completion of the prerequisite courses in the Pre-Professional Phase, students will be qualified to apply for entry into the Professional Phase. Entry into the Professional Program is competitive and not guaranteed.

UMES students receive preferential acceptance into the Professional Program.

Upon graduation, physician assistants are eligible to take a national certification examination developed by the National Commission on Certification of Physician Assistants (NCCPA) in conjunction with the National Board of Medical Examiners.

The UMES Physician Assistant Department is fully accredited through the Accreditation Review Committee on Education for the Physician Assistant, Inc., (ARC-PA).

ALTERNATIVE CREDITS

Beginning Fall 2005, all students who enroll in degree programs will be required to complete 12 alternative credits before graduating. Alternative credits can be earned by completing internships, summer and winter session courses, on-line courses, and courses completed while studying abroad.

PHYSICIAN ASSISTANT
Required and Recommended Courses

General Education Requirements
TOTAL REQUIRED FOR GENERAL EDUCATION – 43 Credits
Students should consult with the Physician Assistant Departmental before making course selections.
A grade of "C" or better is required for all Curriculum Areas and Supportive Core Requirements.

A. Curriculum Area I – (Arts and Humanities) 9 credits

Students must select ENGL 203 plus two additional courses:

ARTS:	ARTS 101, ARTS 310 MUSI 100, MUSI 101, MUSI 109, MUSI 310H
HISTORY:	HIST 201, HIST 202, HIST 333, HIST 334, HIST 341 HIST 360
LANGUAGES:	FREN 101 **and** FREN 102, SPAN 101, **and** SPAN 102
LITERATURE:	ENGL 204, ENGL 205, ENGL 206, ENGL 207, ENGL 215, ENGL 218, ENGL 327, ENGL 328, ENGL 329, ENGL 401

B. Curriculum Area II – (Social and Behavioral Sciences) 6 credits

Course	**No.**	**Title**	**Credits**
SOCI	101	Introduction to Sociology	3
PSYC	200	Introduction to Psychology I	3

C. Curriculum Area III – (Biological and Physical Science) 12 credits

Course	**No.**	**Title**	**Credits**
BIOL	111	Principles of Biology I.,	3
BIOL	113	Principles of Biology I Lab. ***Or,***	1
BIOL	*188A*	*Biology for Allied Health*	*3*
BIOL	188	Biology for Allied Health Lab	*1*
CHEM	111	Principles of Chemistry I	3
CHEM	113	Principles of Chemistry I Lab.	1
CHEM	112	Principles of Chemistry II	3
CHEM	114	Principles of Chemistry II Lab.	1

D. Curriculum Area IV - (Mathematics) 3 credits

Course	**No.**	**Title**	**Credits**
MATH	110	Trigonometry and Analytical Geometry *or Higher*	3

E. Curriculum Area V – (English Composition) 9 credits

Course	**No.**	**Title**	**Credits**
ENGL	101	Basic Composition I	3
ENGL	102	Basic Composition II	3
ENGL	305/H	Technical Writing/Honors ***or***	3
ENGL	*310*	*Advanced Composition*	*3*

F. Curriculum Area VI – (Emerging Issues) 4 credits

Course	**No.**	**Title**	**Credits**
EDHE	111	Personalized Health Fitness	3
GNST	100	First-Year Experience	1

I. Major Core Courses 83 Credits
A grade of "C or better is required in each of the program core requirements in the didactic phase. A grade of "B" or better is required for clinical year courses (PHAS 400-418).

Courses	No.	Title	Credits
PHAS	200	Introduction to Physician Assistant	1
PHAS	201W	Medical Terminology (Web CT)	1
PHAS	300	Advanced Anatomy	3
PHAS	301	Advanced Physiology	3
PHAS	302	Clinical Chemistry	3
PHAS	303	Clinical Laboratory Procedures	2
PHAS	304	Clinical Medicine I	3
PHAS	305	Clinical Medicine II	3
PHAS	306	Clinical Medicine III	3
PHAS	307	Clinical Medicine IV	3
PHAS	308	Community Health and Epidemiology	2
PHAS	309	Health Care Ethics and Law	2
PHAS	310	Nutrition	2
PHAS	311	Pathophysiology	3
PHAS	312	Pharmacology I	3
PHAS	313	Pharmacology II	3
PHAS	314	Physical Assistant Role and Responsibilities	1
PHAS	315	Physical Diagnosis I	2
PHAS	316	Physical Diagnosis II	2
PHAS	317	Physical Diagnosis III	3
PHAS	400	Internal Medicine Clerkship	4
PHAS	401	Pediatric and Adolescent Medicine Clerkship	4
PHAS	402	Surgery Clerkship	4
PHAS	403	Clinical Transition I	1
PHAS	404	Clinical Transition II	1
PHAS	405	Clinical Transition III	1
PHAS	406	Psychiatry Clerkship	4
PHAS	407	Emergency Medicine Clerkship	4
PHAS	408	Obstetrics and Gynecology Clerkship	4
PHAS	409	Family Practice I Clerkship	4
PHAS	410	Family Practice II Clerkship	4

III. Supportive Core Requirements **22 Credits**

Course	No.	Title	Credits
BIOL	231	Introductory Anatomy and Physiology I	3
BIOL	232	Introductory Anatomy and Physiology II	3
BIOL	233	Introductory Anatomy and Physiology I Lab.	1
BIOL	234	Introductory Anatomy and Physiology II Lab.	1
BIOL	301	Microbiology	3
BIOL	303	Microbiology Lab.	1
BUED	212	Computer Concepts	3
CHEM	211	Fundamentals of Organic Chemistry I	3
CHEM	213	Fundamentals of Organic Chemistry I Lab.	1
MATH	210	Elementary Statistics	3

IV. Program Electives (Choose any course from the following Electives): **4 Credits**

Course	No.	Title	Credits
PHAS	411	Gastroenterology Subspecialty Clerkship	4
PHAS	412	Rehabilitation Medicine Subspecialty Clerkship	4
PHAS	413	Geriatric Subspecialty Clerkship	4
PHAS	415	Otolaryngology Subspecialty Clerkship	4
PHAS	416	Dermatology Subspecialty Clerkship	4

Course	No.	Title	Credits
PHAS	417	Neurology Subspecialty Clerkship	4
PHAS	418	Radiology Subspecialty Clerkship	4
		TOTAL PROGRAM REQUIREMENTS	**152**

DEPARTMENT OF PHYSICIAN ASSISTANT
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab.	1
BUED	212	Computer Concepts	3
CHEM	111	Principles of Chemistry I	3
CHEM	113	Principles of Chemistry I Lab.	1
ENGL	101	Basic Composition I	3
GNST	100	First Year Experience	1
MATH	110	Trig. & Analytical Geo. **or** Higher	3
		Semester Total	**18**

SPRING SEMESTER			HOURS
		GER. CURR. AREA I	3
BIOL	301	Microbiology	3
BIOL	303	Microbiology Laboratory	1
CHEM	112	Principles of Chemistry II	3
CHEM	114	Principles of Chemistry II Lab.	1
EDHE	111	Personalized Health Fitness	3
ENGL	102	Basic Composition II	3
		Semester Total	**17**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
		GER. CURR. AREA I	3
BIOL	231	Human Anatomy and Phys. I	3
BIOL	233	Human Anatomy and Physi. I Lab.	1
CHEM	211	Fund. of Organic Chemistry I	3
CHEM	213	Fund. of Organic Chemistry I Lab.	1
ENGL	305/H	Technical Writing **or**	
ENGL	310	Advanced Composition	3
SOCI	101	Introduction to Sociology	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
BIOL	232	Human Anatomy & Physi. II	3
BIOL	234	Human Anatomy and Physi. II Lab.	1
ENGL	203	Fund. of Contemporary Speech	3
MATH	210	Elementary Statistics	3
PHAS	201	Medical Terminology	1
PHAS	302	Clinical Chemistry	3
PSYC	200	Introduction to Psychology	3
		Semester Total	**17**

JUNIOR YEAR

FALL SEMESTER			HOURS
PHAS	200	Intro. to Physician Assistant	1
PHAS	300	Advanced Anatomy	3
PHAS	301	Advanced Physiology	3
PHAS	311	Pathophysiology	3
PHAS	312	Pharmacology I	3
PHAS	315	Physical Diagnosis I	2
		Semester Total	**15**

SPRING SEMESTER			HOURS
PHAS	303	Clinical Laboratory Procedures	2
PHAS	304	Clinical Medicine I	3
PHAS	305	Clinical Medicine II	3
PHAS	308	Community Health & Epidemiology	2
PHAS	313	Pharmacology II	3
PHAS	316	Physical Diagnosis II	2
		Semester Total	**15**

FALL SEMESTER			HOURS
PHAS	306	Clinical Medicine III	3
PHAS	307	Clinical Medicine IV	3
PHAS	309	Health Ethics & Law	2
PHAS	310	Nutrition	2
PHAS	314	Physician Assistant Role	1
PHAS	317	Physical Diagnosis III	3
		Semester Total	**14**

SENIOR YEAR

SPRING SEMESTER			HOURS
PHAS	400	Internal Medicine Clerkship	4
PHAS	401	Pediatric & Adoles. Med. Clerkship	4
PHAS	402	Surgery Clerkship	4
PHAS	403	Clinical Transition I	1
		Semester Total	**13**

SUMMER SESSION			HOURS
PHAS	404	Clinical Transition II	1
PHAS	406	Psychiatry Clerkship	4
PHAS	407	Emergency Medicine Clerkship	4
PHAS	408	Obstetrics and Gynecology Clerkship	4
		Semester Total	**13**

FALL SESSION			HOURS
PHAS	405	Clinical Transition III	1
PHAS	409	Family Practice I Clerkship	4
PHAS	410	Family Practice II Clerkship	4
PHAS	411-18	Elective Clerkship (see list)	4
		Semester Total	**13**

ELECTIVE SUB-SPECIALTY CLERKSHIPS			
PHAS	411	Gastroenterology (4)	
PHAS	412	Rehabilitation Medicine (4)	
PHAS	413	Geriatrics (4)	
PHAS	414	Orthopedics (4)	
PHAS	415	Otolaryngology (4)	
PHAS	416	Dermatology (4)	
PHAS	417	Neurology (4)	
PHAS	418	Radiology (4)	
		Total Credits Required	**152**

Clerkships may occur in any order; Elective sub-specialty clerkship to be chosen by student with assistance and approval of the department. Each clerkship is for four (4) semester hours for five (5) weeks.

COURSE DESCRIPTIONS

PHYSICIAN ASSISTANT

PHAS 200 Introduction to Physician Assistant 1 cr.
This course focuses on the history, present practices, and future trends of the profession.

PHAS 201/Medical Terminology/WEB 1 cr.
This course is designed in a web-based programmed format to introduce the learner to a systematic approach to mastering medical and scientific vocabulary.

PHAS 300 Advanced Anatomy 3 crs.
This course is an in-depth study of the structure of the entire human body, utilizing lectures, cadaver dissection, and clinical correlation for the medical practitioner. Prerequisite: Departmental consent and/or admission to Professional Program.

PHAS 301 Physiology 3 crs.
This course involves the examination of the mechanisms involved in control of body functions. The basic chemical and physical principles of human function are discussed. Prerequisite: Departmental consent and/or admission to Professional Program.

PHAS 302 Clinical Chemistry 3 crs.
This course examines the chemical and molecular control and reactions in the human body. Clinical correlations of various biochemical parameters measured in body fluids under a variety of abnormal conditions are considered. Prerequisite: Departmental consent and/or admission to Professional Program.

PHAS 303 Clinical Laboratory Procedures 2 crs.
This course applies scientific Laboratory methods to diagnostic and therapeutic problems of clinical medicine; it focuses on the enhancement of diagnostic accuracy, as well as how to monitor a patient's response to therapy and order Lab. tests in a timely, appropriate, and cost effective manner. Prerequisite: Departmental consent and/or admission to Professional Program.

PHAS 304 Clinical Medicine I 3 crs.
This course provides a systematic analysis of major diseases encountered in primary care medicine by utilizing an organ systems approach. Emphasis on etiology, Pathophysiology, presentation, diagnosis, management, and prevention of diseases is provided. Prerequisites: Successful completion of PHAS 300 and PHAS 301, Departmental consent and/or admission to Professional Program.

PHAS 305 Clinical Medicine II 3 crs.
This course is a continuation of Clinical Medicine I. Prerequisites: Successful completion of PHAS 300 and PHAS 301, Departmental consent and/or admission to Professional Program.

PHAS 306 Clinical Medicine III 3 crs.
This course addresses the etiology, presentation, diagnosis, and management of diseases most prevalent in Pediatrics, Obstetrics and Gynecology, and Geriatric subspecialties. Prerequisites: Successful completion of PHAS 304 and PHAS 305, Departmental consent and/or admission to Professional Program.

PHAS 307 Clinical Medicine IV 3 crs.
This course addresses the etiology, presentation, diagnosis, and management of diseases most prevalent in surgery, emergency medicine, and psychiatry. Prerequisite: Successful completion of PHAS 306, Departmental consent, and/or admission to Professional Program.

PHAS 308 Community Health & Epidemiology 2 crs.
This course will review epidemiological factors affecting health maintenance and development of programs of disease prevention, intervention, and health promotion.

PHAS 309/W Health Care Ethics & Law/WEB 2 crs.
This course provides a focused review of current philosophies, policies, and ethical issues in contemporary health care targeted at the Physician Assistant profession.

PHAS 310 Nutrition 2 crs.
This course explores the process of nutritional assessment and intervention for healthy living and maintenance.

PHAS 311 Pathophysiology 3 crs.
This course analyzes the abnormal human structure or function responsible for various disease processes. It is concerned with the etiology, clinical manifestation, and progress of human disease.

PHAS 312 Pharmacology I 3 crs.
This course explores the general principles of pharmacology, including pharmacokinetics and pharmacodynamics, classes of therapeutic agents, mechanisms of action, proper routes of administration, common side effects, and drug interactions and contraindications. Prerequisite: Departmental consent and/or admission to Professional Phase.

PHAS 313 Pharmacology II 3 crs.
This course is a continuation of Pharmacology I. Prerequisites: Successful completion of PHAS 312, Departmental consent, and/or admission to Professional Phase.

PHAS 314 Physician Assistant Role 1 cr.
This course entails discussions of issues relevant to the Physician Assistant practice. Concepts relevant to the Physician Assistant Role are explored.

PHAS 315 Physical Diagnosis I 2 crs.
This course teaches the student how to elicit and perform a comprehensive history and physical examination, as well as how to properly document and present findings. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 316 Physical Diagnosis II 2 crs.
This course will teach the student how to perform a history and physical examination directed toward specific age groups throughout the life cycle. The differentiation of abnormal physical findings will be explored on an organ systems approach. The development of differential diagnoses and management plans will be performed. Prerequisites: Successful completion of PHAS 315, Departmental consent, and/or admission to the Professional Phase.

PHAS 317 Physical Diagnosis III 3 crs.
This course covers the indications, contraindications, step-by-step procedures, and complications of hands-on clinical skills, which are commonly performed in medical practice, such as phlebotomy, injections, IV therapy, urethral and nasogastric catheterization, pulmonary function testing, suturing, casting and splinting, various ENT procedures, electrocardiogram, and use of various types of monitoring devices. The students will be required to complete an Advanced Cardiac Life Support Course. Prerequisites: Successful completion of PHAS 315 and PHAS 316, Departmental consent, and/or admission to the Professional Phase.

PHAS 400 Internal Medicine Clerkship 4 crs.
This course is a clinical rotation of five weeks in a community based or institutional setting. The student will obtain in depth clinical exposure in the areas of cardiology, pulmonology, gastroenterology, and rheumatology. The student will perform history and physical examinations as appropriate to the medical condition and participate in evaluation, management, and treatment of acute and chronic medical problems. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 401 Pediatric and Adolescent Medicine Clerkship 4 crs.
This course is a five-week clinical rotation that takes place in a physician's office or institutional setting. The students will have clinical exposure to newborn and infant exams, well childcare, anticipatory guidance for parents, routine care of the newborn including feeding, sleeping, bowel habits, and identification of common congenital deformities or malformations. The student will perform history and physical examinations and participate in evaluation, management, and treatment of acute and chronic medical conditions. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 402 Surgery Clerkship 4 crs.
This course is a five-week clinical rotation that takes place in an inpatient and outpatient setting. The student will develop skills and knowledge in performing initial pre-operative as well as post-operative evaluations including post-operative complications. The student will perform an *Assessment of Operative Risk* and be able to compose and record accurate, concise post-operative notes, orders, evaluation, and treatment. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 403 Clinical Transition I 1 cr.
This course enables students to make the transition from the University of Maryland Eastern Shore Physician Assistant Program to the workforce. The following activities are included: National Certification Examination preparation, resume writing, contract negotiations, third party reimbursement, malpractice, licensure, quality assurance, risk management and clinical skills refinement. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 404 Clinical Transition II 1 cr.
This course is a continuation of PHAS 403. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 405 Clinical Transition III 1 cr.
This course is a continuation of PHAS 403 and PHAS 404. Departmental consent and/or admission to the Professional Phase. Prerequisite: PHAS 404.

PHAS 406 Psychiatry Clerkship 4 crs.
This course is a five-week clinical rotation in Psychiatry and related psychopharmacology outpatient setting. The student will perform a psychiatric history, mental status examination, identify and evaluate common psychiatric disorders. The student will have exposure to pharmacologic as well and non-pharmacologic interventions, their indications, contraindications, and relative merit thereof. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 407 Emergency Medicine Clerkship 4 crs.
This course is a five-week clinical rotation in a hospital setting. The student will have exposure to cardiovascular, pulmonary, neurological, psychological/psychiatric, obstetrical, gynecological infectious disease, thermal, allergic, soft tissue, ear, nose and throat, and orthopedic emergencies, amongst many others. The student will perform a history, physical exam, and evaluation of the particular conditions presented. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 408 Obstetrics and Gynecology Clerkship 4 crs.
This course is a five-week clinical rotation that takes place in an outpatient and or inpatient setting. The student will obtain a history and perform an examination appropriate to the female patient. The student will have exposure to techniques employed in a routine physical examination of the female reproductive system, clinical manifestations, diagnosis, and management of common gynecological and obstetric conditions.. The student will employ diagnostic tests and procedures as they are clinically significant in the OB/GYN patient. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 409 Family Practice I Clerkship 4 crs.
This course is a five-week clinical rotation in an outpatient office setting. The student will have overall exposure to common ear, nose and throat, cardiac, respiratory, gastroenterology, hematology, oncology, endocrinology, gynecology, genitourinary, musculoskeletal, dermatology, psychiatry, and neurology disease entities. The student will be called upon to perform routine in office procedures to assist in the evaluation and management of the patient. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 410 Family Practice II Clerkship 4 crs.
This course is a nine-week clinical rotation as a further extension of Family Practice I. This rotation will allow the student to apply expanded skills and knowledge (obtained in Family Practice I) of ambulatory care environment under the direction and supervision of a physician. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 411 Gastroenterology Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation with in-depth study and application of disorders of the esophagus, stomach, liver, gallbladder, pancreas, and colon. The student will be exposed to the clinical manifestations, physical exam finding, diagnostic workup, treatment, complications, and prognoses of various disease entities as they relate to the gastrointestinal system. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 412 Rehabilitation Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student will be exposed to common surgical problems and evaluation of patient injuries, complication of injuries, and the current needs for durable medical equipment such as wheel chairs, crutches, casts, etc. The student will be able to recognize, evaluate, and discuss the most common injuries and assess needs for Occupational, Physical, and Respiratory Therapy and other ancillary allied health personnel. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 413 Geriatric Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in an outpatient, assisted living, or nursing home setting. The student will have clinical exposure to eliciting an appropriate, well-organized medical history and performing an examination related to the elderly and the particular complaint. The student will develop competency in selecting appropriate laboratory and diagnostic procedures with attention to correct sequencing, patient preparation requirements, and risk. The student will be exposed to physiological patterns, psychosocial changes, normal age-related changes, management, complications, and management of disease entities specific to the elderly. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 414 Orthopedics Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student is assigned to an attending, senior resident and or a PA, and will function as a member of his /her Orthopedic or ER trauma team. The student will elicit a thorough and well-organized history from a patient and perform a physical exam relevant to the patient's problem. The student will develop competency in selecting and interpreting appropriate radiographic views required for fractures, other musculoskeletal complaints, and the necessary skills for casting, splinting, and suturing. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 415 Otolaryngology Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student is assigned to an attending physician, resident or team. The student is exposed to history, physical evaluation, and management of hearing loss, ear canal, Eustachian tube, middle and inner ear, nose and Para sinuses, mouth and pharynx and laryngeal disorders. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 416 Dermatology Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student is exposed to evaluating, diagnosing, and managing acute and chronic dermatological conditions. The student utilizes procedures particular to the disease entity. The student is also expected to describe the etiology, presentation, differential diagnosis, complications, and applicable laboratory findings and management of fungal, infectious bacterial, parasitic, allergic, follicular, glandular, circulatory, benign, pre-malignant, malignant, systemic, pigmentary, and pruritic dermatologic entities. Prerequisite: Departmental consent and/or admission to the Professional Phase.

PHAS 417 Neurology Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student develops comprehension of neuroanatomy, with regard to expected physical and neurobehavioral findings and lesion localization. The student is exposed to common, urgent/emergent neurological disorders and develops competency in performing a physical, history, evaluation and management as relative to those entities. Prerequisite: Departmental consent and/or Admission to the Professional Phase.

PHAS 418 Radiology Subspecialty Clerkship 4 crs.
This course is a five-week clinical rotation in which the student develops competency in understanding the varied uses of radiologic examination as a diagnostic tool for patient evaluation. The student will recognize the grossly normal versus abnormal radiologic findings in soft tissue and bony structures. Prerequisite: Departmental consent and/or Admission to the Professional Phase.

PHAS 419 Cardiology Subspecialty Clerkship 4crs
This course is a five-week clinical rotation with in depth study and application of disorders of the heart, valvular, and circulatory systems. The student will be exposed to the clinical manifestations, physical exam findings, diagnostic workup and procedures, treatment, complications and prognoses of various disease entities as they relate to the cardiovascular system. Prerequisite: Departmental consent and Admission to the Professional Phase.

FACULTY

Robinson, Darlene
Chair & Program Director; Clinical Assistant Professor
Masters of Physician Assistant Studies, University of Nebraska
B.S. Howard University
Certificate of Primary Care Physician Assistantship, Howard University

Huddleston, Christjon
Medical Director
Masters of Medicine, University of Maryland
B.A. Stanford University

Stanford, Peter
Academic Coordinator and Clinical Assistant Professor
Masters of Public Health, UNC-Chapel Hill
B.S. Duke University
Physician Assistant Certificate, Duke University
B.A. Antioch College

Blake, Carol
Clinical Coordinator and Lecturer
B.S., Medical Technology Millersville University
Physician Assistant Certificate, Medical University of South Carolina

DEPARTMENT OF REHABILITATION SERVICES

Acting Dean
Raymond Blakely, Ph.D.

Chair and Associate Professor
William Talley, Rh.D., C.R.C.

Associate Professors
Clayton Faubion, Ph.D., C.R.C.
Maryam Rahimi, Ph.D., C.R.C.
Lisa Wilson, Ph.D., C.R.C. ACS

Clinical Coordinator:
Gail Lankford, M.Ed., LCDAC

MISSION

The mission of the undergraduate program in rehabilitation services is to prepare students for entry-level employment in a variety of human services and rehabilitation-related settings, especially those serving individuals with physical, emotional, and developmental disabilities. The program is also designed to prepare its graduates to enter master's level programs in rehabilitation, psychology, physical therapy, related allied health fields, and human services.

GOALS

The goals of the Rehabilitation Services Program are multifaceted:

a. to prepare highly qualified health care professionals for entry-level positions in public and private health care and rehabilitation settings, and

b. to prepare those students desiring to continue their education to enter graduate programs in Rehabilitation, Psychology, Physical Therapy, Occupational Therapy and numerous other allied health and human service programs.

OBJECTIVES

The objectives of the programs offered in Rehabilitation Services are as follows:

- To offer instruction which reflects the philosophy and mission of the National Council on Rehabilitation Education.
- To meet the academic requirements established by the University.
- To meet the professional requirements and standards set by rehabilitation and related professional organizations.
- To provide courses and learning experiences which prepare students for employment in rehabilitation, as well as the allied health and related human service professions.
- To guide students in the development of leadership skills through participation in rehabilitation-related programs and student organizations.
- To provide course offerings and professional programs to the University and the general community.
- To provide an intellectual environment designed to facilitate academic growth and creative development.
- To prepare students for graduate school and continued professional development.

DESCRIPTION OF PROGRAM

While "rehabilitation" is a term used in many fields, for us it means the vocational rehabilitation of individuals who have disabilities and need assistance as they pursue their vocational goals. While our historical and legislative roots are firmly embedded in vocational rehabilitation, the field has greatly expanded. Graduates may go on to provide a variety of services to people with disabilities, including, but not limited to, vocational services.

The Rehabilitation Services Program leads to the Bachelor of Science (B.S.) Degree. This four year course of study prepares students to become rehabilitation professionals, i.e., case managers, and to successfully assume the role of care professionals in hospitals, mental health centers, developmental disability centers, residential chemical dependency treatment centers, etc.

Two distinct tracks are offered: one for those students interested in pursuing careers in the behavioral science orientation of rehabilitation, i.e. psychology, counseling, or vocational employment; the other for students interested in pursuing careers in the allied health fields, i.e. occupational therapy or physical therapy. The department offers a Bachelor of General Studies (BGS) degree with a concentration in rehabilitation.

The student is initially provided with a liberal arts foundation that includes the arts, the humanities, the natural sciences, and the social sciences. Upon this foundation is built a basic understanding of the phychological and psycosocial concerns which affect individuals with disabilities.

The student acquires skills, such as counseling, assessment, and case management. Mastery of these skills and the related knowledge provides the student with the means to assist disabled individuals to lead more productive and satisfying lives. Well planned use of electives and the field work allows for some specialization. A 300 clock hour field work experience (6 credits) is provided under the supervision of field counselors in human service agencies primarily in Maryland. These intensive practical experiences frequently lead to entry level jobs, since the field work is completed during the senior year. Students are encouraged to participate in volunteer activities and courses providing an opportunity for involvement with disabled individuals to augment skills and knowledge gained through the 36 credit hour major core requirements.

Three general, post-baccalaureate possibilities exist, depending on the needs and interests of students:

1. Employment in a wide-range of rehabilitation-related and human services areas, including public rehabilitation services, rehabilitation centers, sheltered workshops, chemical dependency programs, senior citizens centers, community mental health facilities, developmental disability centers, corrections systems, and hospitals. Increasing opportunities are available in private-for-profit/insurance rehabilitation programs for the industrially injured, rapidly developing employee assistance programs within business/industry, case managers, and disability student services in colleges and universities. Students interested in employment opportunities in these areas should consider taking the Behavioral Rehabilitation track.

2. Graduate study in rehabilitation, physical therapy or a variety of allied health professions. Students interested in employment opportunities in the allied health professions should consider taking the Allied Health track.

3. Employment or graduate study in other career areas which emphasize human relations or interpersonal skills.

REHABILITATION SERVICES OPTIONS

Courses in the Rehabilitation Services Program are consistent with the recommendations of the National Council on Rehabilitation Education and the State of Maryland General Education requirements. Students pursuing the career specific options will need to incorporate these into the sequence of classes which are consistent with the concentration requirements as identified for either Chemical Dependency Provisional Certification, American Sign Language Studies, or Allied Health. This blending can result in a total of 129 credit hours. Students not following any of these concentrations can graduate with a minimum of 120 credit hours. However, to increase competitive advantages in the field of rehabilitation and graduate schools, students are advised to select upper level elective classes during the senior year which are consistent with career objectives.

The two tracks have been designed to take into account the prerequisites for most graduate schools. Students interested in attending specific graduate programs should contact those programs and include any additional prerequisites required for admission to those programs into the course sequence as "Electives."

Additional information can be obtained at the department's web site: www.umes.edu/rehab/.

ALTERNATIVE CREDITS

Beginning Fall 2005, all students who enroll in degree programs will be required to complete 12 alternative credits before graduating. Alternative credits can be earned by completing internships, summer and winter session courses, on-line courses, and courses completed while studying abroad.

REHABILITATION SERVICES
Required and Recommended Courses Sequence

I. General Education Requirements

TOTAL REQUIRED FOR GENERAL EDUCATION — 41 Credits Minimum

Students should consult with their freshman or departmental advisor when making course selections.

A. Curriculum Area I – (Arts and Humanities) 9 credits

Students must select ENGL 203 plus two additional courses:

ARTS: ARTS 101, ARTS 310, MUSI 100, MUSI 101, MUSI 109
HISTORY: HIST 201, HIST 202, HIST 333, HIST 334, HIST 341, HIST 360
LANGUAGE: FREN 101, FREN 102, SPAN 101, SPAN 102
LITERATURE: ENGL 204, ENGL 205, ENGL 206, ENGL 207, ENGL 215, ENGL 218, ENGL 328, ENGL 329, ENGL 401

B. Curriculum Area II – (Social and Behavioral Sciences) 9 credits

Students must select one course in each of two disciplines plus an extra in Behavioral Science:

SOCIAL SCIENCES: ECON 201 or ECON 201H, ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342, **SOCI 101* or SOCI 111H***

BEHAVIORAL SCIENCES: CRJS 101, HUEC 203, HUEC 220, HUEC 361, HUEC 380, SOWK 200 or SOWK 200H, **PSYC 200* , SOCI 201***

C. Curriculum Area III – (Biological and Physical Sciences) 7 Credits

Students must select two science courses which must include at least one laboratory:
ANPT 114, BIOL 101, BIOL 103 (lab), **BIOL 111*, BIOL113*(lab)**BIOL 112, BIOL 114 (lab), **CHEM 101*,**CHEM 102, CHEM 103 (lab), CHEM 104 (lab), CHEM 111, CHEM 113 (lab), PHYS 101, PHYS 103 (lab), PHYS 121, PHSY 123 (lab), PHYS 122, PHYS 124 (lab), PHYS 161, PHYS 181H, PHYS 183H (lab), PHYS 182H, PHYS 184H (lab), PHYS 263, PLSC 184,

D. Curriculum Area IV – (Mathematics) 3 credits

One course at or above the level of MATH 102. Students must select one course as required by their major department and/or results of their Mathematics Placement Exam.

Course	No.	Title	Credits
MATH	102	Applications of College Mathematics	3
MATH	110	Trigonometry and Analytic Geometry	3
MATH	111H	Honors Elementary Mathematical Analysis	3
MATH	112	Calculus I 3	
MATH	**109***	College Algebra	3

E. Curriculum Area V – (English Composition) 9 credits

Course	No.	Title	Credits
ENGL	**101***	Basic Composition I or	
ENGL	101H*	Basic Composition I (Honors)	3
ENGL	**102***	Basic Composition II **or**	
ENGL	102H*/W	Basic Composition II	3
ENGL	305/H/W	Technical Writing (Honors) **or**	
ENGL	310/H/W	Advanced Composition (Honors)	3

F. Curriculum Area VI – (Emerging Issues) 4 credits
Courses identified as being essential to a full program of general education for UMES students
GNST 100*, EDHE 111*

***Required for the Rehabilitation Services Program.**
MATH 110 and CHEM 111 are authorized substitutes for MATH 109 and CHEM 101.

II. Program Core Requirements 36 credits
A grade of "C" or better is required in each of the Program Core Requirements

Course	No.	Title	Credits
REHA	201	Introduction to Rehabilitation*	3
REHA	301	Health & Medical Information**	3
REHA	302	Theories of Counseling	3
REHA	303	Case Recording & Case Management	3
REHA	304	Assessment in Rehabilitation	3
REHA	305	Vocational, Development, Counseling & Employment	3
REHA	306	Counseling Skills & Techniques	3
REHA	401	Field Work in Rehabilitation Services I***	6
REHA	402	Rehabilitation of the Developmentally Disabled	3
REHA	403	Rehabilitation of the Psychiatrically Disabled	3
REHA	406	Seminar in Rehabilitation	3

*** REHA 201 is a prerequisite for all other REHA courses.**

**BIOL 231 and BIOL 233 are prerequisites for this course. Students must complete their sophomore year prior to registering for this course.

***Students must complete their junior year and meet with the Clinical Coordinator before applying for this field work. The student is responsible for the cost of liability insurance (through UMES).

OPTIONS

The Rehabilitation Options require a minimum of six (6) hours from the following:

Course	No.	Title	Credits
ASLS	202	Orientation to Deafness	3
ASLS	203	American Sign Language I	3
ASLS	204	American Sign Language II	3
ASLS	307	American Sign Language III	3
ASLS	308	American Sign Language IV	3
ASLS	421	Practicum in American Sign Language	3
REHA	311	Independent Living	3
REHA	404	Rehabilitation Services for the Addict	3
REHA	405	Human Relations in Rehabilitation	3
REHA	407	Pharmacology of Chemical Dependency Rehabilitation	3
REHA	408	Technology in Rehabilitation	3
REHA	411	Field Work in Rehabilitation Services II	1- 6
REHA	412	Special Topics in Rehabilitation	3
REHA	421	Practicum in Rehabilitation	1- 6
REHA	499	Independent Study in Rehabilitation	1- 6

III. Supportive Core Requirements (for both tracks) 19 credits

Course	No.	Title	Credits
BIOL	231	Human Anatomy and Physiology I	3
BIOL	233	Human Anatomy and Physiology I Lab	1
EDSP	200B	Introduction to Special Education	3
HUEC	203	Human Development: A Lifetime Perspective **or**	
PSYC	305	Developmental Psychology	3
MATH	210	Elementary Statistics	3
PSYC	371	Abnormal Psychology	3
SOCI	202	Social Deviance and Social Control	3

IV. Supportive Core Requirements (for the Behavioral Rehabilitation track) 9 Credits

Course	No.	Title	Credits
REHA	300/400	**or**	
PSYC	300/400	Level Course	3
CRJS	300/400	**or**	
REHA	300/400	**or**	
PSYC	300/400	**or**	
SOCI	300/400	**or**	
SOWK	300/400	Level courses	6

V. Supportive Core Requirements (for the Allied Health track) 30 Credits

Course	No.	Title	Credits
BIOL	232	Human Anatomy and Physiology II	3
BIOL	234	Human Anatomy and Physiology II Lab	1
BIOL	301	Microbiology with Lab (BIOL 303) **or**	
BIOL	326	Cell Biology with Lab (BIOL 327) **or**	
BIOL	420	Animal Histology with Lab (BIOL 421)	4
BUED	212	Computer Concepts/Applications I	3
CHEM	111	Principles of Chemistry I (instead of CHEM 101)	3
CHEM	113	Principles of Chemistry I Lab	1
CHEM	112	Principles of Chemistry II	3
CHEM	114	Principles of Chemistry II Lab	1
MATH	110	Trigonometry and Analytic Geometry	3
PHYS	121	General College Physics I	3
PHYS	123	General College Physics I Lab	1
PHYS	122	General College Physics II	3
PHYS	124	General College Physics II Lab	1

VI. Elective Courses

If students are following the Behavioral Rehabilitation Track, they must take at least nine credits in courses that are consistent with their career goals. Students are encouraged to select courses from the following list of recommended electives if they wish to fulfill requirements for Chemical Dependency Provisional Certification, American Sign Language Studies or other rehabilitation specializations. Select 100, 200, 300, or 400 level courses parallel with the first, second, third or fourth year of college.

Course	No.	Title	Credits
ASLS	202	Orientation to Deafness	3
ASLS	203	American Sign Language I	3
ASLS	204	American Sign Language II	3
ASLS	307	American Sign Language III	3
ASLS	308	American Sign Language IV	3
ASLS	421	Practicum in American Sign Language	3

Course	No.	Title	Credits
BIOL	301	Microbiology **and**	3
BIOL	303	Microbiology Lab	1
BIOL	326	Cell Biology	3
BIOL	327	Cell Biology Lab **and**	1
BIOL	420	Animal Histology **and**	3
BIOL	421	Animal Histology Lab	1
CHEM	111	Principles of Chemistry I **and**	3
CHEM	113	Principles of Chemistry I Lab	1
CHEM	112	Principles of Chemistry II **and**	3
CHEM	114	Principles of Chemistry II Lab	1
EXSC	302	Prevention and Cure of Athletic Injuries	3
EXSC	341	First Aid, Safety and CPR	1
EXSC	352	Exercise and Sport Psychology	3
EXSC	363	Motor Development	3
MATH	110	Trigonometry and Geometry	3
PHYS	121	General College Physics I **and**	3
PHYS	123	General College Physics I Lab	1
PHYS	122	General College Physics II **and**	3
PHYS	124	General College Physics II Lab	1
PSYC	301	Child Psychology	3
PSYC	307	Educational Psychology	3
RECR	413	Therapeutic Recreation	3
SOCI	301	Rural Sociology	3
SOCI	303	Inequality in America	3
SOCI	311	Anthropology	3
SOCI	313	Criminology and Penology	3
SOCI	315	Urban Sociology	3
SOCI	316	Marriage and Family Life	3
SOCI	329	Sociology of Medicine	3
SOCI	331	American Minority Groups	3
SOCI	334	Sociology of Mental Health	3
SOCI	361	Social Gerontology	3
SOCI	430	The Black Family	3
SOWK	455	Substance Abuse: Issues/Services	3

*** Approval of the instructor is required for seniors taking this course to fulfill requirements for Chemical Dependency Provisional Certification.**

CHEMICAL DEPENDENCY PROVISIONAL CERTIFICATION REQUIREMENTS

The following courses fulfill the educational requirements for the Chemical Dependency Provisional Certification through the Board of Professional Counselors. These are in addition to required Rehabilitation Services Program Core Courses.

15 Credits

Course	No.	Title	Credits
EDGC	640	Group Process in Guidance and Counseling (Program Approval Required)	3
REHA	404	Rehabilitation Services for the Addict	3
REHA	405	Human Relations in Rehabilitation	3
REHA	407	Pharmacology for Chemical Dependence Rehabilitation	3
SOWK	455	Substance Abuse: Issues and Services	3

AMERICAN SIGN LANGUAGE STUDIES CONCENTRATION

The following courses prepare individuals who are interested in developing communication skills for interacting with the Deaf community. The Program is open to other academic units at the University of Maryland Eastern Shore and to the community for individuals who are interested in acquiring sign language skills. ASLS courses are authorized substitutions for the two required Rehabilitation Options.

18 Credits

Course	No.	Title	Credits
ASLS	202	Orientation to Deafness	3
ASLS	203	American Sign Language I	3
ASLS	204	American Sign Language II	3
ASLS	307	American Sign Language III	3
ASLS	308	American Sign Language IV	3
ASLS	421	Practicum in American Sign Language	3

REHABILITATION SERVICES PROGRAM
BEHAVIORAL REHABILITATION TRACK
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
ENGL	101	Basic Composition I	3
MATH	109	College Algebra	3
SOCI	101	Intro. to Sociology	3
GNST	100	First Year Experience Sem.	1
EDHE	111	Personalized Health Fitness	3
CHEM	101	General Chemistry I	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab.	1
ENGL	102	Basic Composition II	3
PSYC	200	Intro. to Psychology	3
		GER CURR. AREA I	3
SOCI	201	Social Problems	3
		Semester Total	**16**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
BIOL	231	Human Anatomy & Physio. I	3
BIOL	233	Human Anat. & Physio. I Lab	1
ENGL	203	Fund. of Contemp. Speech	3
MATH	210	Basic Statistics	3
		Elective	3
		GER CURR AREA I	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
CRJS	300	Level Course **or**	
PSYC	300	Level Course **or**	
REHA	300	Level Course **or**	
SOCI	300	Level Course **or**	
SOWK	300	Level Course	3
		Elective	3
REHA	201	Intro. to Rehabilitation	3
SOCI	202	Social Deviance	3
EDSP	200B	Intro to Special Education	3
		Semester Total	**15**

JUNIOR YEAR

FALL SEMESTER			HOURS
ENGL	305/H/W	Technical Writing	3
REHA	306	Counseling Skills/ Tech.	3
REHA	301	Health & Medical Info.	3
REHA	303	Case Record/ Case Mgmt.	3
PSYC	305	Developmental Psychology	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
		Elective	3
REHA	302	Theories of Counseling	3
REHA	305	Vocation. Counsel./Dev.	3
PSYC	371	Abnormal Psychology	3
		Rehab. Option	3
		Semester Total	**15**

SENIOR YEAR

FALL SEMESTER			HOURS
CRJS	300/400	Level Course **or**	
PSYC	300/400	Level Course **or**	
REHA	300/400	Level Course **or**	
SOCI	300/400	Level Course **or**	
SOWK	300/400	Level Course	3
REHA	304	Assessment	3
REHA	402	Rehab of Devel. Disabled	3
REHA	403	Rehab Psychiatric Disabled	3
		Rehab. Option	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
REHA	401	Field Work in Rehab	6
REHA	406	Seminar in Rehabilitation	3
PSYC		**or**	
REHA			3
		Semester Total	**12**
		Total Credits Required	**120**

REHABILITATION SERVICES PROGRAM
ALLIED HEALTH TRACK
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
CHEM	111	Principles of Chemistry I	3
CHEM	113	Principles of Chemistry I Lab.	1
EDHE	111	Personalized Health Fitness	3
ENGL	101	Basic Composition I	3
GNST	100	First Year Experience Sem.	1
MATH	109	College Algebra	3
SOCI	101	Intro. to Sociology	3
		Semester Total	**17**

SPRING SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab.	1
CHEM	112	Principles of Chemistry II	3
CHEM	114	Principles of Chemistry II Lab.	1
ENGL	102	Basic Composition II	3
PSYC	200	Intro to Psychology	3
SOCI	201	Social Problems	3
		Semester Total	**17**

JUNIOR YEAR

FALL SEMESTER			HOURS
ENGL	305	Technical Writing	3
PHYS	121	General College Physics I	3
PHYS	123	Gen. College Physics I Lab	1
REHA	301	Health & Medical Info	3
REHA	303	Case Record/Case Mgmt.	3
REHA	306	Counseling Skills/ Tech.	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
PHYS	122	Gen. College Physics II	3
PHYS	124	Gen. Col. Physics. II Lab.	1
PSYC	305	Developmental Psyc.	3
PSYC	371	Abnormal Psychology	3
REHA	302	Theories of Counseling	3
REHA	305	Voca. Counseling/Dev.	3
		Semester Total	**16**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
BIOL	231	Human Anatomy & Physio. I	3
BIOL	233	Human Anat. & Physio. I Lab.	1
BUED	212	Computer Concepts I	3
ENGL	203	Fund of Contemp. Speech	3
		GER CURR. AREA I	3
SOCI	202	Social Deviance/Control	3
		Semester Total	**16**

SPRING SEMESTER			HOURS
BIOL	232	Human Anat. & Physio. II	3
BIOL	234	Hum. Anat./Physio. II Lab	1
EDSP	200B	Intro. to Special Education	3
		GER CURR. AREA I	3
MATH	210	Basic Statistics	3
REHA	201	Intro. to Rehabilitation	3
		Semester Total	**16**

SENIOR YEAR

FALL SEMESTER			HOURS
MATH	110	Trig. & Analytic Geometry	3
REHA	304	Assessment	3
REHA	402	Rehab. of Deve. Disabled	3
REHA	403	Rehab Psychiatric Disabled	3
		Rehab. Option	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
BIOL	301	Microbiology with Lab. **or**	
BIOL	326	Cell Biology with Lab. **or**	
BIOL	420	Animal Histology with Lab.	4
REHA	401	Field Work in Rehab	6
REHA	406	Seminar in Rehabilitation	3
		Rehab. Option	3
		Semester Total	**16**

Total Credits Required **129**

GENERAL STUDIES
CONCENTRATION IN REHABILITATION
Required and Recommended Courses

I. General Education Requirements
TOTAL REQUIRED FOR GENERAL EDUCATION — 42 Credits Minimum
Students should consult with their freshman or departmental advisor when making course selections.

A. Curriculum Area I – (Arts and Humanities) 9 credits

Students must select ENGL 203 plus two additional courses:

ARTS:	ARTS 101, ARTS 310, MUSI 100, MUSI 101, MUSI 109
HISTORY:	HIST 201, HIST 202, HIST 333, HIST 334, HIST 341, HIST 360
LANGUAGE:	FREN 101, FREN 102, SPAN 101, SPAN 102
LITERATURE:	ENGL 204, ENGL 205, ENGL 206, ENGL 207, ENGL 215, ENGL 218, ENGL 328, ENGL 329, ENGL 401

B. Curriculum Area II – (Social and Behavioral Sciences) 9 credits

Students must select one course in each of two disciplines plus an extra in Behavioral Science:

SOCIAL SCIENCES: ECON 201 or ECON 201H, ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342, **SOCI 101* or SOCI 111H***

BEHAVIORAL SCIENCES: CRJS 101, HUEC 203, HUEC 220, HUEC 361, HUEC 380, SOWK 200 or SOWK 200H, **PSYC 200* , SOCI 201***

C. Curriculum Area III – (Biological and Physical Sciences) 8 Credits

Students must select two science courses which must include at least one laboratory:
ANPT 114, BIOL 101, BIOL 103 (lab), BIOL 112, BIOL 114 (lab), CHEM 102, CHEM 104 (lab), CHEM 111, CHEM 113 (lab), PHYS 101, PHYS 103 (lab), PHYS 121, PHSY 123 (lab), PHYS 122, PHYS 124 (lab), PHYS 161, PHYS 181H, PHYS 183H (lab), PHYS 182H, PHYS 184H (lab), PHYS 263, PLSC 184, CHEM 101, CHEM 103 (lab), BIOL 111, BIOL113 (lab)

D. Curriculum Area IV – (Mathematics) 3 credits

One course at or above the level of MATH 102. Students must select one course as required by their major department and/or results of their Mathematics Placement Exam.

Course	No.	Title	Credits
MATH	102	Applications of College Mathematics	3
MATH	**109***	College Algebra	3
MATH	110	Trigonometry and Analytic Geometry	3
MATH	111H	Honors Elementary Mathematical Analysis	3
MATH	112	Calculus I	3

E. Curriculum Area V – (English Composition) 9 credits

Course	No.	Title	Credits
ENGL	101/H/W	Basic Composition I	3
ENGL	102/H/W	Basic Composition II	3
ENGL	305/H/W	Technical Writing (Honors) **or**	
ENGL	310/H/W	Advanced Composition (Honors)	3

F. Curriculum Area VI – (Emerging Issues) **4 credits**

Courses identified as being essential to a full program of general education for UMES students
GNST 100*, EDHE 111*

***Required for the Rehabilitation Concentration.**
MATH 110 and CHEM 111 are authorized substitutes for MATH 109 and CHEM 101.

II. Program Core Requirements **24 credits**
A grade of "C" or better is required in each of the Program Core Requirements

Course	No.	Title	Credits
REHA	201	Introduction to Rehabilitation*	3
REHA	302	Theories of Counseling	3
REHA	303	Case Recording & Case Management	3
REHA	305	Vocational, Development, Counseling & Employment	3
REHA	306	Counseling Skills & Techniques	3
REHA	401	Field Work in Rehabilitation Services I**	6
REHA	406	Seminar in Rehabilitation	3

*** REHA 201 is a prerequisite for all other REHA courses.**

**Students must complete their junior year and meet with the Clinical Coordinator before applying for this field work. The student is responsible for the cost of liability insurance (through UMES) which must be obtained prior to participating in Field Work.

OPTIONS

The Rehabilitation Options require a minimum of six (6) hours from the following:

Course	No.	Title	Credits
ASLS	202	Orientation to Deafness	3
ASLS	203	American Sign Language I	3
ASLS	204	American Sign Language II	3
ASLS	307	American Sign Language III	3
ASLS	308	American Sign Language IV	3
ASLS	421	Practicum in American Sign Language	3
REHA	304	Assessment in Rehabilitation	3
REHA	311	Independent Living	3
REHA	402	Rehabilitation of the Developmentally Disabled	3
REHA	403	Rehabilitation of the Psychiatrically Disabled	3
REHA	404	Rehabilitation Services for the Addict	3
REHA	405	Human Relations in Rehabilitation	3
REHA	407	Pharmacology of Chemical Dependency Rehabilitation	3
REHA	408	Technology in Rehabilitation	3
REHA	411	Field Work in Rehabilitation Services II	1- 6
REHA	412	Special Topics in Rehabilitation	3
REHA	421	Practicum in Rehabilitation	1- 6
REHA	499	Independent Study in Rehabilitation	1- 6

III. Supportive Core Requirements **21 Credits**

Course	No.	Title	Credits
BUED	212	Computer Concepts I	3
EDSP	200B	Introduction to Special Education	3
HUEC	203	Human Development: A Lifetime Perspective	3
MATH	210	Elementary Statistics	
PSYC	305	Developmental Psychology **or**	3
PSYC	371	Abnormal Psychology	3
SOCI	202	Social Deviance and Social Control	3
SOCI	326	Social Psychology	3

IV. Electives **27 credits**

Students should select courses that complement their career goals. At least six (6) credits **must** be 400-level courses while an additional nine (9) credits must be either 300 or 400-level courses. Students should consult with their Rehabilitation Services advisor in selecting electives.

GENERAL STUDIES CONCENTRATION
IN REHABILITATION
Recommended Course Sequence

FRESHMAN YEAR

FALL SEMESTER			HOURS
EDHE	111	Personalized Health Fitness	3
ENGL	101	Basic Composition I	3
MATH	109	College Algebra	3
SOCI	101	Intro. to Sociology	3
CHEM	101	Intro. to Chemistry I **or**	3
CHEM	103	Intro. to Chemistry I Lab	1
GNST	100	First Year Experience Sem.	1
		Semester Total	**17**

SPRING SEMESTER			HOURS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Lab	1
ENGL	102	Basic Composition II	3
		GER. CURR. AREA I	3
SOCI	201	Social Problems	3
PSYC	200	Intro to Psychology	3
		Semester Total	**16**

JUNIOR YEAR

FALL SEMESTER			HOURS
		Elective	3
	300/400	Level Course	3
ENGL	305	Technical Writing	3
PSYC	305	Developmental Psych	3
REHA	306	Counseling Skills/ Tech.	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
	300/400	Level Elective	3
	300/400	Level Elective	3
REHA	302	Theories of Counseling	3
REHA	305	Voca. Counseling/Dev.	3
REHA		Rehab Option	3
		Semester Total	**15**

SOPHOMORE YEAR

FALL SEMESTER			HOURS
ENGL	203	Fund of Contemp. Speech	3
SOCI	202	Social Deviance/Control	3
		GER. CURR. AREA I	3
MATH	210	Basic Statistics	3
		Elective	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
BUED	212	Computer Concepts I	3
		Elective	3
		Elective	3
EDSP	200B	Intro. to Special Education	3
REHA	201	Intro. to Rehabilitation	3
		Semester Total	**15**

SENIOR YEAR

FALL SEMESTER			HOURS
	400	Level Elective	3
PSYC	371	Abnormal Psych	3
REHA	303	Case Record/Case Mgnt.	3
REHA		REHA Option	3
SOCI	326	Social Psychology	3
		Semester Total	**15**

SPRING SEMESTER			HOURS
CRJS	400	Level Course **or**	
REHA	400	Level Course **or**	
PSYC	400	Level Course **or**	
SOCI	400	Level Course **or**	
SOWK	400	Level Course	3
REHA	401	Field Work in Rehab	6
REHA	406	Seminar	3
		Semester Total	**12**

Total Credits Required **120**

COURSE DESCRIPTIONS

AMERICAN SIGN LANGUAGE STUDIES

ASLS 202 Orientation to Deafness 3 crs.
This course provides an overview of deafness focusing on four major topics: the nature and experience of deafness, the education and training of children and adults who are deaf, the deaf adult community, and deafness culture. ASLS 202 or substantial experience with the deaf culture is a prerequisite for other ASLS courses.

ASLS 203 American Sign Language I 3 crs.
This course prepares students to develop expressive and receptive skills in American Sign Language (ASL). The course will include the conceptual sign vocabulary and grammar from ASL. Prerequisite: ASLS 202.

ASLS 204 American Sign Language II 3 crs.
This course expands the knowledge of expressive and receptive skills in American Sign Language (ASL) beyond knowledge acquired in ASLS 203. The course will focus on structure, grammar, syntax, and vocabulary. Prerequisite: ASLS 202 and ASLS 203, or proficiency evaluation.

ASLS 307 American Sign Language III 3 cr.
This course provides a more extensive knowledge of expressive and receptive skills in American Sign Language (ASL). Emphasis is placed on cognitive preparation incorporating visual and motor activities. Exposure to other forms of communication used by individuals who are deaf will be introduced. Prerequisites: ASLS 202, ASLS 203 and ASLS 204 or proficiency evaluation.

ASLS 308 American Sign Language IV 3 cr.
This course provides an advanced preparation of knowledge in expressive and receptive skills in American Sign Language (ASL). Students become more sensitive to the experiences of the deaf consumer and have instructional activities which lead to the development of visual, spatial, and motor learning memory. Prerequisite: ASLS 202, ASLS 203, ASLS 204 and ASLS 307 or proficiency evaluation.

ASLS 421 Practicum in American Sign Language 3 cr.
This course requires a minimum of 135 hours of direct interaction with the deaf community, a group of deaf individuals, or a human services agency providing services to the deaf. Prerequisites: ASLS 202, ASLS 203, ASLS 204, ASLS 307 and ASLS 308 or demonstrated advance knowledge of ASL and permission of the Rehabilitation Services Program's Clinical Coordinator.

REHABILITATION SERVICES

REHA 201/W Introduction to Rehabilitation/ WEB 3 cr.
The history, philosophy, and legislation of rehabilitation are examined. The course covers the rehabilitation process from referral to closure. Legal issues, professional ethics, consumer advocacy, and community resources will be investigated. REHA 201 is prerequisite for other REHA courses.

REHA 301 Health/Medical Information 3 cr.
This course provides an overview of health information. Study of basic medical terminology, medical information, and review of body systems will be explored. Review of common disabling conditions, their symptomatology, prognosis, and treatment will be examined. Prerequisites: BIOL 231, BIOL 233 and REHA 201.

REHA 302 Theories of Counseling 3 cr.
This course provides study of counseling theories and techniques and their application in counseling with individuals who have a disability. Prerequisite: REHA 201.

REHA 303/WEB Case Recording & Case Management/WEB 3 cr.
This course examines principles and practices of obtaining, recording, evaluating, and utilizing case data in rehabilitation. Techniques of managing caseload of individuals with a disability are explored. Prerequisite: REHA 201.

REHA 304 Assessment in Rehabilitation 3 cr.
In this course students conduct a survey of psychological, social and vocational tests. The nature and use of tests in counseling, test analysis and test interpretation are examined. Prerequisite: REHA 201.

REHA 305 Vocational Development Counseling and Employment 3 cr.
This course are examines theories of vocational choice, and vocational counseling, and vocational assessment. Job development and placement techniques are discussed. Problems relating to placement of disabled persons in employment are investigated. Prerequisite: REHA 201.

REHA 306 Counseling Skills and Technology 3 cr.
This course is designed to expose students to the basic skills and techniques of counseling. Students who participate in this course acquire counseling skills through participation in intensive classroom counseling scenarios. Prerequisite: REHA 201.

REHA 311 Independent Living 3 cr.
This course assists students in developing leadership skills and knowledge which will enable them to work with individuals with chronic disabilities. Students will learn the ways these individuals live independently and productively in the community.

REHA 401 Field Work in Rehabilitation Services 6 cr.
This course is a part-time supervised practicum in agencies and institutions providing rehabilitation services essential to employment. Prerequisites: REHA 301, REHA 302, REHA 303, REHA 304, REHA 305 and REHA 306 and permission of the Clinical Coordinator.

REHA 402/W Introduction to Development Disabilities/WEB 3 cr.
This course provides a study of the etiology, treatment, terminology, and related process of rehabilitation to include programs, personnel, and facilities; community resources, and current trends in developmental disabilities.

REHA 403 Rehabilitation of the Psychiatrically Impaired 3 cr.
This course is a study of the history and current practices; programs, personnel, and facilities; community organizations; and trends of the psychiatrically impaired.

REHA 404 Rehabilitation Services for the Addict 3 cr.
This course is a study of the physical, social, psychological, and vocational aspects of the people who have become addicted. Assessment, prevention and treatment techniques are explored.

REHA 405 Human Relations in Rehabilitation 3 cr.
This course provides a study of social and cultural relationships of ethnic and racial groups. Emphasis is on factors relating to employment of culturally diverse individuals with disabilities.

REHA 406 Seminar in Rehabilitation 3 cr.
Current trends, problems, and development in rehabilitation are discussed. Students pursue a special interest area, such as cultural diversity, disability determination, and work adjustment, work evaluation, legal and ethical issues, etc., and share information and experience mutually with the class. Lecture, guest speakers, reports, and class discussions are utilized.

REHA 407 Pharmacology of Chemical Dependency Rehabilitation 3 cr.
The medical, psychological, and sociological effects of legal and illegal drugs are discussed. Focus is on the pharmacological actions and behavior effects of cocaine, amphetamines, alcohol, depressants, psychiatric drugs, opiates, marijuana, hallucinogens and other prescription/over- the- counter drugs.

REHA 408 Technology in Rehabilitation 3 cr.
This course provides an overview of technology focused on adaptive and assistive rehabilitation technology, including aids for daily living.

REHA 411 Field Work in Rehabilitation Services II 1-6cr.
This course is a part-time supervised practicum in agencies and institutions providing rehabilitation services essential to employment. Students must have completed 6 credit hours of REHA 401 to enroll in this course.

REHA 412/W Special Topics in Rehabilitation/ WEB 3 cr.
This course prepares students to understand current issues and policies regarding disabilities and how those policies influence the rehabilitation process.

REHA 421 Practicum in Rehabilitation 1-6 cr.
This course provides for an expanded elective opportunity for students to become exposed to and experience the operations within an agency, organization, or institution. This is a part-time supervised opportunity.

REHA 499/W Independent Study/WEB 1-6 cr.
This course is an intensive study of specialized topics in rehabilitation for advanced students. Permission to take an independent study must be obtained from the instructor when the course is otherwise unavailable.

FACULTY

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