

AHAT 213	Prev and Care Athletic Injur L	1	F,S
ECP 120	Emergency Medical Respondr Lec	2	F,S
ECP 121	Emergency Medical Respondr Lab	1	F,S
HEE 203	Professional Activities I2	F	
HEE 204	Professional Activities II	2	S
HEE 233	Health Issues Child/Adol	3	F,S
HTH 110	Personal Health and Wellness	3	F,S
KIN 201	Basic Exercise Prescription	3	F,S
KIN 205	Foundations of HHP	3	F,S
NUTR 221N	Basic Human Nutrition	3	F,S

Commentary: Students should take ECP 120 and ECP 121 within two years of graduation in order to ensure current certification. Students may substitute outside Emergency Medical Responder Certification for these courses.

Commentary: Lower Division Core

Category Name: Outside Major Lower Division Required Courses Rule: All courses are required.

Criterion: C-

Course Listing	Number of Credits	39	
BIOH 201N	Human Anat Phys I (equiv 301)	4	F
BIOH 202N	Human Anat and Phys I Lab	4	F
BIOH 211N	Human Anat Phys II (equiv 311)	4	S
BIOH 212N	Human Anat Phys II Lab	4	S
BIOM 250N	Microbiology for Hlth Sciences	3	F,S
M 115	Probability and Linear Math	3	F,S
NASX 105H	Intro Native Amer Studies	3	F,S
PSYX 100S	Intro to Psychology	4	F,S
STAT 216	Introduction to Statistics	4	F,S
WRIT 101	College Writing I	3	F,S
WRIT 121	Intro to Technical Writing	3	

Commentary: Students may take any adviser approved Statistics course in place of STAT 216 (PSYX 222, SOCI 202, WILD 240, or EDU 421). Students may substitute WRIT 201 for WRIT 121.

Note: BIOH 201N and 202N are co-requisites completed for a total of 4 credits and BIOH 211N and 212N are co-requisites completed for a total of 4 credits.

Commentary: Upper Division Core

Category Name: Upper Division Departmental Required Courses Rule: All courses are required.

Criterion: C-

Course Listing	Number of Credits	26	
HEE 301	Meth of Secondary HE	3	S
HEE 302	Meth of Inst Strat in Elem PE	3	F,S
HEE 340	Methods of Health Education	3	FE
HTH 465	Leading Hlth, Hmn Perform Orgs	3	F,S

HTH 475E	Leg Eth Issues Hlth Ex Pro	3	F,S
KIN 320	Exercise Physiology	3	F,S
KIN 321	Exercise Physiology Lab	1	F,S
KIN 322	Kinesiology	3	F
KIN 323	Anatomical Kinesiology Lab	1	F
KIN 330	Motor Learning and Control	3	F,S

Commentary:

Commentary: Upper Division Core

Category Name: Outside Major Upper Division Required Courses Rule: Complete the following course.

Criterion: C- Number of Credits 3

Course Listing

ENST 472	Gen Sci: Conserv Ed	3	F,S
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Degree Commentary: The Bachelor of Science degree in HHP with the Health Enhancement option requires 130 total credits to graduate. Students must be formally admitted to the Teacher Education Program and complete all of the professional education licensure requirements. See the Department of Curriculum & Instruction in the College of Education and Human Sciences for information. A major GPA of 2.75 is required to be eligible for student teaching.

College of ED & Human Sciences Catalog Year: 2015-2016

Degree Type: Bachelor of Science Level: Major Subject: **Health & Human Performance**

Option: **Exercise Science - Applied**

Total Credits: 105 Cumulative GPA Required: 2.0

Rule: All courses are required.

Criterion: C- Number of Credits 18

Course Listing

AHAT 210	Prev and Care Athletic Injur	2	F
AHAT 213	Prev and Care Athletic Injur L1		F
ECP 120	Emergency Medical Responldr Lec	2	F,S
ECP 121	Emergency Medical Responldr Lab	1	F,S
HTH 110	Personal Health and Wellness	3	F,S
KIN 201	Basic Exercise Prescription	3	F,S
KIN 205	Foundations of HHP	3	F,S
NUTR 221N	Basic Human Nutrition	3	F,S

Commentary: Students should take ECP 120, ECP 121 within two years of graduation, in order to ensure current certification. Students may substitute outside Emergency Medical Responder Certification for these courses.

Commentary: Lower Division Core

Category Name: Outside Major Lower Division Required Courses Rule: All courses are required.

Criterion: C-

Course Listing Number of Credits 38

BGEN 105S	Introduction to Business	3	F,S
CHMY 121N	Intro to General Chemistry	3	F
CHMY 123N	Intro to Organic & Biochem	3	S
CHMY 124N	Intro to Organic & Biochem Lab	2	S
COMX 111A	Intro to Public Speaking	3	F,S
M 121	College Algebra	3	F
M 122	College Trigonometry	3	S
PHSX 205N	College Physics I	4	F
PHSX 206N	College Physics I Laboratory	1	F
PSYX 100S	Intro to Psychology	4	F,S
STAT 216	Introduction to Statistics	4	F,S
WRIT 101	College Writing I	3	F,S
WRIT 121	Intro to Technical Writing	3	

Commentary: Students may substitute BGEN 235 for BGEN 105. One semester of General and one semester of Organic Chemistry is required. Students may substitute M 151 in place of M 121, M 122 series. Students may take any other Statistics course that is pre-approved by their adviser (PSYX 222, SOCI 202, WILD 240, or EDU 421). Students may substitute WRIT 201 for WRIT 121.

Commentary: Students interested in Medical School should pay special attention to those additional requirements. Please meet with the Medical School Adviser in the HHP Department if you intend to also major in Pre-Medical studies.

Upper Division Core

Category Name: Upper Division Departmental Required Courses Rule: All courses are required.

Criterion: C-

Course Listing	Number of Credits	35-38	
COA 405	Adv Concepts in Coaching	3	S
HTH 465	Leading Hlth, Hmn Perform Orgs	3	S
HTH 475E	Leg Eth Issues Hlth Ex Pro	3	F,S
KIN 310	Strength Training & Cond	2	
KIN 320	Exercise Physiology	3	F,S
KIN 321	Exercise Physiology Lab	1	F,S
KIN 322	Kinesiology	3	F
KIN 323	Anatomical Kinesiology Lab	1	F
KIN 330	Motor Learning and Control	3	F,S
KIN 410	Adv Strength Training & Cond	3	S
KIN 425	Biomechanics	3	
KIN 447	Analytical & Comm Techniques	3	F,S
KIN 498	Internship	2 To 6	F,S
NUTR 411	Nutrition For Sprts & Exercise	3	F,S

Commentary: Students take KIN 498 for 3 to 6 credits.

Commentary: Upper Division Core

Category Name: Outside Major Upper Division Required Courses Rule: All courses are required.

Criterion: C- Number of Credits 8

Course Listing

BIOH 365	Human AP I for Health Profsns	4	F
BIOH 370	Human AP II for Health Profsns	4	S

Commentary: It is strongly recommended that students take either BIOH 112 OR BIOH 113 OR BIOB 160 prior to taking Anatomy and Physiology.

Students may substitute BIOH 201/202 and BIOH 211/212 for their Anatomy and Physiology requirements.

BIOH 112 OR BIOH 113 OR BIOB 160 AND CHMY 121 are prerequisites for the 300 level Anatomy and Physiology Series.

Upper Division Electives

Category Name: Elective Courses

Rule: Electives require adviser pre-approval.

Criterion: C- Number of Credits 6

Course Listing

Commentary: Electives require adviser pre-approval.

Students may use any pre-approved Math and Science Elective courses in this category. At least 3 must be

Upper Division Credits. Special care should be taken if BIOH 201/202 and BIOH 211/212 were used for

Anatomy and Physiology requirements, as more Upper Division Credits may need to be used in this category.

College of ED & Human Sciences Catalog Year: 2015-2016

Degree Type: Bachelor of Science Level: Major Subject: **Health & Human Performance**

Option: **Exercise Scn - PreProfessional**

Total Credits: 103 Cumulative GPA Required: 2.0

Lower Division Core

Category Name: Major Lower Division Departmental Required Courses Rule: All courses are required.

Criterion: C-

Course Listing Number of Credits 12

ECP 120	Emergency Medical Responldr Lec	2	F,S
ECP 121	Emergency Medical Responldr Lab	1	F,S
KIN 201	Basic Exercise Prescription	3	F,S
KIN 205	Foundations of HHP	3	F,S
NUTR 221N	Basic Human Nutrition	3	F,S

Commentary: Students should take ECP 120, ECP 121 within two years of graduation in order to ensure current certification. Students may also substitute outside Emergency Medical Responder Certification for these courses.

Commentary: Lower Division Core

Category Name: Outside Major Lower Division Required Courses Rule: All courses are required.

Criterion: C- Number of Credits 40

Course Listing

CHMY 121N	Intro to General Chemistry	3	F
CHMY 123N	Intro to Organic & Biochem	3	S

COMX 111A	Intro to Public Speaking	3	F,S
M 121	College Algebra	3	F
M 122	College Trigonometry	3	S
PHSX 205N	College Physics I	4	F
PHSX 206N	College Physics I Laboratory	1	F
PHSX 207N	College Physics II	4	S
PHSX 208N	College Physics II Laboratory	1	S
PSYX 100S	Intro to Psychology	4	F,S
STAT 216	Introduction to Statistics	4	F,S
WRIT 101	College Writing I	3	F,S
WRIT 121	Intro to Technical Writing	3	

Commentary: One semester of General and one semester of Organic Chemistry are required. Students may substitute M 151 in place of M 121, M 122 series. Students may take any other Statistics course that is pre-approved by an adviser (PSYX 222, SOCI 202, WILD 240, or EDU 421). Students may substitute WRIT 201 for WRIT 121.

Commentary: Students interested in Medical School should pay special attention to those additional requirements. Please meet with the Medical School Adviser in the HHP Department if you intend to also major in Pre-Medical studies.

Upper Division Core

Category Name: Major Upper Division Departmental Required Courses Rule: All courses are required.

Criterion: C-

Course Listing	Number of Credits	31-34	
HTH 475E	Leg Eth Issues Hlth Ex Pro	3	F,S
KIN 320	Exercise Physiology	3	F,S
KIN 321	Exercise Physiology Lab	1	F,S
KIN 322	Kinesiology	3	F
KIN 323	Anatomical Kinesiology Lab	1	F
KIN 330	Motor Learning and Control	3	F,S
KIN 425	Biomechanics	3	
KIN 447	Analytical & Comm Techniques	3	F,S
KIN 460	ECG Assessment	1	F
KIN 483	Exercise Disease & Aging	3	S
KIN 484	Exercise Disease & Aging Lab	1	S
KIN 498	Internship	2 To 6	F,S
KIN 499	Capstone	1 To 3	F
NUTR 411	Nutrition For Sprts & Exercise	3	F,S

Commentary:

Upper Division Core

Category Name: Outside Major Upper Division Required Courses Rule: All courses are required.

Criterion: C- Number of Credits 8

Course Listing			
BIOH 365	Human AP I for Health Profsns	4	F
BIOH 370	Human AP II for Health Profsns	4	S

Commentary: It is strongly recommended that students take either BIOH 112 OR BIOH 113 OR BIOB 160 prior to taking Anatomy and Physiology.

Students may substitute BIOH 201/202 and BIOH 211/212 for their Anatomy and Physiology Requirements. BIOH 112 OR BIOH 113 OR BIOB 160 AND CHMY 121 are prerequisites for the 300 level Anatomy and Physiology Series.

Commentary:

Upper Division Electives

Category Name: Elective Courses Rule: Must be approved by adviser

Criterion: C- Number of Credits 12

Course Listing

Commentary: Electives require adviser pre-approval.

It is strongly recommended that students take either BIOH 112 OR BIOH 113 OR BIOB 160 in this category prior to taking either Anatomy and Physiology.

Students can use any pre-approved Math and Science Elective courses in this category. 6 must be Upper Division Credits. Special care should be taken if BIOH 201/202 and BIOH 211/212 were used for Anatomy and Physiology requirements, as more Upper Division Credits may need to be used in this category.

College of ED & Human Sciences Catalog Year: 2015-2016

Degree Type: Bachelor of Science Level: Major Subject: **Health & Human Performance**

Option: **Health Enhancement**

Total Credits: 93 Cumulative GPA Required: 2.0

Lower Division Core

Category Name: Lower Division Departmental Required Courses

Rule: All courses are required.

Criterion: C

Number of Credits 25

Course Listing

AHAT 210 Prev and Care Athletic Injur 2 F,S

AHAT 213 Prev and Care Athletic Injur L 1 F,S

ECP 120 Emergency Medical Respondr Lec 2 F,S

ECP 121 Emergency Medical Respondr Lab 1 F,S

HEE 203 Professional Activities I 2 F

HEE 204 Professional Activities II 2 S

HEE 233 Health Issues Child/Adol 3 F,S

HTH 110 Personal Health and Wellness 3 F,S

KIN 201 Basic Exercise Prescription 3 F,S

KIN 205 Foundations of HHP 3 F,S

NUTR 221N Basic Human Nutrition 3 F,S

Commentary: Students should take ECP 120 and ECP 121 within two years of graduation in order to ensure current certification. Students may substitute outside

Emergency Medical Responder Certification for these courses.

Commentary:

Lower Division Core

Category Name: Outside Major Lower Division Required Courses

Rule: All courses are required.

Criterion: CNumber

of Credits 39

Course Listing

BIOH 201N Human Anat Phys I (equiv 301) 4 F

BIOH 202N Human Anat and Phys I Lab 4 F

BIOH 211N Human Anat Phys II (equiv 311) 4 S

BIOH 212N Human Anat Phys II Lab 4 S

BIOM 250N Microbiology for Hlth Sciences 3 F,S

M 115 Probability and Linear Math 3 F,S

NASX 105H Intro Native Amer Studies 3 F,S

PSYX 100S Intro to Psychology 4 F,S

STAT 216 Introduction to Statistics 4 F,S

WRIT 101 College Writing I 3 F,S

WRIT 121 Intro to Technical Writing 3

Commentary: Students may take any adviser approved Statistics course in place of STAT 216 (PSYX 222, SOCI 202, WILD 240, or EDU 421). Students may substitute WRIT 201 for WRIT 121.

Note: BIOH 201N and 202N are corequisites

completed for a total of 4 credits and BIOH 211N and 212N are corequisites

completed for a total of 4 credits.

Commentary:

Upper Division Core

Category Name: Upper Division Departmental Required Courses

Rule: All courses are required.

Criterion: CNumber

of Credits 26

Course Listing

HEE 301 Meth of Secondary HE 3 S

HEE 302 Meth of Inst Strat in Elem PE 3 F,S

HEE 340 Methods of Health Education 3 FE

HTH 465 Leading Hlth, Hmn Perform Orgs 3 F,S

HTH 475E Leg Eth Issues Hlth Ex Pro 3 F,S

KIN 320 Exercise Physiology 3 F,S

KIN 321 Exercise Physiology Lab 1 F,S

KIN 322 Kinesiology 3 F

KIN 323 Anatomical Kinesiology Lab 1 F

KIN 330 Motor Learning and Control 3 F,S

Upper Division Core

Category Name: Outside Major Upper Division Required Courses

Rule: Complete the following course.

Criterion: C

Number of Credits 3

Course Listing

ENST 472 Gen Sci: Conserv Ed 3 F,S

Degree Commentary: The Bachelor of Science degree in HHP with the Health Enhancement option requires 130 total credits to graduate. Students must be formally admitted to the Teacher Education Program and complete all of the professional education licensure requirements. See the Department of Curriculum & Instruction in the College of Education and Human Sciences for information. A major GPA of 2.75 is required to be eligible for student teaching.

College of ED & Human Sciences Catalog Year: 2015-2016

Degree Type: Minor Level: Minor Subject: **Administrative System Mgmt (Minor)**

Total Credits: 27 Cumulative GPA Required: 2.0

Lower Division Core

Category Name: Administrative Systems Management Minor Required Courses Rule: Complete all of the following courses.

Criterion: C- Number of Credits 27

Course Listing

ACTG 201	Principles of Fin Acct	3	
BGEN 235	Business Law	3	
BMGT 340	Mgmt & Organization Behavior	3	
C&I 287	Business Communications	3	
C&I 341	Information Managemnt & Design	3	S
CSCI 172	Intro to Computer Modeling	3	
ECNS 201S	Principles of Microeconomics	3	
EDU 472	Dev Digital Rich Workplace	3	S
M 115	Probability and Linear Math	3	

Degree Commentary: This is a non-teaching minor offered with the Department of Curriculum & Instruction in the College of Education and Human Sciences. Admission to the Teacher Education Program is NOT required.

College of ED & Human Sciences Catalog Year: 2015-2016

Degree Type: Minor Level: Minor Subject: **Early Childhood Education (Minor)**

Total Credits: 24 Cumulative GPA Required: 2.0

Lower Division Core

Category Name: Required Courses

Rule: Must complete all of the following courses:

Criterion: C- Number of Credits 24

Course Listing

EDEC 408	EC Principles & Practices	3	FO
EDEC 410	Families, Communities, Culture	3	FE
EDEC 420	Meeting Standards through Play	3	FO
EDEC 430	SocEmot Dvlpmnt in Yng Child	3	SE
EDEC 495	EC Fieldwork/Practicum	3	F,S
EDU 222	Educational Psych Child Dev	3	F,S
EDU 397	Methods: Teaching & Assessing	3	F,S

Commentary: Students must take two semesters of EDU 397: 1) Methods: PK-4 Early Numeracy and 2) Methods: PK-3 Early Literacy.

Degree Commentary: This minor can only be completed by individuals seeking K-8 elementary licensure or currently licensed elementary education teachers.

Global Youth Development Department

Lindsey Nichols, Assistant Professor of Counselor Education, Director

Housed in the Department of Counselor Education, this interdisciplinary master's degree program is designed for students who wish to engage in culturally-relevant volunteer work or paid employment in the realm of child and family assistance. It is affiliated with the United States Peace Corps as a partner school for their master's international program. Requirements include one year of full-time instruction at UM, a significant period of time engaging in internship work in an applied intercultural setting, and a final professional paper or thesis. Internships will typically be 1-2 years and will involve work in a culture other than one's own. Students participating in this program are expected to gain the following background and competencies:

- important interculturally-informed helping skills for working with youth, women, families and communities in culture other than their own

- a solid background in issues, concerns, and critiques regarding assistance and interventions across culture, both historically and currently
- the opportunity to pursue and participate in a significant field experience, working with an established helping agency in another culture or country

College Humanities & Sciences Catalog Year: 2015-2016

Degree Type: Minor Level: Minor Subject: Human and Family Development (Minor) Total Credits: 24

Cumulative GPA Required: 2.5

Upper Division Core

Category Name: Core Courses

Rule: Must complete the following subcategories

Criterion: Number of Credits 12

Course Listing

Subcategory Name: Subcategory 1

Rule: Must complete 1 of the following courses

Criterion: C Number of Credits 3

Course Listing

PSYX 230 Developmental Psychology 3

PSYX 233 Fund of Psychology of Aging 3

Commentary:

Subcategory Name: Subcategory 2

Rule: Must complete all of the following courses:

Criterion: C Number of Credits 3

Course Listing

HFD 494 Seminar in Human Development 1 To 3

HFD 498 Internship 1 To 4

Commentary: HFD 494 may be taken for 1 credit. HFD 498 must be taken for a minimum of 2 credits. Education majors may take EDEC 396 to fulfill this requirement.

Subcategory Name: Subcategory 3

Rule: Must complete 1 of the following courses

Criterion: C Number of Credits 3

Course Listing

COMX 311 Family Communication 3

SOCI 332 Sociology of the Family 3

Commentary:

Subcategory Name: Subcategory 4

Rule: Must complete 1 of the following courses

Criterion: C Number of Credits 3

Course Listing

C&I 520 Educational Research 3

COMX 460 Research Methods 3
PSYX 120 Research Methods I 3
PSYX 320 Research Methods III 3
S W 400 Social Work Research 3
SOC 318 Sociological Research Methods 3

Commentary:

Category Name: Elective Courses

Rule: Must complete 12 credits from any of the courses listed in the subcategories below; at least 6 credits must be taken outside of the student's major Criterion: Number of Credits 12

Course Listing Commentary:

Subcategory Name: Early Childhood

Rule: May complete any of the following courses

Criterion: C Number of Credits 0-12

Course Listing

C&I 421 Issues in Early Intervention 3
CSD 210 Speech & Lang Devel 3
EDEC 310 Child in the Family 3
EDEC 330 Early Childhood Education 3
EDEC 396 EC Fieldwork/Practicum 3
EDSP 403 Curric/Mthds Early Spec Educ 3
EDSP 462 Spec Ed Law, Policy, Practice 3
EDU 345 Excptnlty & Clsrm Mgmt 3
EDU 491 Special Topics/Exp Courses 1 To 6
EDU 494 Seminar:Refl Pract & App Rsrch 1 To 9
HFD 498 Internship 1 To 4
PSYX 290 Supervised Research 1 To 6
PSYX 378 Intro to Clinical Psyc 3

Commentary: Must complete all course work prior to taking HFD 498

Subcategory Name: School-Age

Rule: May complete any of the following courses

Criterion: C Number of Credits 0-12

Course Listing

EDU 221 Ed Psych & Measuremnt 3
EDU 345 Excptnlty & Clsrm Mgmt 3
PHAR 110N Use & Abuse of Drugs 3
PSYX 339 Curr Tpcs/Development Psyc 3
PSYX 376 Prin Cognit Behav Mod3
PSYX 378 Intro to Clinical Psyc 3
S W 300 Hum Behav & Soc Environ 3

S W 420 Child Abuse/Child Welfare 3
SOCI 330 Juvenile Delinquency 3

Commentary:

Subcategory Name: Adolescence

Rule: May complete any of the following courses

Criterion: C Number of Credits 0-12

Course Listing

EDSP 462 Spec Ed Law, Policy, Practice 3
EDU 221 Ed Psych & Measuremnt 3
EDU 345 Excptnlty & Clsrm Mgmt 3
PHAR 110N Use & Abuse of Drugs 3
PSYX 339 Curr Tpcs/Development Psyc 3
PSYX 345 Child & Adolescent Psych Dis 3
PSYX 376 Prin Cognit Behav Mod3
PSYX 378 Intro to Clinical Psyc 3
S W 300 Hum Behav & Soc Environ 3
S W 450 Children and Youth at Risk 3
SOCI 330 Juvenile Delinquency 3

Commentary:

Subcategory Name: Gerontology

Rule: May complete any of the following courses

Criterion: C Number of Credits 0-12

Course Listing

AHHS 325 Introduction to Gerontology 3
AHHS 327 MGS Meeting 1
AHHS 430 Health Aspects of Aging 3
PSYX 233 Fund of Psychology of Aging 3
PSYX 339 Curr Tpcs/Development Psyc 3
S W 455 Social Gerontology 3

Commentary:

Subcategory Name: Family Development

Rule: May complete any of the following courses

Criterion: C Number of Credits 0-12

Course Listing

COMX 311 Family Communication 3
COMX 414 Comm in Personal Relationships 3
EDEC 310 Child in the Family 3
PSYX 348 Psychology of Family Violence 3
S W 423 Addiction Studies 3

Commentary:

Commentary: The list of electives is categorized to assist the student wishing to focus on one of these areas. Students may plan curricula which do not correspond to these categories, but should choose among courses from this list. Occasionally "special topics" courses are offered. Students may use these as electives with the consent of their advisors.

Check with departments regarding variable-credit 395 and 495-Special Topics listings.

Degree Commentary

To earn a minor the student must complete 24 credits, with 11 at the 300 level or above. All students are required to take a 12-credit core curriculum and, with the help of a faculty advisor, to develop a written statement of goals and interests along with a planned curriculum that includes 12 additional credits of electives consistent with the stated goals and interests. At least 6 credits of electives must be outside of the student's major.

Course Descriptions

Activities

ACT 103 - Jump Rope Fitness and Skill

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 105 - Aerobic Fitness

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 106 - Beg Conditioning and Fitness

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 107 - Beginning Aerobic Dance

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 109 - Beginning Racquetball

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 110 - Beginning Weight Training

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in activity courses (ACT 100-287) in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 113 - Beginning Softball

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 114 - Beginning Rock Climbing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 115 - Soccer

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 118 - Hockey

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 119 - Beginning Nordic Skiing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 136 - Fundamentals of Juggling

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 140 - Beginning Basketball

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 143 - Beginning Table Tennis

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 144 - Horse

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 145 - Beginning Dodgeball

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 146 - Beginning Golf

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 150 - Beginning Yoga

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 151 - Beginning Billiards

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 152 - Beginning Handball

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on

participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 154 - Beginning Tai Qi

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 157 - Beginning Martial Arts

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 163 - 5/10 K Race Training

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 164 - Triathlon Training

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 167 - Mountain Biking

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 169 - Beginning Tennis

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 171 - Physical Fitness I

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 172 - Physical Fitness II

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 173 - Beg Fly Fishing/Fly Tying

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 174 - Introduction to Backpacking

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 175 - Fly Fishing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 176 - Fundamentals of Whitewater Rafting

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 177 - Fundamentals of Kayaking

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 178 - Canoeing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 179 - Basic Canoeing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 185 - Multicultural Games

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 186 - Firefighter Conditioning

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 191 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ACT 207 - WC Aerobics

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 215 - AMGA Climbing Wall Instructor

Credits: 1. This course will address the technical skills necessary to manage an instructional program at an indoor climbing wall facility and will address the following general topic areas: instructor roles, responsibilities and professionalism, client orientation and instruction, risk management, lesson planning, teaching basic climbing skills, including movement, teaching lead climbing skills, teaching top-rope and lead belaying techniques, use of available equipment and facility, basic rescue and emergency procedures.

ACT 218 - Ultimate Disc

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 219 - Folf

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 222 - Ski Camp

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 225 - Snow Bowl Ski Area

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 228 - Ski Instructor's Preparation

Credits: 2. Offered spring. Prereq., consent of instr. Open to all students with advanced to expert skiing skills. Techniques of teaching skiing including: skill concepts and contemporary skiing movements; teaching cycle; movement analysis; personal skiing improvement. Prepares student for certification with (PSIA) Professional Ski Instructors of America.

ACT 229 - Snowboard Instructor Prep

Credits: 2. Offered spring. Prereq., consent of instr. Open to students with advanced to expert riding skills. Techniques of teaching snowboarding including: skill concepts and contemporary snowboarding movements; teaching cycle; movement analysis; personal riding improvement. Prepares student for certification with (ASSI) American Association of Snowboard Instructors.

ACT 231 - Pilates - Yoga Fusion

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 232 - Alpine Core Studio

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 233 - Freestone Climbing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 234 - Jazz for Fun & Fitness

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 235 - Belly Dancing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on

participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 237 - Trampoline Aerial Acrobatics

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 250 - Pilates

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 257 - Martial Arts and Self Defense

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 258 - CFM Mixed Martial Arts

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 259 - AAK American Kenpo

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 271 - Swimming for Fitness

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 274 - Scuba Diving

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

ACT 286 - Fencing

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 287 - Strength & Flexibility

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

ACT 291 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Offerings of visiting professors, new courses, or current topics.

ACT 292 - Independent Study

Credits: 1 TO 6. (R-6) Offered every term. Prereq., consent of advisor and instr. Course material appropriate to the needs and objectives of the individual student.

ACT 337 - Aquatic Certifications

Credits: 1 TO 2. (R-4) Offered spring. Prereq., HHP 238 or equivalent certifications. Offered on a rotating basis. Training for Water Safety Instructor, Lifeguard Training Instructor, or Adapted Aquatics Instructor. Red Cross Instructor's Certificate awarded upon successful completion of requirements.

ACT 391 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ACT 490 - Undergraduate Research

Credits: 1 TO 3. (R-6) Offered every term. Prereq., consent of instr. Directed individual research and study appropriate to the background and objectives of the student. Course Attributes: Research & Creative Schlrshp

ACT 491 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

ACT 492 - Independent Study

Credits: 1 TO 3. (R-6) Offered every term. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

ACT 494 - Workshop

Credits: 1 TO 6. (R-6) Offered intermittently. Special courses experimental in nature dealing with a relatively narrow, specialized topic of particular current interest. Credit not allowed toward a graduate degree.

ACT 498 - Internship

Credits: 2 TO 6. (R-6) Offered every term. Prereq. all HHP options minimum junior standing and ECP 120/121 (or equivalent). Prereqs per option. Exercise Science Applied: KIN 320/321. If internship is coaching or strength & conditioning must also have completed KIN 410 and COA 405. Exercise Science Pre-Professional: KIN 320/321. If internship is cardiac rehab must also have completed KIN 460/483/484. Community Health: CHTH 335. Supervised field experiences with private businesses, public agencies, or institutions. 45 hours of internship site

work = 1 credit. A maximum of 6 credits of Internship 498 may count toward graduation. Students should not be registered for more than 14 credits their internship semester. Course Attributes: Internships/Practicums Internship graduation limit 6

ACT 499 - Capstone

Credits: 1 TO 3. (R 6) Offered every term. Prereq., consent of instr. Independent work under the University omnibus option. See index. Course Attributes: Omnibus Course

Activities - Varsity

ACTV 189 - Varsity Athletics

Credits: 1. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website. Course Attributes: PE Activity Skills Course

Allied Hlth: Athletic Training

AHAT 210 - Prevention and Care Athletic Injuries

Credits: 2. Offered autumn and Spring (winter session). Coreq., AHAT 213. Development of knowledge of prevention, assessment, treatment, rehabilitation, emergency care of athletic injuries.

AHAT 213 - Prevention and Care Athletic Injuries Lab

Credits: 1. Coreq., AHAT 210. Development of practical skills in prevention, assessment, treatment, rehabilitation, and emergency care of athletic injuries.

AHAT 292 - Independent Study

Credits: 1 TO 6. (R-6) Offered every term. Prereq., consent of advisor and instr. Course material appropriate to the needs and objectives of the individual student.

AHAT 305 - Techniques Athletic Training

Credits: 1 TO 3. (R-3) Integration into athletic training practice emphasizing risk management, emergency procedures, acute care and athlete care in the preseason.

AHAT 322 - Assessment of LEXT

Credits: 2. Offered autumn. The study and practice of techniques used when assessing athletic injuries to the lower extremities and lumbar spine.

AHAT 323 - Assessment of LEXT Lab

Credits: 1. Offered autumn. The practice of techniques used when assessing athletic injuries to the lower extremities and lumbar spine.

AHAT 324 - Assessment of the Extremities

Credits: 2. Coreq., AHAT 325. The study and practice of techniques used when assessing athletic injuries to the upper and lower extremities, including the spine.

AHAT 325 - Assessment of the Extremities Lab

Credits: 1. Coreq., AHAT 324. The study and practice of techniques used when assessing athletic injuries to upper and lower extremities including the spine.

AHAT 336 - Therapeutic Modalities

Credits: 2. Offered autumn. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries.

AHAT 337 - Therapeutic Modalities Lab

Credits: 1. Offered autumn. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries.

AHAT 340 - Practicum in AT I

Credits: 3. Offered autumn. Introduction to basic clinical experience working in a variety of health care settings.

AHAT 341 - Practicum in AT II

Credits: 3. Offered spring. Basic clinical experience working in a variety of health care settings.

AHAT 342 - Therapeutic Interventions

Credits: 2. Offered spring. Prereq., WRIT 121 or 201. Theories and application methods of interventions such as therapeutic modalities and exercise for athletic injuries. Substantial reading and writing component. Course

Attributes: Writing Course-Advanced

AHAT 343 - Therapeutic Interventions Lab

Credits: 1. Offered spring. Coreq., AHAT 342. Laboratory sessions examining theories and application methods of interventions such as therapeutic modalities and exercise for athletic injuries.

AHAT 411 - Practicum: Adv Pract Ath Tr I

Credits: 3. Offered autumn. Advanced clinical experience in health care settings. Each student manages injuries of a specific sport and performs administrative duties.

AHAT 412 - Adv Pract Athl Trng II

Credits: 3. Offered spring. Advanced clinical experience in health care setting. Each student manages injuries of a specific sport and performs administrative duties.

AHAT 421 - Assmt of Thor and Med in Ath

Credits: 2. Offered autumn. Coreq., AHAT 422. Recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

AHAT 422 - Assmt Thor and Med in Ath lab

Credits: 1. Offered autumn. Coreq., AHAT 421. Laboratory sessions to develop recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

AHAT 468 - Athl Training Org and Admin

Credits: 2. Offered spring online. Exploration of the aspects of athletic training organization and administration.

Topics include program management, personnel management, insurance, risk management, ethics, organization of pre-participation physical examinations, leadership styles, budget planning, equipment/inventory management and athletic training facility design.

AHAT 479 - Topics in Sports Medicine

Credits: 3. Offered spring. Prereq., Junior standing or higher. The etiology and management of sports related injuries/illnesses. Includes: therapeutic use of drugs, pre-participation screening techniques, ergogenic aids, the aging athlete, the sports medicine team concept and current medical treatment of sports injuries.

AHAT 490 - Undergraduate Research

Credits: 1 TO 3. (R-6) Offered every term. Prereq., consent of instr. Directed individual research and study appropriate to the back ground and objectives of the student.

AHAT 492 - Independent Study

Credits: 1 TO 3. (R-6) Offered every term. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

AHAT 498 - Internship

Credits: 2 TO 6. (R-6) Offered every term. Prereq. all HHP options minimum junior standing and ECP 120/121 (or equivalent). Prereqs per option. Exercise Science Applied: KIN 320/321. If internship is coaching or strength & conditioning must also have completed KIN 410 and COA 405. Exercise Science Pre-Professional: KIN 320/321. If internship is cardiac rehab must also have completed KIN 460/483/484. Community Health: CHTH 335. Supervised field experiences with private businesses, public agencies, or institutions. 45 hours of internship site work = 1 credit. A maximum of 6 credits of Internship 498 may count toward graduation. Students should not be registered for more than 14 credits their internship semester. Course Attributes: Internship graduation limit 6

Athletic Training

ATEP 534 - Athletic Training Techniques I

Credits: 3. Prereq., Athletic Training Student. Serves as an introduction to athletic training practice. Emphasis on the prevention, care, and management of acute injuries and illnesses, as well as risk management, environmental concerns, and protective taping and equipment. Level: Graduate

ATEP 535 - Athletic Training Techniques II

Credits: 3. Provides an investigation into the study of evidence based medicine, epidemiology and injury surveillance, cultural competency, and mental health issues. Level: Graduate

ATEP 540 - Practicum in Athletic Training I

Credits: 3. Prereq., Athletic Training Student. Builds on skills previously acquired and introduces new skills related to current coursework. Students will be assigned to a clinical education rotation under the direct supervision of a clinical preceptor. First in the series of four practicum courses. Level: Graduate

ATEP 541 - Practicum in Athletic Training II

Credits: 3. Prereq., Athletic Training Student. Expands on skills previously acquired and introduces new skills related to current coursework. Students will be assigned to a clinical education rotation under the direct supervision of a clinical preceptor. Second in the series of four practicum courses. Level: Graduate

ATEP 542 - Lower Extremity Assessment

Credits: 3. Prereq., Athletic Training Student. Provides a study of anatomy and physiology, assessment, evaluation techniques, treatment, and management of conditions affecting the lower extremities and lumbar spine. Level: Graduate

ATEP 544 - Upper Extremity Assessment

Credits: 3. Prereq., Athletic Training Student. Provides a study of anatomy and physiology, assessment, evaluation techniques, treatment, and management of conditions affecting the upper extremities, head, and thoracic and cervical spine. Level: Graduate

ATEP 546 - General Medical Assessment

Credits: 3. Prereq., Athletic Training Student. Examines the recognition, assessment, and management of general medical conditions and illnesses. Level: Graduate

ATEP 550 - Practicum in Athletic Training III

Credits: 3. Prereq., Athletic Training Student. Broadens skills previously acquired and introduces new skills related to current coursework. Students will be assigned to a clinical education rotation under the direct supervision of a clinical preceptor. Third in the series of four practicum courses. Level: Graduate

ATEP 551 - Practicum in Athletic Training IV

Credits: 3. Prereq., Athletic Training Student. Reviews and refines skills previously acquired and evaluated in previous coursework. Students will be assigned to a clinical education rotation under the direct supervision of a clinical preceptor. Fourth in the series of four practicum courses. Level: Graduate

ATEP 566 - Therapeutic Modalities

Credits: 3. Offered spring. Prereq., ATEP 550. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries. Level: Graduate

ATEP 569 - Clinical Anatomy Laboratory

Credits: 1. Offered Fall. Prereq., Athletic Training Student. Clinical applications of anatomy in Athletic Training. Laboratory time for practical applications including prosected cadavers, surface anatomy, osteology, radiology, functional analysis of movement, applied clinical anatomy and sports application. Level: Graduate

ATEP 572 - Therapeutic Exercise

Credits: 3. Offered spring. Prereq., ATEP 566. Theories and application methods of comprehensive therapeutic exercise programs for athletic injuries. Level: Graduate

ATEP 574 - Manual Therapy Techniques

Credits: 3. Offered summer. Prereq., ATEP 572. Theories and application methods of comprehensive manual therapy for athletic injuries. Level: Graduate

ATEP 578 - Organization & Administration in Athletic Training

Credits: 3. Prereq., Athletic Training Student. Explores leadership, organization, administration, and legal issues in athletic training. Topics include leadership; insurance; ethics; professional development; the planning, organization, operations, and assessment of athletic training programming and facilities. Fiscal and risk management will also be examined. Level: Graduate

ATEP 580 - Pharmacology for Sports Medicine

Credits: 3. Prereq., graduate level student. Explores the pharmaceutical and chemical processes of therapeutic interventions and therapies. This course examines the constraints placed on patients in the performance environment as well management, protocols, and legal issues. Level: Graduate

Biology-Human

BIOH 330 - Anat & Phys Speech Mech

Credits: 3. Offered autumn. Introduction to anatomy and physiology of the speech and hearing mechanisms including the anatomical orientation and embryological development, the breathing mechanism, structures of phonation, articulators, audition and the nervous system.

Curriculum and Instruction

C&I 160 - Lrng Strat Higher Ed

Credits: 1 TO 2. Offered autumn and spring. Instruction and application of college study skills including lecture note taking, time management, reading textbooks, test taking, and critical thinking. Elective credit only. Course Attributes: Study Skills Course

C&I 195 - Special Topics

Credits: 1 TO 5. (R-15) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

C&I 287 - Business Communications

Credits: 3. Offered autumn and spring. Prereq., WRIT 101 College Writing I. Emphasis on consistent and logical approaches to solving communication problems and creating successful communication products. Course Attributes: Writing Course-Intermediate

C&I 295 - Special Topics

Credits: 1 TO 6. (R-6) Offered intermittently. Offerings of visiting professors, new courses, or current topics.

C&I 296 - Independent Study

Credits: 1 TO 6. (R-6) Offered every term. Prereq., consent of advisor and instr.

C&I 298 - Internship

Credits: 1 TO 6. (R-6) Offered intermittently. Prereq., consent of advisor, instructor, and director of field experiences. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation. Course Attributes: Internship graduation limit 6

C&I 341 - Information Management & Design

Credits: 3. Offered spring. Prereq., CSCI 172. Emphasis on the development and maintenance of a file management system, application of effective design concepts in the creation of professional print and digital images and documents, and the creation of digital videos for use in education and/or business.

C&I 394 - Seminar

Credits: 1 TO 9. (R-9) Offered intermittently. Group analysis of problems in specific areas of education.

C&I 395 - Special Topics

Credits: 1 TO 9. (R-9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

C&I 498 - Internship

Credits: 1 TO 6. Offered intermittently. Prereq., consent of chair. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation. Course Attributes: Internship graduation limit 6

C&I 501 - Curriculum Design

Credits: 3. Underlying principles of design, factors affecting implementation, and evaluation and assessment of K-12 curricula at the student and program levels. Level: Graduate

C&I 502 - Philosophy of Education

Credits: 3. Open to graduate level students in Education Leadership, Counseling or Curriculum and Instruction majors. Same as EDLD 502. Major philosophical schools of thought and leading proponents of each. Concepts of society, the educative process, and the role of education. Level: Graduate

C&I 504 - Hist of American Education

Credits: 3. Same as EDLD 504. Exploration of the ideas, individuals, and events that have influenced the curriculum, pedagogy, and operation of the American public school, from colonial America to the present time. Level: Graduate

C&I 506 - Comparative Education

Credits: 3. How the American educational system compares with those in selected other countries. Level: Graduate

C&I 508 - Sociology of Education

Credits: 3. Modern public education as it affects and is affected by religious, economic, and political systems and other social institutions. Level: Graduate

C&I 510 - Adv Educational Psychology

Credits: 3. The exploration of theoretical and empirical issues in psychology (e.g., learning theory and intelligence). Level: Graduate

C&I 514 - Education Across Cultures

Credits: 3. Educational foundations of the study of diversity in American schools. Level: Graduate

C&I 515 - Computer/Tchnlgcl Appl in Educ

Credits: 3. Prereq., a basic computer course or demonstrated computer literacy. Computer systems and other hardware utilizing various software applications by administrators, counselors, librarians, teachers, and students. Level: Graduate

C&I 518 - Inclusion and Collaboration

Credits: 3. Offered autumn even-numbered years; offered summer. Legal and ethical issues involved in the responsible inclusion of all individuals with disabilities through multi-disciplinary and collaborative efforts. Level: Graduate

C&I 519 - Authentic Assessment

Credits: 3. Focus on assessment practices in K-12 classrooms including a wide variety of assessments that meet curricular objectives as well as nationally required standardized exams to meet NCLB mandates. Level: Graduate

C&I 520 - Educational Research