

HEALTH SCIENCES STUDIES, B.S.

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Director of Health Science Studies

Degree Requirements

Degree Requirements - minimum 124 sem. hrs.

- A. Minimum - 36 hrs. advanced/upper level credit total hours
- B. Minimum - 60 semester hours must be earned in residence
- C. After a student achieves senior standing (90 earned credits), all upper division courses (3000 or 4000 level) must be taken in residence (or in a Baylor approved study abroad program).
- D. No course may be taken pass-fail; Courses taken pass/fail will not be eligible for transfer

Transfer students must have a cumulative GPA corresponding to the minimum requirements for each track.

Students who wish to change their major to Health Science Studies after completing course work at Baylor may do so only at the end of a full semester. Students must be eligible to register for BIO 1305 Modern Concepts of Bioscience and BIO 1105 Modern Concepts of Bioscience Laboratory, and CHE 1301 Basic Principles of Modern Chemistry I and CHE 1101 General Chemistry Laboratory I, and have a cumulative GPA corresponding to the minimum requirements for each track:

Program	Cumulative GPA
Pre Medical/Dental	3.2 cumulative GPA
Pre Physician Assistant	3.2 cumulative GPA
Pre Physical Therapy	3.2 cumulative GPA
Pre Athletic Training	3.0 cumulative GPA
Health Professions	3.0 cumulative GPA

Students whose cumulative GPA falls below the minimum requirement in any semester will be placed on probation for one semester. Students whose cumulative GPA falls below the required minimum for their track for a second consecutive semester will be dismissed from the track and must select another major or alternative track for which they do have the minimum cumulative GPA. Students will not be permitted to re-enter a track once dismissed. Students on the Pre Medical/Dental, Pre Physician Assistant, and Pre Physical Therapy tracks who do not successfully complete BIO 1305/1105 and BIO 1306/1106 with a C or better in 2 attempts will be dismissed from their track and must select another major or alternative track for which they do have the minimum cumulative GPA.

Students on the Pre Athletic Training and Health Professions tracks who do not successfully complete BIO 1305/1105 with a C or better in 2 attempts will be dismissed from their track and must select another major.

Pre-Physical Therapy Option

Code	Title	Hours
Requirements		
Minimum Requirement		(124)
Residence Requirement – minimum		(60)

Grade point average – minimum of 3.2 overall.

Basic Requirements

Chapel – two semesters		0
ENG 2310	American Literary Cultures	3
HIS 1300	The United States in Global Perspective	3
PSC 1387	The U.S. Constitution, Its Interpretation, and the American Political Experience	3
REL 1310	The Christian Scriptures	3
REL 1350	The Christian Heritage	3
SOC 1305	Introduction to Sociology	3

Communication and Media Literacy

CSS 1301	Fundamentals of Public Communication	3
or CSS 1302	Speech for Business and Professional Students	

Contemporary Social Issues

PSY 1305	Psychological Science: Understanding Human Behavior	3
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Fine Arts and Performing Arts (One Course)

Select 2-3 hours from the Fine Arts and Performing Arts distribution list.		2-3
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Foreign Languages and Cultures

Select 3 hours from the Foreign Languages and Cultures distribution list.		3
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Formal Reasoning

MTH 1320	Precalculus Mathematics	3
or MTH 1321	Calculus I	

Research, Writing, & Literature

Select 6 hours from the Research, Writing, and Literature distribution list.		6
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Scientific Method I (with Laboratory Experience)

BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
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Scientific Method II

CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
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Lifetime Fitness		3
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Major Requirements

HPR Required Courses

HED 1350	Dimensions of Health Science Studies	3
HP 1420	Human Anatomy	4
HP 2306	Anatomical Kinesiology	3
HP 2307	Biomechanics	3
or HP 2341	Prevention and Care of Athletic Injuries	
HP 2420	Exercise Physiology	4
or NSC 1306 & NSC 1106	Introduction to Neuroscience and Introduction to Neuroscience Laboratory	
HP 4368	Motor Learning and Development	3
or HP 3368	Adapted Human Performance	

Professional Field Experiences

HP 4V79	Internship in Human Performance	3
or HED 4V80	Professional Internship in Health	

Students must have department approval and current First Aid and CPR certification to enroll in this course.

HPR Restricted Electives

Select nine semester hours from the following:	9
PUBH 3320 Stress Management/Mental-Emotional Health	
PUBH 3325 Maternal and Infant Health	
PUBH 4320 Men's Health and Wellness	
PUBH 4321 Human Sexuality	
PUBH 4327 Dying and Death Education	
PUBH 4340 Global Health	
HED 3300 Clinical Skills Training and Assessment	
HP/HED 3311 Essentials of Ethics in Healthcare	
HED 4305 A Biblical Theology of Suffering for Health Care Providers	
HP 3320 Fundamentals of Exercise Biochemistry	
HP 3330 Research Methods and Design in Exercise Science	
HP 3382 Risk Management in HHPR	
HP 4375 Exercise Prescription in Health and Disease	
HP 4352 Exercise and Sport Nutrition	
HP 4354 Techniques of Strength Training and Conditioning	
HP 4384 Qualitative Analysis of Human Movement	
Upper Level Supportive Electives	6
<i>Required Courses in Other Fields</i>	
BIO 1306 Modern Concepts of Bioscience, continued & BIO 1106 and Modern Concepts of Bioscience Laboratory	4
BIO 3322 Human Physiology & BIO 3122 and Human Physiology Lab	4
BIO 4432 General Human Anatomy	4
CHE 1302 Basic Principles of Modern Chemistry II & CHE 1102 and General Chemistry Laboratory II	4
CLA 3381 Medical Terminology	3
NUTR 3314 Consumer Nutrition	3
PHY 1408 General Physics for Natural and Behavioral & PHY 1409 Sciences I and General Physics for Natural and Behavioral Sciences II	8
PUBH 1145 Health and Human Behavior	1
PSY 3321 Abnormal Psychology	3
or PSY 3341 A Survey of Human Development	
Select one course from the following:	3
STA 1380 Elementary Statistics	
STA 2381 Introductory Statistical Methods	
Total Hours	124-125

Pre-Medical/Pre-Dental Option

Code	Title	Hours
Requirements		
Minimum Requirement		(124)
Residence Requirement – minimum		(60)
Grade point average – minimum of 3.2 overall.		
Basic Requirements		
Chapel – two semesters		0
ENG 2310 American Literary Cultures		3

HIS 1300 The United States in Global Perspective	3
PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience	3
REL 1310 The Christian Scriptures	3
REL 1350 The Christian Heritage	3
SOC 1305 Introduction to Sociology	3
<i>Communication and Media Literacy</i>	
CSS 1301 Fundamentals of Public Communication or CSS 1302 Speech for Business and Professional Students	3
<i>Contemporary Social Issues</i>	
PSY 1305 Psychological Science: Understanding Human Behavior	3
<i>Fine Arts and Performing Arts (One Course)</i>	
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.	2-3
<i>Foreign Languages and Cultures</i>	
Select 3 hours from the Foreign Languages and Cultures distribution list.	3
<i>Formal Reasoning</i>	
MTH 1321 Calculus I	3
<i>Research, Writing, & Literature (Two Courses)</i>	
Select 6 hours from the Research, Writing, and Literature distribution list.	6
<i>Scientific Method I (with Laboratory Experience)</i>	
BIO 1305 Modern Concepts of Bioscience & BIO 1105 and Modern Concepts of Bioscience Laboratory	4
<i>Scientific Method II</i>	
CHE 1301 Basic Principles of Modern Chemistry I & CHE 1101 and General Chemistry Laboratory I	4
<i>Lifetime Fitness</i>	
PUBH 1145 Health and Human Behavior	1
Three LF activity courses	3
Major Requirements	
<i>HHPR Required Courses</i>	
HED 1350 Dimensions of Health Science Studies	3
HP 1420 Human Anatomy	4
HP 2306 Anatomical Kinesiology	3
HP 2420 Exercise Physiology	4
<i>Professional Field Experiences</i>	
HP 4V79 Internship in Human Performance or HED 4V80 Professional Internship in Health	3
Must have current First Aid and CPR certification to enroll in these courses.	
<i>Restricted Upper Level Electives</i>	
Select 9-10 semester hours from the following:	9-10
BIO 3429 Comparative Chordate Anatomy	
BIO 4320 Pathophysiology	
BIO 4302 General Microbiology & BIO 4102 and General Microbiology Lab	
BIO 4432 General Human Anatomy	
BUS 3302 Personal Financial Decisions	
CLA 3381 Medical Terminology	
ECO 4350 Economics of Health and Medical Care	

ENT 3315	Starting and Managing a Business	
HED 3300	Clinical Skills Training and Assessment	
HP/HED 3311	Essentials of Ethics in Healthcare	
HED 4305	A Biblical Theology of Suffering for Health Care Providers	
HP 3330	Research Methods and Design in Exercise Science	
MGT 3301	Managing People in Organizations	
MKT 3301	Marketing Concepts	
MH 3342	Medicine, Missions, and the Gospel	
PUBH 3320	Stress Management/Mental-Emotional Health	
PUBH 3325	Maternal and Infant Health	
PUBH 3351	Epidemiology/Vital Statistics	
PUBH 4321	Human Sexuality	
PUBH 4340	Global Health	
Upper Level Supportive Electives		3
<i>Required Courses in Other Fields</i>		
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
BIO 2306	Genetics	3
BIO 3322 & BIO 3122	Human Physiology and Human Physiology Lab	3-4
or PUBH 3350	Human Physiology for Allied Health Professionals	
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 3331	Organic Chemistry I	3
CHE 3238	Organic Chemistry Laboratory	2
CHE 3332	Organic Chemistry II	3
CHE 4341	General Biochemistry	3
NUTR 3314	Consumer Nutrition	3
PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II	8
PUBH 4327	Dying and Death Education	3
PSY 3321	Abnormal Psychology	3
or PSY 3341	A Survey of Human Development	
Select one course from the following:		3
STA 1380	Elementary Statistics	
STA 2381	Introductory Statistical Methods	

Total Hours **124-127**

Health Professions Option

Code	Title	Hours
Requirements		
Minimum Requirement		(124)
Residence Requirement – minimum		(60)
Grade point average – minimum of 3.0 overall.		
Basic Requirements		
Chapel – two semesters		0
ENG 2310	American Literary Cultures	3
HIS 1300	The United States in Global Perspective	3

PSC 1387	The U.S. Constitution, Its Interpretation, and the American Political Experience	3
REL 1310	The Christian Scriptures	3
REL 1350	The Christian Heritage	3
<i>Communication and Media Literacy</i>		
CSS 1301 or CSS 1302	Fundamentals of Public Communication or Speech for Business and Professional Students	3
<i>Contemporary Social Issues</i>		
PSY 1305	Psychological Science: Understanding Human Behavior	3
<i>Fine Arts and Performing Arts (One Course)</i>		
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.		2-3
<i>Foreign Languages and Cultures</i>		
Select 6 hours from the Foreign Languages and Cultures distribution list.		6
<i>Formal Reasoning</i>		
MTH 1320 or MTH 1321	Precalculus Mathematics or Calculus I	3
<i>Research, Writing, & Literature (Two Courses)</i>		
Select 6 hours from the Research, Writing, and Literature distribution list.		6
<i>Scientific Method I (with Laboratory Experience)</i>		
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
<i>Scientific Method II</i>		
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
<i>Lifetime Fitness</i>		
PUBH 1145	Health and Human Behavior	1
Two LF activity courses		2

Major Requirements

<i>HHPR Required Courses</i>		
HED 1350	Dimensions of Health Science Studies	3
HP 1420	Human Anatomy	4
HP 2306	Anatomical Kinesiology	3
HP 2420	Exercise Physiology	4

Restricted Upper Level Electives

Select 9-10 semester hours from the following:		9-10
HED 3300	Clinical Skills Training and Assessment	
HP/HED 3311	Essentials of Ethics in Healthcare	
HED 4305	A Biblical Theology of Suffering for Health Care Providers	
HED 4V80	Professional Internship in Health	
HP 3330	Research Methods and Design in Exercise Science	
HP 3368	Adapted Human Performance	
HP 4352	Exercise and Sport Nutrition	
HP 4450	Exercise Testing and Interpretation I	
HP 4V79	Internship in Human Performance	
NUTR 3314	Consumer Nutrition	
PUBH 3325	Maternal and Infant Health	
PUBH 3320	Stress Management/Mental-Emotional Health	

PUBH 3351	Epidemiology/Vital Statistics	
PUBH 4320	Men's Health and Wellness	
PUBH 4321	Human Sexuality	
PUBH 4340	Global Health	
RLS 4396	Considerations for Diverse Populations in Leisure Programming	
<i>Required Courses in Other Fields</i>		
BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
BIO 3322 & BIO 3122	Human Physiology and Human Physiology Lab	3-4
or PUBH 3350	Human Physiology for Allied Health Professionals	
6 hours of upper-level	supportive electives	6
PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II	8
PUBH 4327 & PUBH 4355	Dying and Death Education and Human Diseases	6
STA 1380	Elementary Statistics	3
or STA 2381	Introductory Statistical Methods	
<i>Minor</i>		
Choose any minor with the exception of BIO or CHE		18-23
Total Hours		124-132

Pre-Athletic Training Option

Code	Title	Hours
Requirements		
Minimum Requirement		(124)
Residence Requirement – minimum		(60)
Grade point average – minimum of 3.0 CGPA overall.		
Basic Requirements		
Chapel – two semesters		0
ENG 2310	American Literary Cultures	3
HIS 1300	The United States in Global Perspective	3
PSC 1387	The U.S. Constitution, Its Interpretation, and the American Political Experience	3
REL 1310	The Christian Scriptures	3
REL 1350	The Christian Heritage	3
<i>Communication and Media Literacy</i>		
CSS 1301	Fundamentals of Public Communication	3
or CSS 1302	Speech for Business and Professional Students	
<i>Contemporary Social Issues</i>		
PSY 1305	Psychological Science: Understanding Human Behavior	3
<i>Fine Arts and Performing Arts (One Course)</i>		
Select one 3 hour course from the Fine Arts and Performing Arts distribution list.		3
<i>Foreign Languages and Cultures</i>		

Select 3 hours from the Foreign Languages and Cultures distribution list. 3

<i>Formal Reasoning</i>		
MTH 1320	Precalculus Mathematics	3
or MTH 1321	Calculus I	
<i>Research, Writing, & Literature (Two Courses)</i>		
ENG 1310	Writing and Academic Inquiry Seminars	3
Three upper level credit hours from the Research, Writing, and Literature distribution list		3
<i>Scientific Method I (with Laboratory Experience)</i>		
BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
<i>Scientific Method II</i>		
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
<i>Lifetime Fitness</i>		
PUBH 1145	Health and Human Behavior	1
Three LF activity courses		3
Major Requirements		
<i>HHPR Required Courses</i>		
HED 1350	Dimensions of Health Science Studies	3
HP 1420	Human Anatomy	4
HP 2306	Anatomical Kinesiology	3
HP 2341	Prevention and Care of Athletic Injuries	3
or HP 2304	Advanced First Aid	
HP 2420	Exercise Physiology	4
HP 3330	Research Methods and Design in Exercise Science	3

<i>Restricted Electives</i>		
Select 9 semester hours from the following:		9
HED 3300	Clinical Skills Training and Assessment	
HP/HED 3311	Essentials of Ethics in Healthcare	
HED 4305	A Biblical Theology of Suffering for Health Care Providers	
HP 3368	Adapted Human Performance	
HP 4352	Exercise and Sport Nutrition	
HP 4354	Techniques of Strength Training and Conditioning	
HP 4368	Motor Learning and Development	
HP 4369	Sports Psychology	
HP 4375	Exercise Prescription in Health and Disease	
HP 4393	Facilities and Equipment in HHPR	
HP 4398	Sports-Related Ethics	
PUBH 3320	Stress Management/Mental-Emotional Health	
PUBH 4320	Men's Health and Wellness	
PUBH 4321	Human Sexuality	
PUBH 4327	Dying and Death Education	

<i>Required Courses in Other Fields</i>		
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4

BIO 2401 & BIO 2402	Human Anatomy and Physiology of Motion and Innervation and Human Anatomy and Physiology of Metabolism and Processing	8
CLA 3381	Medical Terminology	3
NUTR 3314	Consumer Nutrition	3
MGT 3301	Managing People in Organizations	3
PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II	8
STA 1380 or STA 2381	Elementary Statistics Introductory Statistical Methods	3
A maximum of 15 credit hours of coursework (MS level courses) will count towards both degrees. These 15 credit hours include the following MS courses which are already embedded in the 36-credit hour MATR degree (see Graduate catalog).		15
Total Hours		124

A joint 5-year BS/MSAT program in Athletic Training through the Pre-AT track in Health Science Studies is available. Undergraduate students interested in a degree in athletic training need to declare Health Science Studies as their major and follow the curriculum for the Pre-Athletic Training Track. This joint degree program will allow students to obtain two degrees in five years. Undergraduate students can apply for admission into the Master of Athletic Training degree program after the completion of 89 undergraduate hours.

Requirements

To obtain a BS and MATR in the joint degree program, a student must complete all hours in both the undergraduate HSS program and the Master of Athletic Training program. Upon acceptance into the program, students will be eligible to take the graduate level courses.

A maximum of 15 credit hours of coursework (MS level courses) will count towards both degrees. These 15 credit hours include the following MS courses which are already embedded in the 36-credit hour MATR degree (see Graduate catalog).

Code	Title	Hours
HP 5301	Introduction to Patient Care	3
HP 5302	Evaluation and Diagnosis in Athletic Training I	3
HP 5303	Therapeutic Interventions I	3
HP 5379	Research Methods in Health, Human Performance, and Recreation	3
STA 5300	Statistical Methods ¹	3

¹ cross-listed as EDP 5334 Statistical Methods

For more information, contact the Program Director of Athletic Training and/or refer to the Graduate catalog.

Pre-Physician Assistant Option

Code	Title	Hours
Requirements		
Minimum Requirement		(124)
Residence Requirement – minimum		(60)
Grade point average – minimum of 3.2 overall.		

Basic Requirements

Chapel – two semesters		0
ENG 2310	American Literary Cultures	3
HIS 1300	The United States in Global Perspective	3
PSC 1387	The U.S. Constitution, Its Interpretation, and the American Political Experience	3
REL 1310	The Christian Scriptures	3
REL 1350	The Christian Heritage	3
SOC 1305	Introduction to Sociology	3

Communication and Media Literacy

CSS 1301 or CSS 1302	Fundamentals of Public Communication Speech for Business and Professional Students	3
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Contemporary Social Issues

PSY 1305	Psychological Science: Understanding Human Behavior	3
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Fine Arts and Performing Arts (One Course)

Select 3 hours from the Fine Arts and Performing Arts distribution list.	3
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Foreign Languages and Cultures

Select 3 hours from the Foreign Languages and Cultures distribution list.	3
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Formal Reasoning

MTH 1321	Calculus I	3
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Research, Writing, & Literature (Two Courses)

Select 6 hours from the Research, Writing, and Literature distribution list.	6
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Scientific Method I (with Laboratory Experience)

BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
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Scientific Method II

CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
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Lifetime Fitness	4
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Major Requirements

HHPR Required Courses

HED 1350	Dimensions of Health Science Studies	3
HED/HP 3311	Essentials of Ethics in Healthcare	3

Professional Field Experiences

HP 4V79 or HED 4V80	Internship in Human Performance Professional Internship in Health	3
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Student must have departmental approval and current First Aid and CPR certification to enroll in this course.

Restricted Electives

Select six semester hours from the following:	6
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BIO 4320	Pathophysiology	
CHE 4341	General Biochemistry	
HED 4305	A Biblical Theology of Suffering for Health Care Providers	
HED 3300	Clinical Skills Training and Assessment	
SOC 3305	Introduction to Gerontology	
SOC 4353	Sociology of Medicine	
SOC 4393	Sociology of Aging	

PUBH 3320	Stress Management/Mental-Emotional Health	
PUBH 3325	Maternal and Infant Health	
PUBH 4320	Men's Health and Wellness	
PUBH 4321	Human Sexuality	
PUBH 4340	Global Health	
Upper Level Supportive elective		3
<i>Required Courses in Other Fields</i>		
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
BIO 2306	Genetics	3
BIO 3322 & BIO 3122	Human Physiology and Human Physiology Lab	4
BIO 4432	General Human Anatomy	4
BIO 4302 & BIO 4102	General Microbiology and General Microbiology Lab	4
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 3331	Organic Chemistry I	3
CHE 3332 & CHE 3238	Organic Chemistry II and Organic Chemistry Laboratory	5
CLA 3381	Medical Terminology	3
NUTR 3314	Consumer Nutrition	3
PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II	8
PUBH 1145 & PUBH 4327	Health and Human Behavior and Dying and Death Education	4
PSY 3321 or PSY 3341	Abnormal Psychology A Survey of Human Development	3
Select one course from the following:		3
STA 1380	Elementary Statistics	
STA 2381	Introductory Statistical Methods	
Total Hours		124