

## **Objectives**

- Summarize updated personnel qualifications
- Learn how to evaluate personnel transcripts for equivalency
- Understand which documents are needed to evaluate foreign equivalencies
- Review example transcripts



# **Updated Personnel Roles**



- Clarified that laboratory training and experience must:
  - Be obtained in a facility that meets the definition of a laboratory under CLIA
  - Relate to assessment of the health of human beings



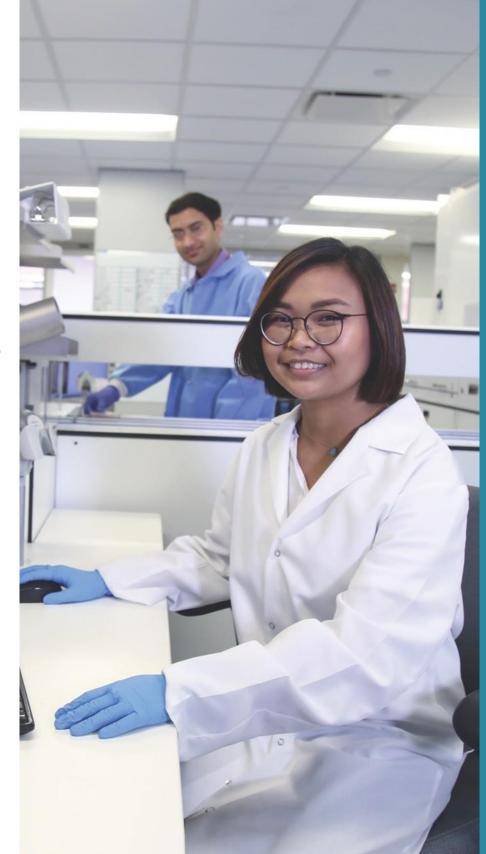
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- Removed physical science as a qualifying degree type



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- Added new educational pathways to evaluate degree equivalency (eg, doctoral, master's, and bachelor's degrees)



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- Removed physical science as a qualifying degree type
- Added new educational pathways to evaluate degree equivalency (eg, doctoral, master's, and bachelor's degrees)
- Provided allowances for individuals qualified and serving in their current role in a CLIA-certified laboratory as of December 28, 2024, to continue to fill that role



### **CLIA Definitions**

# Continuing Education (CE)



Includes either continuing medical education (CME) or continuing education units (CEUs). The CE credit hours required in laboratory director qualifications must cover the applicable laboratory director responsibilities and be obtained prior to qualifying as a laboratory director.

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# Continuing Education (CE)



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# Laboratory training or experience



The training or experience must be obtained in a facility that meets the definition of a laboratory and be applicable to the type and complexity of testing performed. The training or experience must relate to testing of human specimens\* for the purpose of providing information that is used in diagnosing, treating, and monitoring an individual's condition.

Experience in a setting that does not meet the definition of a laboratory, such as the testing of non-human specimens (eg, environmental, animal testing) and research testing where patient-specific results are not reported, may not be used to meet the qualifications.

Table TP1: Testing Personnel Quali	fications (High Complexity)
Minimum Educational Qualifications	Additional Qualifications
MD, DO, or DPM licensed to practice in the jurisdiction in which the laboratory is located (if required) Doctoral, master's, or bachelor's degree in a chemical, biological, clinical or medical laboratory science, or medical technology from an accredited institution	
Associate degree in a laboratory science or medical laboratory technology from an accredited institution	
Equivalent education and training as defined in 42CFR493.1489(b)(3)(ii)  NOTE: A qualifying degree in chemical or biological science from an accredited institution must be related to the health and study of human beings. Degrees which do not clearly meet this qualification must be assessed for the appropriate science courses as described in the equivalent education and training qualifications.	At least 60 semester hours, or equivalent, from an accredited institution that, at a minimum, includes either—  • 24 semester hours of medical laboratory technology courses; or  • 24 semester hours of science courses that include:  • 6 semester hours of chemistry;  • 6 semester hours of biology; and  • 12 semester hours of chemistry, biology, or medical laboratory technology in any combination;  AND  Have laboratory training that includes:  • Completion of a clinical laboratory training program approved or accredited by the ABHES or the CAAHEP (this training may be included in the 60 semester hours listed above); or  • At least 3 months documented laboratory training in each specialty in which the individual performs high complexity testing
Successful completion of at least a 50 week official U.S. military medical laboratory procedures training course	Have held the military enlisted occupational specialty of Medical Laboratory Specialist (Laboratory Technician)
On or before April 24, 1995, be a high school graduate or equivalent  NOTE: This provision only applies to individuals qualified and serving as high	<ul> <li>Have either:</li> <li>Graduated from a medical laboratory or clinical laboratory training program approved or accredited by ABHES, CAHEA, or other organization approved by HHS; or</li> <li>Have documentation of training appropriate for the testing performed before analyzing patient specimens. Such training must ensure that the individual has:</li> </ul>

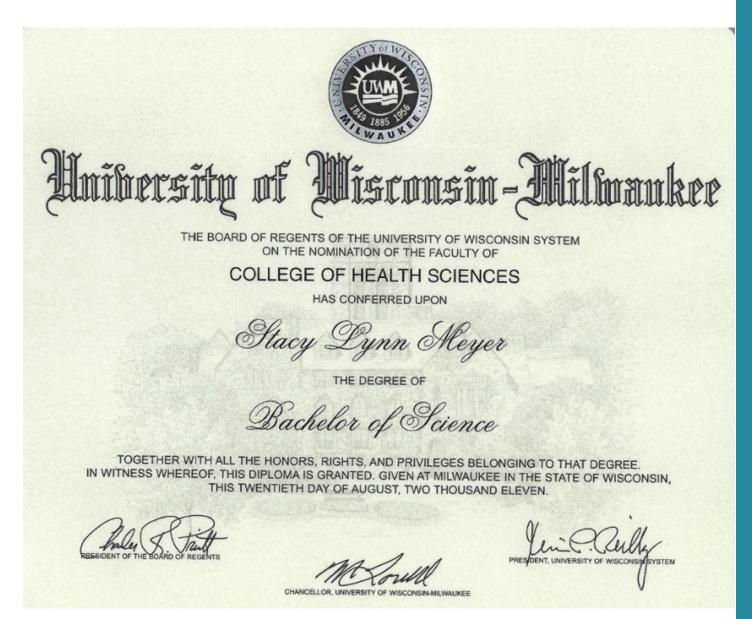
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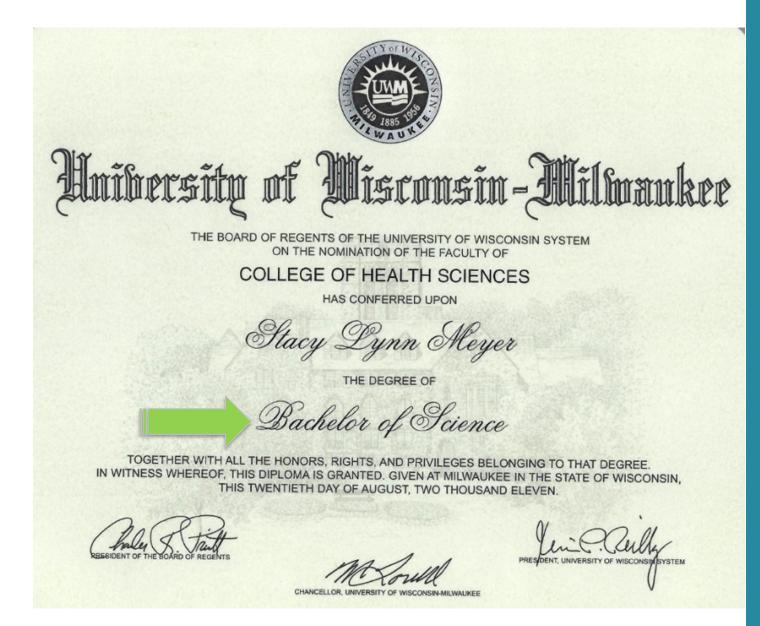
## **Acceptable Records for Education**

- Diploma
  - Not sufficient if program of study is not listed
- Transcripts (can be unofficial)
- Primary Source Verification



## **Acceptable Records for Education**

- Diploma
  - Not sufficient if program of study is not listed
- Transcripts (can be unofficial)
- Primary Source Verification



## **Training and Experience**

#### CALEB FOSTER 456 East 78th Ave | Denver, CO 87654 | 303.555.0113 | caleb@example.com **OBJECTIVE** Check out the few quick tips below to help you get started. To replace any tip text with your own, just select it and start typing. **EXPERIENCE** Chief Human Resources Officer Olson Harris Ltd. | Seattle, WA Feb 20XX - Jan 20XX This is the place for a brief summary of your key responsibilities and most stellar accomplishments. Supervisor - Human Resources Olson Harris Ltd. | Seattle, WA Jul 20XX - Jun 20XX This is the place for a brief summary of your key responsibilities and most stellar accomplishments. **EDUCATION** Human Resources

Glennwood University | Redmond, WA

- Records verifying training and experience:
  - Previous job descriptions
  - Letters from training programs or employers
  - Attestation statements of an individual's training and experience by the LD
  - Log sheet(s) indicating attendance at a training session or in-service
  - Certificates of training sessions, workshops, conferences, and specialty courses

© College of American Pathologists.

Jun 20XX

# **Training and Experience**

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#### Chief Human Resources Officer

PERIENCE

Olson Harris Ltd. | Seattle, WA

Feb 20XX - Jan 20XX

This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

#### Supervisor - Human Resources

Olson Harris Ltd. | Seattle, WA

Jul 20XX - Jun 20XX

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#### EDUCATION

#### Human Resources

Glennwood University | Redmond, WA

Jun 20XX

- Records verifying training and experience:
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  - Log sheet(s) indicating attendance at a training session or in-service
  - Certificates of training sessions, workshops, conferences, and specialty courses

## High Complexity Testing Personnel Qualifications – GEN.54750

#### Minimum qualifications include:

- A bachelor's degree in a chemical, biological, clinical or medical laboratory science, or medical technology; or
- An associate's degree in a laboratory science or medical laboratory technology from an accredited institution; or
- Equivalent education and training that includes:
  - At least 60 semester hours that, at a minimum, includes either:
    - 24 semester hours of medical laboratory technology courses; or
    - 24 semester hours of science as specified in the CLIA regulations and the CAP Personnel Guidance Document

#### o And:

- Completion of a clinical laboratory training program; or
- At least 3 months documented laboratory training in each specialty in which the individual performs high complexity testing

# **Continuously Employed**

- No more than a 6-month break in employment within a 2 year period
- Does not need to be at one organization only



# Biological and Chemical Science Degrees

- Biology
- Chemistry
- Medical Laboratory Science
- Microbiology
- Genetics
- Molecular Biology
- Biochemistry
- Organic Chemistry

#### Milwaukee Area Technical College

The Milwaukee Area Technical College District Board, on the nomination of the faculty, has conferred upon

#### STACY LYNN MEYER

Associate in Applied Science

Clinical Laboratory Technician

Together with the honors, rights, and privileges belonging to that degree. In witness whereof, this diploma is granted at Milwaukee, Wisconsin, on this twenty-eighth day of February, two thousand and seven.

For the Board

So K. Webber

Secretary



For the Faculty

D----!-----

Dean

# Biological and Chemical Science Degrees

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Provisions for evaluating degrees



- Provisions for evaluating degrees
- Utilize the CAP Personnel Guidance document available on e-LAB Solutions Suite



- Provisions for evaluating degrees
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- Perform a transcript evaluation to determine equivalency



- Provisions for evaluating degrees
- Utilize the CAP Personnel Guidance document available on e-LAB Solutions Suite
- Perform a transcript evaluation to determine equivalency
- Evaluate training and experience



**Education Equivalency** 



 Determine test complexity or role and find requirements in the Personnel Guidance Document

Major	College of Health & Pul	olic Aff				,
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- Determine test complexity or role and find requirements in the Personnel Guidance Document
- Do not count failed or withdrawn classes

Major	College of Health Health Sciences -	Pro Clini	HEE)	1100	Ponleh	
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BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L BSC 1011L HSC 2531 CHM 1020 2007 Spring	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB GEMESTER GEN BIOLOGY II GEN BIO II LAB HEDICAL ILAB HEDICAL ILAB SEMESTER CHEM LBRL STUD I Semester		3.00 3.00 3.00 1.00 3.00 1.00	C A B B B B B B B B B B B B B B B B B B	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS  RSA 4702 HEALTH SCI RESEARCH MET  HSC 3110C MED SELF ASSESSMT  HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA  Term  Cumulative for GPA  Spring 2009 (01/07/2009 to 1983 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS
BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L BSC 1011L HSC 2531 CHM 1020 2007 Spring	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB GEMESTER GEN BIOLOGY II GEN BIO II LAB HEDICAL ILAB HEDICAL ILAB SEMESTER CHEM LBRL STUD I Semester		3.00 3.00 3.00 1.00 3.00 1.00	C X A B B A B	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS  HSA 4702 HEALTH SCI RESEARCH MET  HSC 3110C MED SELF ASSESSMT  HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA  Term  Cumulative for GPA  Spring 2009 (01/07/2009 to 1983 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS  ST: Preventative Hea
BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L BSC 1011L HSC 2531 CHM 1020 2007 Spring	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB GEMESTER GEN BIOLOGY II GEN BIO II LAB HEDICAL ILAB HEDICAL ILAB SEMESTER CHEM LBRL STUD I Semester		3.00 3.00 3.00 1.00 3.00 1.00 3.00 3.00	C X A B B A C	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 1) HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Health CARE HSC 4652 HEALTH LAW AND ETHICS
BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L BSC 1011L HSC 2531 CHM 1020 2007 Spring SLS 1501 BSC 2094 BSC 1011L	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB GEMESTER GEN BIOLOGY LI GEN BIO II LAB HEDICAL TERM CHEM LBRL STUD I		3.00 3.00 3.00 1.00 3.00 1.00	C X A B B A B	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term  Cumulative for GPA  Spring 2009 (01/07/2009 to 01/07/2009 to 01
BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L BSC 1011L HSC 2531 CHM 1020 2007 Spring SLS 1501 BSC 2094 BSC 1011L	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATOPHY IAB  CEMESTER GEN BIOLOGY II GEN BIO II LAB HEDICAL TERM CHEM LBRL STUD I  Semester INT ACADEMIC LIFE ANATOPHY II GEN BIO II LAB ANATOPHY II LAB ANATOPHY II LAB		3.00 3.00 3.00 1.00 3.00 1.00 3.00 3.00	C A B B A C B A	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00 4.00 6.00 3.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 1) HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Health CARE HSC 4652 HEALTH LAW AND ETHICS
BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L 2006 Fall S BSC 1011L HSC 2531 CHM 1020 2007 Spring SLS 1501 BSC 2094 BSC 1011L BSC 2094L	Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATOPHY IAB  CEMESTER GEN BIOLOGY II GEN BIO II LAB HEDICAL TERM CHEM LBRL STUD I  Semester INT ACADEMIC LIFE ANATOPHY II GEN BIO II LAB ANATOPHY II LAB ANATOPHY II LAB	Attempt I	3.00 3.00 3.00 1.00 3.00 1.00 3.00 3.00	C R B B B B A C B A	6.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00	Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 01/07/2009 to 01/

- Determine test complexity or role and find requirements in the Personnel Guidance Document
- Do not count failed or withdrawn classes
- Do not count repeated classes twice

Major	College of Health Health Sciences -	& Public Aff	lied Heal	th	External Degrees
Minor	Health Services Ac				Excernar Degrees
		Y			05/05/2007 ASSOCIATE IN 240101
Degree Confer Date	Bachelor of Sci	ence	0		
Major	Health Sciences	- Pre Clinical	· O.		Beginning of
Minor	Health Services	Administration	Minor		Course Title
General Edu	Bachelor of Sci 12/17/2010 Health Sciences Health Services	let	Ŭ,	(S)	Fall 2007 (08/20/2007 to 12
	CLAST Scores			0	CGS 1060C INTRO TO COMPUTER SCIE ECO 2023 PRINCIPLES OF MICROECO
ENGLT:998 E	SSYT:98 MATHT:998 REA	DT:998 Test Dat	e:01/20/20	010	HSC 3593 HIV DISEASE: A HUMAN C HUN 2002 MODERN CONCEPTS IN NUT
	Propertor Credita		Property.		Totals for GPA
	Transfer Credits				Term / Cumulative
					Spring 2008 (01/07/2008 to
Course	Title	Earned	Grde Typ	Points	CHM 2045C CHEMISTRY FUNDAMENTALS
2004 Fall S	emester				DEP 2004 OF VELOPMENTAL PSYCHOLO HSA 3111 U.S. HEALTH CARE SYSTE
	COLLEGE ALGEBRA	3.00	В.	9.00	STA 2014C PRINCIPLES OF STATISTI
	FRESH COMM SKILLS	3.00	C	6.00	Totals for Gth
2005 Spring		34.	_		Term
	PHYSICAL SCIENCE ENGLISH COMP II	3.00	В	9.00	Cumulatove for GPA
		3.00	В .	9.00	Summer 2008 (05/12/2008 to
2005 Fall S					
	US HIST 1492-1365 INTRO PSYCHOLOGY	3.00	В	6.00	CHM 2045C CHEMISTRY FUNDAMENTALS HSC 3147 INTRODUCTION TO PHARMA
	PRECALC ALGEBRA	3.00	_	9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH
	INTR COMPUTERS	3.00	W		HSC 4500 EPIDEMIOLOGY
2006 Spring	Semester	14.8 Sec. 1		1.	Totals for GPA
	US RIST	3.00	B	9.00	Term
BSC 1005L		1.00		4.00	Cumulative for GPA
	BIOLOGICAL SCI INTRO SOCIOLOGY	3.00	В	9.00	n n n
	REASON EVALUE	3.00	A .	9.00	Term Honors: Dean's List
2006 Summer	Semester	<u>.                                    </u>	n n		Fall 2008 (08/25/2008 to 12
	BIOLOGY	3.00	C	6.00	CHM 2046 CHEMISTRY FUNDAMENTALS
	HUMANITIES-PHILOSOPH	3.00	λ	12.00	HSA 4702 HEALTH SCI RESEARCH ME
	GEN BIO I LAB	1.00		4.00	HSC 3110C MED SELF ASSESSMT
	ANATEPHY I	3.00		9.00	HSC 4555 PATHOPHYSIOLOGIC MECHAI
BSC 2093L	ANATEPHY LAB	1.00	В	3.00	Totals for GPA
2006 Fall Se	emester				Term
BCC 1011	CEN BIOLOGY IZ	7 2 00		6.00	Cumulative for GPA
	GEN BIO II LAB		W	.,,,	
H2C 5231 1		3.00	^	12.00	Spring 2009 (01/07/2009 to
CHM 1020 (	CHEM LBRL STUD I	3.00	B	9.00	HSA 3430 HEALTH CARE ECONOMICS
2007 Spring					HSC 3930 SPECIAL TOPICS
SLS 1501	INT ACADEMIC LIFE	1.00	A.	4.00	ST: Preventative Hea
BSC 2094 /	ANAT&PHY II GEN BIO II LAB	3.00	C	6.00	HSC 4652 HEALTH LAW AND ETHICS
	GEN BIO II LAB	1.00	B	4.00	MCB 2004C MICRO FOR HEALTH
					Totals for GPA
School Total	LS	Attempt Earned	Points	GPA	Term Cumulative for GPA
		60.00 60.00	178.00	2.967	

- Determine test complexity or role and find requirements in the **Personnel Guidance Document**
- Do not count failed or withdrawn classes
- Do not count repeated classes twice
- Count credits as hours
  - Convert quarter hours to semester hours by dividing by 1.5

	Collows of Health	5 Dub 3 4 - 3				l'
Major	College of Health Health Sciences -	& Public A	Er.		3.0	1
Minor	Health Services A	drinictrati	STATE	Tied Hea	ith .	External Degrees
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			5 . Y	75. ·		05/05/2007 ASSOCIATE IN
				0		240101
Degree	Bachelor of Sc	ience		0		240101
Confer Dat	e 12/17/2010			-		Beginning of
Major	Health Science	s - Pre Cli	nical			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Minor	Health Service	s Administr	ation	Minor		Course Title
	Health Science Health Service	26			11:	
Canaral Ed	ucation Requirements	Mak		2.5.1	6	Fall 2007 (08/20/2007 to 12
General Ed	deacion Requirements	wer			Com	460 10600 Yunno no concurre
	CLAST Scores					CGS 1060C INTRO TO COMPUTER SCIE ECO 2023 PRINCIPLES OF MICROECO
					( · ·	HSC 3593 HIV DISEASE: A HUMAN C
ENGLT:998	ESSYT:98 MATHT:998 REA	ADT:998 Tes	t Date	:01/20/	2010	HUN 2002 MODERN CONCEPTS IN NUT
						The most mount concerts in no.
		A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Totals for GPA
	Transfer edits			31.7		Term / Cumulative
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						Spring 2008 (01/07/2008 to
Caurea	76.43					9/
Course	Titl	Ea	rned	Grde Typ	Points	CHM 2045C CHEMISTRY FUNDAMENTALS
2004 Fall	Samastar					DEP 2004 OZVELOPMENTAL PSYCHOLO
MAC 1105	COLLEGE ALGEBRA		3.00		0.00	HSA 3111 U.S. HEALTH CARE SYSTE
ENC 1101	FRESH COMM SKILLS		3.00	C	6.00	STA 2014C PRINCIPLES OF STATISTIC
2101	theon com shipps	1. 12	3.00		6.00	Totals for GEA
2005 Sprin	g Semester	2.00			1.00	Term
PRY 1025			3.00	В	9.00	Cumulator for GPA
ENC 1102	ENGLISH COMP II		3.00	В .	9.00	001101101101101101101101101101101101101
		5 1 1 1	9 5	· .		Summer 2008 (05/1/27/2008 to
2005 Fall	Semester					3
AMH 2010	US HIST 1492-1365		3.00	C ·	6.00	CHM 2045C CHEMISTRY FUNDAMENTALS
			3.00	•	0.00	CHA TOACC CUTWICINI TOMONDENING
PSY 2012	INTRO PSYCHOLOGY		3.00	В	9.00	HSC 3147 INTRODUCTION TO PHARMA
PSY 2012 MAC 1140	INTRO PSYCHOLOGY PRECALC ALGEBRA		3.00	3		HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH
PSY 2012	INTRO PSYCHOLOGY		3.00	В .	9.00	HSC 3147 INTRODUCTION TO PHARMA
PSY 2012 MAC 1140 CGS 1100	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS		3.00	3	9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY
PSY 2012 MAC 1140 CGS 1100 2006 Sprin	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS g Semester		3.00 3.00 3.00	3 W	9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  g Semester US HIST		3.00 3.00 3.00	B B W	9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  g Semester US HIST BIOL SCI LAB		3.00 3.00 3.00	B W B	9.00 9.00 9.00 4.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  g Semester US HIST BIOL SCI LAB BIOLOGICAL SCI		3.00 3.00 3.00 3.00	B W B	9.00 9.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term  Cumulative for GPA
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  g Semester US HIST BIOL SCI LAB		3.00 3.00 3.00	B W B	9.00 9.00 9.00 4.00 9.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY		3.00 3.00 3.00 3.00 3.00 3.00	B B N B B	9.00 9.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE		3.00 3.00 3.00 3.00 3.00 3.00	B B N B B	9.00 9.00 9.00 4.00 9.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term  Cumulative for GPA
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010 2006 Summer BSC 1010	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE		3.00 3.00 3.00 3.00 3.00 3.00	B B N B B	9.00 9.00 9.00 4.00 9.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010 2006 Summer BSC 1010 HUM 1533	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON (VALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH		3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B	9.00 9.00 4.00 9.00 9.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010 2006 Summer BSC 1010 HUM 1533 BSC 1010L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B N B B A	9.00 9.00 4.00 9.00 9.00 12.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12,  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATOPHY I		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A A	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12, CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET
PSY 2012 MAC 1140 CGS 1100 2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010 2006 Summer BSC 1010 HUM 1533 BSC 1010L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A A	9.00 9.00 4.00 9.00 9.00 12.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  g Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  r Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A A	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12, CRM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN Totals for GPA
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 1	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATSPHY LAB Semester		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A A	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MEI HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN Totals for GPA Term
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON ¢VALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATGPHY LAB  Semester CEN BIOLOGY II		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12, CRM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN Totals for GPA
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093 L 2006 Fall 1 BSC 1011L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB  Semester CEN BIOLOGY II GEN BIO II LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH ME: HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB  Semester CEN BIOLOGY II GEN BIO II LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A C A A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MEI HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN Totals for GPA Term
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093L  2006 Fall 1 BSC 1011L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON &VALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB  Semester CEN BIOLOGY II GEN BIO II LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12.  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH ME: HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA Spring 2009 (01/07/2009 to
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB  Semester CEN BIOLOGY GEN BIO II LAB HEDICAL TERM CHEM LBRL STUD I		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A C A A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12.  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH ME: HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA Spring 2009 (01/07/2009 to
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005L SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3 BSC 1011L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB  Semester CEN BIOLOGY GEN BIO II LAB HEDICAL TERM CHEM LBRL STUD I		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A C A A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12.  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH ME: HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA Spring 2009 (01/07/2009 to 188A 3430 HEALTH CARE ECONOMICS
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3 BSC 1011L BSC 1011L BSC 1011L BSC 2093 CHM 1020  2007 Spring	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON (VALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATOPHY I ANATOPHY LAB  Semester CEN BIOLOGY GEN BIO II LAB HEDICAL TIEN CHEM LBRL STUD I G Semester		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00 6.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12.  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN Totals for GPA Term Cumulative for GPA Term Cumulative for GPA Spring 2009 (01/07/2009 to HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Healts HSC 4652 HEALTH LAW AND ETHICS
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3 BSC 1011L BSC 1011L BSC 1011L BSC 2094 BSC 2094 BSC 1011L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON (VALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATOPHY I ANATOPHY LAB  Semester CEN BIOLOGY II GEN BIO II LAB MEDICAL TEN CHEM LBRL STUD I J Semester INT ACADEMIC LIFE		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A C A B B	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 9.00 3.00 4.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List Fall 2008 (08/25/2008 to 12,  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH ME: HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 1) HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Hea
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005L SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3 BSC 1011L BSC 1011L BSC 1011L BSC 1011L BSC 2094	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US RIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  C Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY I ANATEPHY LAB  Semester CEN BIOLOGY II GEN BIO II LAB MEDICAL TEN CHEM LBRL STUD I J Semester INT ACADEMIC LIFE ANATEPHY II		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B A B B A C A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00 6.00 12.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA  Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12.  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Hea HSC 4652 HEALTH LAW AND ETHICS MCB 2004C MICRO FOR HEALTH
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summe BSC 1010 HUM 1533 BSC 1010L BSC 2093 L 2006 Fall 3 BSC 1011L BSC 1011L BSC 2091 BSC 1011L BSC 2094 BSC 2094L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB  Semester CEN BIOLOGY YI GEN BIO II LAB HEDICAL TENM CHEM LBRL STUD I  J Semester INT ACADEMIC LIFE ANATEPHY II GEN BIO II LAB ANATEPHY II ANATEPHY II LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B B B B A C C A B B	9.00 9.00 4.00 9.00 9.00 12.00 4.00 9.00 3.00 4.00 9.00 4.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA  Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MEI HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 188A 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Hea HSC 4652 HEALTH LAW AND ETHICS MCB 2004C MICRO FOR HEALTH  Totals for GPA
PSY 2012 MAC 1140 CGS 1100  2006 Sprin AMH 2020 BSC 1005L BSC 1005 SYG 2000 PHI 1010  2006 Summer BSC 1010 HUM 1533 BSC 1010L BSC 2093 BSC 2093L  2006 Fall 3 BSC 1011L MSC 2093 CHM 1020  2007 Spring SLS 1501 BSC 2094 BSC 1011L	INTRO PSYCHOLOGY PRECALC ALGEBRA INTR COMPUTERS  G Semester US HIST BIOL SCI LAB BIOLOGICAL SCI INTRO SOCIOLOGY REASON EVALUE  F Semester BIOLOGY HUMANITIES-PHILOSOPH GEN BIO I LAB ANATEPHY LAB  Semester CEN BIOLOGY YI GEN BIO II LAB HEDICAL TENM CHEM LBRL STUD I  J Semester INT ACADEMIC LIFE ANATEPHY II GEN BIO II LAB ANATEPHY II ANATEPHY II LAB		3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	B B B B B A C C A B B	9.00 9.00 4.00 9.00 9.00 12.00 6.00 12.00 9.00 3.00 4.00 9.00 4.00 9.00	HSC 3147 INTRODUCTION TO PHARMA HSC 4201 COMMUNITY HEALTH HSC 4500 EPIDEMIOLOGY  Totals for GPA Term Cumulative for GPA Term Honors: Dean's List  Fall 2008 (08/25/2008 to 12  CHM 2046 CHEMISTRY FUNDAMENTALS HSA 4702 HEALTH SCI RESEARCH MET HSC 3110C MED SELF ASSESSMT HSC 4555 PATHOPHYSIOLOGIC MECHAN  Totals for GPA Term Cumulative for GPA  Spring 2009 (01/07/2009 to 1) HSA 3430 HEALTH CARE ECONOMICS HSC 3930 SPECIAL TOPICS ST: Preventative Hea HSC 4652 HEALTH LAW AND ETHICS MCB 2004C MICRO FOR HEALTH  Totals for GPA Term
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# How to Evaluate "Other" Degrees Cont'd

1

2

3

4

Review course name/ title

Review course description if needed

Course "Prefix" may not agree

 example PEP 200 = Physical Education course but the title is Anatomy and Physiology Gather ALL transcripts

# **Examples of Unacceptable Courses**



Psychology Sociology



Nutrition Food Science Agriculture



Physical Science Physics



Non-human based biology Marine Biology

# **Equivalency Evaluations for Foreign Education**

 Credentials for all personnel educated outside the US (or US Territories) must be evaluated

# **Equivalency Evaluations for Foreign Education**

- Credentials for all personnel educated outside the US (or US Territories) must be evaluated
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- Language translations of transcripts are not acceptable

## **Accreditation Resources**

- "Other" degrees require transcript evaluation
- ELSS Accreditation Resources –
   Templates Personnel
  - Tipsheets for qualification review
  - Transcript review forms for documenting education equivalency

#### Personnel Templates

#### Template: Director Review of High Complexity Testing Personnel Qualifications (Word)

Resource for GEN.54400; educational qualifications; high complexity testing; evaulation

#### Template: Director Review of Moderately Complex Testing Personnel Qualifications (Word)

Resource for GEN.54400; educational qualifications; moderate complexity testing; evaulation

#### Template: Cytopathology Workload Reporting (PDF)

Resource for CYP.08400, CYP.08450, CYP.08500, CYP.08550, CYP.08575

#### Template: Employee Authorized Testing form (Word)

Reference for GEN.54400

#### Template: Individual Maximum Workload Assessment (Excel)

CYP.08575; Individual Maximum Workload; Workload Limit; Maximum Workload Limit

#### Template: Personnel File Checklist (Word)

Personnel records, Personnel file, GEN.54400.

#### Template: Personnel Records Checklist example (Word)

Resource for GEN.54400; Personnel Records

#### Template: Primary Screener Workload Recording (Excel)

Workload Reporting; CYP.08500; Manual Screening; Primary Screening

#### Template: Tip Sheet for Qualification Review (PDF)

Tip sheet for reviewing qualifications for TS, TC, GS and testing personnel. GEN.53400, GEN.53600, GEN.53625, GEN.54400, GEN.54750, GEN.55510, GEN.54025

#### Template: Transcript Evaluation completed example (Word)

Resource for GEN.54400; personnel qualifications; college credits

### **Accreditation Resources**

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  - Tipsheets for qualification review
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### Template: Transcript Evaluation completed example (Word)

Resource for GEN.54400; personnel qualifications; college credits

### College or University Transcript Education Evaluation Form

Name of Laboratory:				
Employee name:	Date of employment:			
Date(s) attended:				
Degree awarded (associates, bachelors, includ	e field of study):			
Total number of semester hours/credits:				

Course	Course	Credits/	Credits/	Credits/
number	name	Hours	Hours	Hours
		Chemistry	Biology	Medical
				Laboratory
				Science

## **Tips for Reviewing Transcripts**



## Was a degree awarded?

#### UCF Degrees Awarded

Degree Bachelor of Science Confer Date 12/17/2010

Confer Date 12/17/2010

Major Health Sciences - Pre Clinical Minor Health Services Administration Minor

General Education Requirements Met

\_ CTSCB CAARAA

## Does this school count semesters or quarters?

#### TRANSCRIPT EXPLANATION

Registrar's Office Southern Illinois University Carbondale, IL 62901-4701 www.registrar.siu.edu

Students initially enrolled for the Fall Semester of 1990 and thereafter have all of their academic work printed from a database. All academic work prior to the Fall Semester of 1990 is produced by photocopying the student's hard record card. Some students will have a divided record with both the database generated transcript and the photocopy.

#### GRADING SYMBOLS

A	-Excellent
В	-Good
C	-Satisfactory (Undergraduate) Conditional (Graduate)
D	-Poor (Undergraduate) Not Satisfactory (Graduate)
E	-Failure (Used before 1978)
F	-Failure
F P	-Pass (Only for Pass/Fail classes; not calculated in GPA)
CR	-Credit
IP	-In progress
PR	-Work in progress (See undergraduate catalog for explanation)
W	-Authorized withdrawal
WMS	-Withdrawal for military service
WF	<ul> <li>-Unauthorized withdrawal (Counted the same as F for undergraduate academic retention purposes and GPA)</li> </ul>
WP	<ul> <li>-Authorized withdrawal with passing grade (Work may not be completed; not counted in GPA)</li> </ul>
WU	<ul> <li>-Unauthorized withdrawal (Graduate courses only; not counted in GPA)</li> </ul>
INC	-Incomplete (Time allowed for completion dependent upon several factors: please refer to the undergraduate and/or

#### ACCREDITATION

Southern Illinois University is accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools

#### UNIVERSITY CREDIT

SIU converted to the semester hour system the Fall Semester of 1974. One semester hour is equivalent to 1 ½ quarter hours.

From 1930 through the Summer Semester of 1974, SIU used the quarter hour system. One quarter hour is equivalent to 2/3 of a semester hour.

Prior to 1930, SIU used the term credit system. One term credit is equivalent to 2 ½ semester hours or 3 ¾ quarter hours.

Some hours may be in parentheses, indicating that the credit may not be counted in fulfillment of degree requirements at this university.

A student registered as unclassified is not working toward a degree at this university.

#### GRADUATION

Degrees are awarded at the end of Fall, Spring, and Summer semesters. Two graduation ceremonies are held annually (Fall and Spring). A minimum of 120 semester hours is required for a bachelor's degree.

#### TRANSFER CREDIT

SIU transcripts for undergraduate students will show the hours and GPA accepted from the prior institution. Transfer work for Graduate School students will show the grade accepted with the prefix GT (Graduate transfer; Example: GTA, GTB, etc.).

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#### SOUTHERN ILLINOIS UNIVERSITY SCHOOL OF LAW

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Graduate)

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WMS -Withdrawal for military service

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undergraduate academic retention purposes and GPA)

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#### SOUTHERN ILLINOIS UNIVERSITY SCHOOL OF LAW

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### Were credits awarded?

		3	semester			
Course	Course Name	End Date	Credits	Grade	QP	j
GS201	Psychology		4	X	0.00	-
VT105	Fundamentals of Chemistry		2	Х	0.00	
		Term	6	0.00	0.00	

Summer 2015 Credit Courses

MAC 1114 College Trigonometry 3.00 W 0.00

Ehrs: 0.00 GPA-Hrs: 0.00 QPts: 0.00 GPA: 0.00

### Were credits awarded?

		5	emester			
Course	Course Name	End Date	Credits	Grade	QP	j
GS201	Psychology		4	X	0.00	•
VT105	Fundamentals of Chemistry		2	Х	0.00	
		Term	6	0.00	0.00	

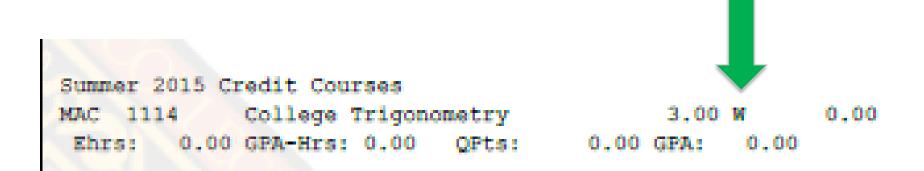
Summer 2015 Credit Courses

MAC 1114 College Trigonometry 3.00 W 0.00

Ehrs: 0.00 GPA-Hrs: 0.00 QPts: 0.00 GPA: 0.00

### Were credits awarded?

		34	suue ster			
Course	Course Name	End Date	Credits	Grade	QP	į
GS201	Psychology		4	X	0.00	-
VT105	Fundamentals of Chemistry		2	Х	0.00	
		Term	6	0.00	0.00	



## Qualification Examples

## **Transcript 1**



### OFFICIAL TRANSCRIPT OF RECORD

First Semester 2008-2009

PHYSICAL EDUCATION

ORGANIC CHEMISTRY

Summer 2008-2009

BIOCHEMISTRY

Second Semester 2008-2009

PRIMARY HEALTH CARE II WITH RLE

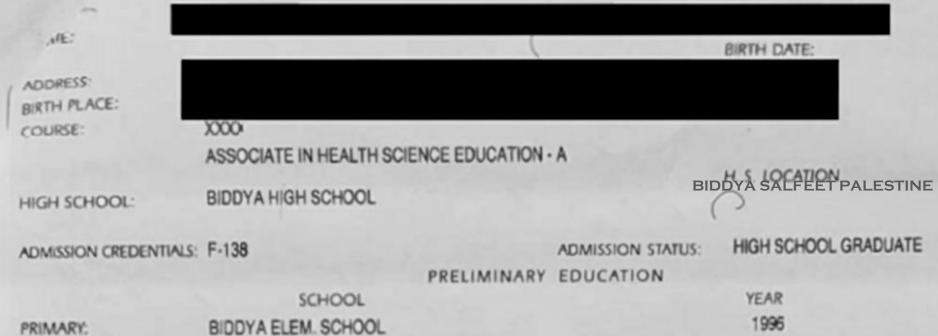
RIZAL'S LIFE, WORKS AND WRITINGS

PRIMARY HEALTH CARE 1 WITH PLE

ANATOMY AND PHYSIOLOGY (HUMAN STRUC. BIO)

POLITICS AND GOVERNANCE WITH THE NEW CONSTITUTION

UTTILL OF THE THE THE THE





HS12Y

HSA2Y

P4A2Y

S4A1Y

CHEM 23

HS22Y

RIZAL

CHEM 24

	SUBJECTS TAKEN	Π FINAL Π	UNIT
SECONDARY:	BIDDYA HIGH SCHOOL	2006	-
INTERMEDIATE:	BIDDYA ELEM. SCHOOL	2000	1
PRIMARY:	BIDDYA ELEM. SCHOOL	1996	
	SCHOOL	YEAR	
	PRELIMIN	ARY EDUCATION	

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**EARNED** 

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3.0

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5.0

GRADE

3.00

1.75

1.00

1,00

2.25

3.00

3.00

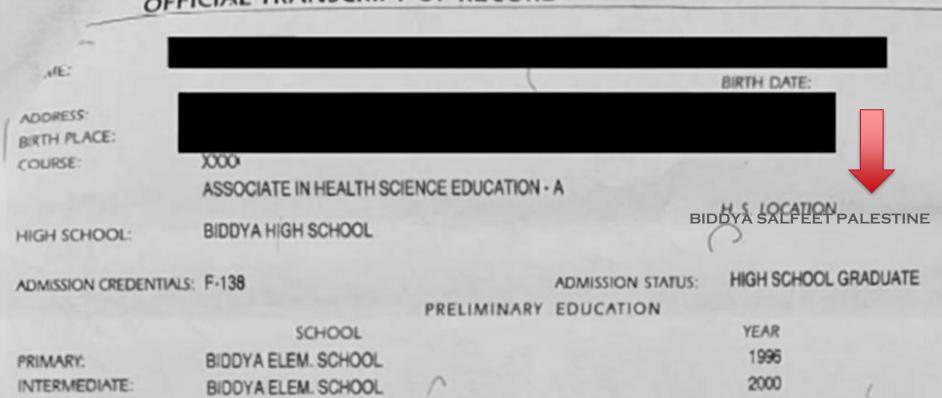
2.00



### OFFICIAL TRANSCRIPT OF RECORD

BIDDYA HIGH SCHOOL

UTTILL OF THE HE STEET





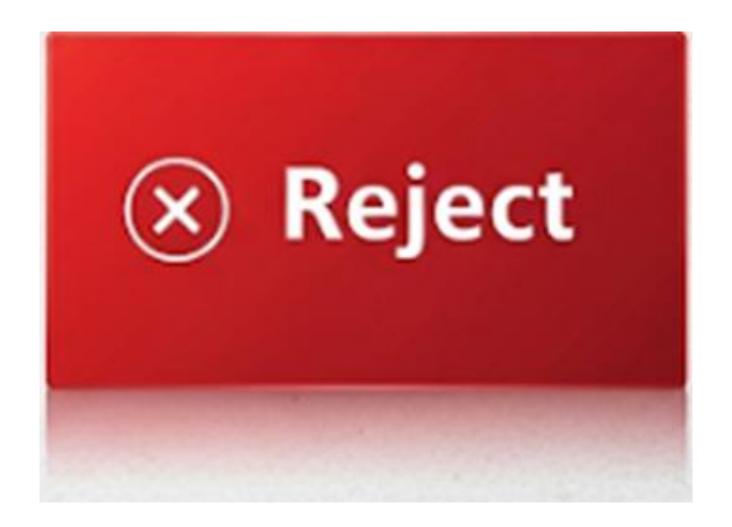


SECONDARY:

	SUBJECTS TAKEN	FINAL	UNIT
	First Semester 2008-2009	3.00	7.0
HS12Y HSA2Y	PRIMARY HEALTH CARE 1 WITH RLE  ANATOMY AND PHYSIOLOGY (HUMAN STRUC. BIO)	1.75	5.0
P4A2Y	PHYSICAL EDUCATION	1.00	20
SAA1Y	POLITICS AND GOVERNANCE WITH THE NEW CONSTITUTION	1,00	3.0
CHEM 23	Second Semester 2008-2009  ORGANIC CHEMISTRY	2.25	5.0
HS22Y	PRIMARY HEALTH CARE II WITH PLE	3.00	5.0
RIZAL	RIZAL'S LIFE, WORKS AND WRITINGS	3.00	3.0
CHEM 24	Summer 2008-2009 BIOCHEMISTRY	2.00	5.0

2006

- Needs a foreign equivalency
  - High School in Palestine



## **Qualification Examples**

## **Transcript 2**



DATE: December 12, 2023 REF: 1632274313-US-YC-Em-DOC

COUNTRY: Pakistan

#### **EVALUATION TYPE**

Employment Report

#### ANALYSIS METHODOLOGY

· Year-count, as described in the Statement of Evaluation section

#### US EQUIVALENCY

· Bachelor of Science degree in Biochemistry

#### COUNTRY OVERVIEW

Primary education in Pakistan currently has a duration of eight years followed by a two-year lower and two-year upper secondary sequence. At the end of Year 12, students receive the Higher Secondary Certificate, Higher Secondary School Certificate, Intermediate Certificate, or an equivalent qualification. The first undergraduate university degree is the bachelor's degree; the length of this program varies from two to four years.

#### **EVALUATION**

Credential 1 Diploma in Medical Laboratory Technology

Authentication: Original records verified by IEE

Country: Pakistan

Admission requirement: Higher Secondary Certificate (equivalent to the US high school diploma)

Program duration: 2 years
Period of study: 2003–2005
Program completion: 2006

Field(s) of study: Medical laboratory technology
Issuing institution: United Christian Hospital

Institution status: Unaccredited

US equivalency: 2 years of credited from an unaccredited institution

Additional notes: This institution is not recognized or overseen by the government agency

tasked with ensuring quality and regulating education in Pakistan; therefore, IEE considers it unaccredited. US colleges, universities, licensing boards and employers may exercise their own judgment regarding accepting this

qualification.

Credential 2 Bachelor of Science

Authentication: Original records verified by IEE

Country: Pakistan





- Technical Supervisors in specialties, the minimum education required is:
  - A bachelor's degree in a chemical, biological, clinical or medical laboratory science, or medical technology, or
  - A bachelor's degree with at least 48 hours of science courses that includes:
    - 12 hours of chemistry
    - 12 hours of biology
    - 24 hours of a combination of biology and chemistry
  - AND at least 4 years of experience/ training in the specialty

DATE: December 12, 2023

REF: 1632274313-US-YC-Em-DOC

COUNTRY: Pakistan

#### **EVALUATION TYPE**

Employment Report

#### ANALYSIS METHODOLOGY

· Year-count, as described in the Statement of Evaluation section

#### US EQUIVALENCY

· Bachelor of Science degree in Biochemistry

#### COUNTRY OVERVIEW

Primary education in Pakistan currently has a duration of eight years followed by a two-year lower and two-year upper secondary sequence. At the end of Year 12, students receive the Higher Secondary Certificate, Higher Secondary School Certificate, Intermediate Certificate, or an equivalent qualification. The first undergraduate university degree is the bachelor's degree; the length of this program varies from two to four years.

#### **EVALUATION**

Credential 1 Diploma in Medical Laboratory Technology

Authentication: Original records verified by IEE

Country: Pakistan

Admission requirement: Higher Secondary Certificate (equivalent to the US high school diploma)

Program duration: 2 years
Period of study: 2003–2005
Program completion: 2006

Field(s) of study: Medical laboratory technology Issuing institution: United Christian Hospital

Institution status: Unaccredited

US equivalency: 2 years of credited from an unaccredited institution

Additional notes: This institution is not recognized or overseen by the government agency

tasked with ensuring quality and regulating education in Pakistan; therefore, IEE considers it unaccredited. US colleges, universities, licensing boards and employers may exercise their own judgment regarding accepting this

qualification.

Credential 2 Bachelor of Science

Authentication: Original records verified by IEE

Country: Pakistan

- Technical Supervisors in specialties, the minimum education required is:
  - A bachelor's degree in a chemical, biological, clinical or medical laboratory science, or medical technology, or
  - A bachelor's degree with at least 48 hours of science courses that includes:
    - 12 hours of chemistry
    - 12 hours of biology
    - 24 hours of a combination of biology and chemistry
  - AND at least 4 years of experience/ training in the specialty

DATE: December 12, 2023

REF: 1632274313-US-YC-Em-DOC

COUNTRY: Pakistan

# 1

#### **EVALUATION TYPE**

· Employment Report

#### ANALYSIS METHODOLOGY

· Year-count, as described in the Statement of Evaluation section

#### US EQUIVALENCY

· Bachelor of Science degree in Biochemistry



Primary education in Pakistan currently has a duration of eight years followed by a two-year lower and two-year upper secondary sequence. At the end of Year 12, students receive the Higher Secondary Certificate, Higher Secondary School Certificate, Intermediate Certificate, or an equivalent qualification. The first undergraduate university degree is the bachelor's degree; the length of this program varies from two to four years.

**EVALUATION** 

Credential 1 Diploma in Medical Laboratory Technology

Authentication: Original records verified by IEE

Country: Pakistan

Admission requirement: Higher Secondary Certificate (equivalent to the US high school diploma)

Program duration: 2 years
Period of study: 2003–2005
Program completion: 2006

Field(s) of study: Medical laboratory technology
Issuing institution: United Christian Hospital

Institution status: Unaccredited

US equivalency: 2 years of credited from an unaccredited institution

Additional notes: This institution is not recognized or overseen by the government agency

tasked with ensuring quality and regulating education in Pakistan; therefore, IEE considers it unaccredited. US colleges, universities, licensing boards and employers may exercise their own judgment regarding accepting this

qualification.

Credential 2 Bachelor of Science

Authentication: Original records verified by IEE

Country: Pakistan

- Technical Supervisors in specialties, the minimum education required is:
  - A bachelor's degree in a chemical, biological, clinical or medical laboratory science, or medical technology, or
  - A bachelor's degree with at least 48 hours of science courses that includes:
    - 12 hours of chemistry
    - 12 hours of biology
    - 24 hours of a combination of biology and chemistry
  - AND at least 4 years of experience/ training in the specialty

DATE: December 12, 2023

REF: 1632274313-US-YC-Em-DOC COUNTRY: Pakistan

#### EVALUATION TYPE

· Employment Report

#### ANALYSIS METHODOLOGY

Year count, as described in the Statement of Evaluation section

#### US EQUIVALENCY

· Bachelor of Science degree in Biochemistry

# **⊘** Accept

#### COUNTRY OVERVIEW

Primary education in Pakistan currently has a duration of eight years followed by a two-year lower and two-year upper secondary sequence. At the end of Year 12, students receive the Higher Secondary Certificate, Higher Secondary School Certificate, Intermediate Certificate, or an equivalent qualification. The first undergraduate university degree is the bachelor's degree; the length of this program varies from two to four years.

#### **EVALUATION**

Credential 1 Diploma in Medical Laboratory Technology

Authentication: Original records verified by IEE

Country: Pakistan

Admission requirement: Higher Secondary Certificate (equivalent to the US high school diploma)

Program duration: 2 years
Period of study: 2003–2005
Program completion: 2006

Field(s) of study: Medical laboratory technology
Issuing institution: United Christian Hospital

Institution status: Unaccredited

US equivalency: 2 years of credited from an unaccredited institution

Additional notes: This institution is not recognized or overseen by the government agency

tasked with ensuring quality and regulating education in Pakistan; therefore, IEE considers it unaccredited. US colleges, universities, licensing boards and employers may exercise their own judgment regarding accepting this

qualification.

Credential 2 Bachelor of Science

Authentication: Original records verified by IEE

Country: Pakistan

## Table TS3: Immunohematology, Microbiology, Molecular Pathology, Cytogenetics, and Histocompatibility Technical Supervisor Qualifications

Specialty	Qualifying Degree	Additional Qualifications
Immunohematology (TRM.50050)	MD or DO licensed to practice medicine or osteopathy in the jurisdiction in which the laboratory is located (if required)	Be board certified in blood banking/transfusion medicine or clinical pathology, or have at least 1 year training or experience in immunohematology.
Microbiology (GEN.53400)	Qualify as listed in TS2	Have a minimum of 6 months of experience in high complexity testing in the applicable subspecialty.
Molecular Pathology (MOL.49650)	MD, DO, or Doctoral degree as listed in TS2	Have specialized training and/or appropriate experience in molecular pathology and meet educational, training, and experience qualifications in the related CMS specialty(ies). Testing under the CAP discipline of molecular pathology may involve tests that are classified under different CMS specialties, such as chemistry, hematology, immunology, microbiology, cytogenetics, and histocompatibility.
Cytogenetics (CYG.50000)	MD, DO, or Doctoral degree in a biological science or clinical laboratory science	Have 4 years of laboratory training or experience, or both, in genetics, 2 of which have been in clinical cytogenetics.
Histocompatibility (HSC.40000)	MD, DO, or Doctoral degree in a biological, clinical or medical laboratory science, or medical technology	Have 4 years of laboratory training or experience*, or both, within the specialty of histocompatibility; or  Have 2 years of laboratory training or experience, or both, in the specialty of general immunology; and have 2 years of laboratory training or experience*, or both, in the specialty of histocompatibility  *Technical supervisors supporting solid organ and/or hematopoietic progenitor cell transplantation, records of training or relevant experience in histocompatibility must be appropriate to the supported transplant program(s)



## Table TS3: Immunohematology, Microbiology, Molecular Pathology, Cytogenetics, and Histocompatibility Technical Supervisor Qualifications

Specialty	Qualifying Degree	Additional Qualifications
Immunohematology (TRM.50050)	MD or DO licensed to practice medicine or osteopathy in the jurisdiction in which the laboratory is located (if required)	Be board certified in blood banking/transfusion medicine or clinical pathology, or have at least 1 year training or experience in immunohematology.
Microbiology (GEN.53400)	Qualify as listed in TS2	Have a minimum of 6 months of experience in high complexity testing in the applicable subspecialty.
Molecular Pathology (MOL.49650)	MD, DO, or Doctoral degree as listed in TS2	Have specialized training and/or appropriate experience in molecular pathology and meet educational, training, and experience qualifications in the related CMS specialty(ies). Testing under the CAP discipline of molecular pathology may involve tests that are classified under different CMS specialties, such as chemistry, hematology, immunology, microbiology, cytogenetics, and histocompatibility.
Cytogenetics (CYG.50000)	MD, DO, or Doctoral degree in a biological science or clinical laboratory science	Have 4 years of laboratory training or experience, or both, in genetics, 2 of which have been in clinical cytogenetics.
Histocompatibility (HSC.40000)	MD, DO, or Doctoral degree in a biological, clinical or medical laboratory science, or medical technology	Have 4 years of laboratory training or experience*, or both, within the specialty of histocompatibility; or  Have 2 years of laboratory training or experience, or both, in the specialty of general immunology; and have 2 years of laboratory training or experience*, or both, in the specialty of histocompatibility  *Technical supervisors supporting solid organ and/or hematopoietic progenitor cell transplantation, records of training or relevant experience in histocompatibility must be appropriate to the supported transplant program(s)

## Qualification Examples

## **Transcript 3**



#### University of Minnesota Unofficial Transcript

Course

CHEM

OUE

Due to the COVID-1

classes and degree

2301

2001

TERM GPA:

\_\_\_\_\_

Print Date: 07/24/2025

MOST RECENT PROGRAMS Repeated:

Campus : University of Minnesota, Twin Cities

Program : College of Liberal Arts

Plan : Biology, Society, and Environment B A

Degree Sought : Bachelor of Arts

- - - - University of Minnesota Degrees and Certificates Awarded - - - - -

Degree: Bachelor of Arts Confer Date: 05/14/2025

Degree GPA: 2.673 Course

Acad Program: College of Liberal Arts
Plan: Biology, Society, and Environment B A

n. Biology, Society, and Environment B A

Test Credits PSY 1001 SPAN 1022

Test Credits Applied



Accept

#### University of Minnesota Unofficial Transcript

Course

Course

Due to the COVID-1

classes and degree

TERM GPA:

Print Date: 07/24/2025

Repeated: MOST RECENT PROGRAMS

University of Minnesota, Twin Cities Campus

Program College of Liberal Arts

Biology, Society, and Environment B A Plan

Degree Sought Bachelor of Arts

- - - - University of Minnesota Degrees and Certificates Awarded - - - - -

Bachelor of Arts Degree:

Confer Date: 05/14/2025 Degree GPA: 2.673

Acad Program: College of Liberal Arts

Biology, Society, and Environment B A Plan:

CHEM 2301 OUE 2001 PSY 1001

> **Test Credits** SPAN 1022

Test Credits Applied TERM GPA:



Print Date:	07/24/2025					Course		Description	1	Attempted	Earned	Grade	Points
MOST RECENT PR	ROGRAMS				-	Repeate	d:	Repeated -	Exclude from GPA				
Campus Program	: University of Minnesota, T : College of Liberal Arts	win Cities						0-19 pandemi ee requireme	ic, Satisfactory/Not Satis nts.	sfactory grading	permitted	for many	
Plan Degree Sought	: Biology, Society, and Envi : Bachelor of Arts	ronment B A				TERM	I GPA:	0.000	TERM TOTALS:	15.00	0.00	0.00	0.000
Degree:	Iniversity of Minnesota Degrees an Bachelor of Arts 05/14/2025	d Certificates /	Awarded										
Degree GPA: Acad Program: Plan:	2.673 College of Liberal Arts Biology, Society, and Environm	sont B A				Course		Description	1	Attempted	Earned	Grade	Points
rian.	Biology, Society, and Environm	entoA				CHEM	2301	Organic Ch	nemistry I	3.00	3.00	C-	5.001
						OUE	2001	Acad Plant	ning and Exploration	1.00	0.00	F	0.000
	T-+1010-					PSY	1001	Intro Psych	1	4.00	4.00	С	8.000
	Test Credits					SPAN	1022	Alt Second	-Sem Spanish	5.00	5.00	C+	11.665
Test Credits Applied	i	Attem	pted	Eamed	Points	TERM	I GPA:	1.897	TERM TOTALS:	13.00	12.00	13.00	24.666
Test Trans GPA:	0.000 Test T	otals: 1	2.000	12.000	0.000				of Minnesota, Twin Citie Liberal Arts d	nester 2022 s			
,	* * * * * Beginning of Undergrad	uate Record *	* * * *			Course		Description	1	Attempted	Earned	Grade	Points
	Fall Seme University of Minnesota, Twin Citie	ester 2020					2222	Mark and the	I- 0-I-	4.00	4.00	0	0.000
	College of Liberal Arts	-				MATH	2263	Multivariab		4.00	4.00		9.332
	Undeclared Mathematics Area					PHYS	1301		ci and Engr I	4.00	5.00		12.000 15.000
Course	Description	Attornated	Earned	Grade	Points.	SPAN	I GPA:	Intermedial	TERM TOTALS:	5.00 13.00		13.00	36.332
ZUMIZE.	Desa pion	Attempted	Lailleu	Olduc	roms	ILK	OFA.	2.760			15.00	13.00	30.332
CHEM 1082	Chem Prin II	3.00	3.00	C+	6.999			University	Fall Seme of Minnesota, Twin Citie	ester 2022			
CHEM 1088	Chem Prin II Lab	1.00	1.00		2.000				Liberal Arts				
CLA 1001	CLA First-Year Experience I	1.00	0.00	N	0.000			the dealers					
MATH 1272					0.000			Undeclared Mathemati	-				
	Calculus II	4.00	4.00	B-	10.668				-				
	Phys for Sci and Engr I	4.00 4.00	4.00 0.00			Course			cs Area	Attempted	Earned	<u>Grade</u>	Points
Repeated:	Phys for Sci and Engr I Repeated - Exclude from GPA	4.00	0.00	N	10.668	Course BIOL	1001	Mathemati Description	os Area				
Repeated: Due to the COVID	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis	4.00	0.00	N	10.668	BIOL	1001	Mathemati Description Evolution 8	os Area 1 k Ecology	4.00	4.00	B+	13.332
Repeated: Due to the COVID classes and degre	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements.	4.00 sfactory grading	0.00 permitted	N	10.668 0.000	BIOL	1007	Description  Evolution 8  CLA 1st Yr	cs Area	4.00 1.00	4.00	B+ S	13.332
Repeated: Due to the COVID	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis	4.00	0.00 permitted	N d for many	10.668	BIOL CLA SPAN	1007 1004	Description  Evolution 8  CLA 1st Yr  Intermedia	cs Area  L  Ecology Exper: Indep Study te Span	4.00	4.00 1.00 5.00	B+ S C	13.332 0.000 10.000
Repeated: Due to the COVID classes and degre	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared	4.00 sfactory grading 13.00 nester 2021	0.00 permitted	N d for many	10.668 0.000	BIOL CLA SPAN WRIT	1007	Description  Evolution 8  CLA 1st Yr	Exper: Indep Study te Span Writing TERM TOTALS:	4.00 1.00 5.00 4.00	4.00 1.00 5.00 4.00	B+ S C	13.332 0.000 10.000 9.332
Repeated: Due to the COVID classes and degre	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satisee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts	4.00 sfactory grading 13.00 nester 2021	0.00 permitted 8.00	N d for many 8.00	10.668 0.000	BIOL CLA SPAN WRIT	1007 1004 1301	Description  Evolution 8  CLA 1st Yr Intermedial University 1  2.513  University College of Undeclared	Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie	4.00 1.00 5.00 4.00 14.00	4.00 1.00 5.00 4.00	B+ S C C+	13.332 0.000 10.000 9.332
Repeated:  Due to the COVID classes and degree  TERM GPA:	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area	4.00 sfactory grading 13.00 nester 2021	0.00 permitted 8.00	N d for many 8.00	10.668 0.000 19.667	BIOL CLA SPAN WRIT TERM	1007 1004 1301	Description 8 CLA 1st Yr Intermedial University 1 2.513 University 0 College of Undeclared Mathematic	Es Area  Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00 nester 2023	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664
Repeated: Due to the COVID classes and degre TERM GPA: Course	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description	4.00 sfactory grading 13.00 nester 2021 s	0.00 permittee 8.00	N d for many 8.00	10.668 0.000 19.667	BIOL CLA SPAN WRIT	1007 1004 1301	Description  Evolution 8  CLA 1st Yr Intermedial University 1  2.513  University College of Undeclared	Es Area  Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00	4.00 1.00 5.00 4.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664
Repeated:  Due to the COVID classes and degre TERM GPA:  Course  CHEM 2301  Repeated:	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description  Organic Chemistry I	4.00 sfactory grading 13.00 nester 2021 s	0.00 permittee 8.00	N d for many 8.00	10.668 0.000 19.667	BIOL CLA SPAN WRIT TERM	1007 1004 1301 1 GPA :	Description  Evolution 8  CLA 1st Yr Intermedial University 1  2.513  University 1  College of Undeclared Mathematic	Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00 nester 2023	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664
Repeated:  Due to the COVID classes and degre TERM GPA:  Course  CHEM 2301  Repeated:	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satise requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description  Organic Chemistry I Repeated - Exclude from GPA	4.00 sfactory grading 13.00 nester 2021 s Attempted 3.00	0.00 permittee 8.00 Earned 0.00	N d for many 8.00	10.668 0.000 19.667 Points.	BIOL CLA SPAN WRIT TERM  Course	1007 1004 1301 1 GPA:	Description 8 CLA 1st Yr Intermedial University 1 2.513 University College of Undeclared Mathematic	Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00 nester 2023	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	Points  13.332 0.000 10.000 9.332 32.664  Points 6.000 14.668
Repeated: Due to the COVID classes and degree TERM GPA:  Course CHEM 2301 Repeated: CLA 1002 Repeated:	Phys for Sci and Engr I Repeated - Exclude from GPA D-19 pandemic, Satisfactory/Not Satis ee requirements.  2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description  Organic Chemistry I Repeated - Exclude from GPA CLA First-Year Experience II Repeated - Exclude from GPA	4.00 sfactory grading 13.00 nester 2021 s Attempted 3.00	0.00 permittee 8.00 Earned 0.00	N d for many 8.00  Grade N	10.668 0.000 19.667 Points.	BIOL CLA SPAN WRIT TERM  Course CHEM HSCI	1007 1004 1301 1 GPA:	Description 8 CLA 1st Yr Intermedial University 1 2.513 University College of Undeclared Mathemati  Description Org Chem Life on Ear	Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00 nester 2023 s	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664 Points 6.000 14.668
Repeated:  Due to the COVID classes and degree TERM GPA:  Course  CHEM 2301  Repeated:  CLA 1002  Repeated:  PHYS 1302W	Phys for Sci and Engr I Repeated - Exclude from GPA 0-19 pandemic, Satisfactory/Not Satis ee requirements. 2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description  Organic Chemistry I Repeated - Exclude from GPA CLA First-Year Experience II Repeated - Exclude from GPA Physics for Sci and Engr II	4.00 sfactory grading 13.00 nester 2021 s Attempted 3.00 1.00	0.00 permitted 8.00  Earned 0.00 0.00	N d for many 8.00  Grade N	10.668 0.000 19.667 Points 0.000	BIOL CLA SPAN WRIT TERM  Course CHEM HSCI PHYS	1007 1004 1301 1 GPA: 2302 1212 1302W	Description 8 CLA 1st Yr Intermedial University 1 2.513 University of Undeclared Mathematic Description Org Chem Life on Ear Physics for	Es Area  Es Ecology Exper: Indep Study te Span Writing TERM TOTALS:  Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area  Il th: Evol & Ecology Sci and Engr II	4.00 1.00 5.00 4.00 14.00 nester 2023	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664 Points 6.000 14.668 9.332
Repeated: Due to the COVID classes and degree TERM GPA:  Course CHEM 2301 Repeated: CLA 1002 Repeated:	Phys for Sci and Engr I Repeated - Exclude from GPA D-19 pandemic, Satisfactory/Not Satis ee requirements.  2.458 TERM TOTALS:  Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared Mathematics Area  Description  Organic Chemistry I Repeated - Exclude from GPA CLA First-Year Experience II Repeated - Exclude from GPA	4.00 sfactory grading 13.00 nester 2021 s Attempted 3.00 1.00	0.00 permitted 8.00  Earned 0.00 0.00	N d for many 8.00  Grade N N	10.668 0.000 19.667 Points 0.000	BIOL CLA SPAN WRIT TERM  Course CHEM HSCI PHYS	1007 1004 1301 1 GPA:	Description 8 CLA 1st Yr Intermedial University 1 2.513 University College of Undeclared Mathemati  Description Org Chem Life on Ear	Exper: Indep Study te Span Writing TERM TOTALS: Spring Sen of Minnesota, Twin Citie Liberal Arts d cs Area	4.00 1.00 5.00 4.00 14.00 nester 2023 s	4.00 1.00 5.00 4.00 14.00	B+ S C C+ 13.00	13.332 0.000 10.000 9.332 32.664 Points 6.000 14.668

Print Date:		07/24/2025					Course		Descriptio	Ω	Attempted	Earned	Grade	Points.
MOST RECEI	NT PRO	OGRAMS				•	Repeate	ed:	Repeated	- Exclude from GPA				
Campus		: University of Minnesota, To	win Cities						D-19 panden ree requireme	nic, Satisfactory/Not Satis	sfactory grading	permitted	for many	
Program Plan Degree Sou	ught	: College of Liberal Arts : Biology, Society, and Envi : Bachelor of Arts	ronment B A				TERM	M GPA:	0.000	TERM TOTALS:	15.00	0.00	0.00	0.000
		iversity of Minnesota Degrees an Bachelor of Arts	d Certificates	Awarded						of Minnesota, Twin Citie Liberal Arts	ester 2021 es			
Confer Date: Degree GPA: Acad Program		05/14/2025 2.673 College of Liberal Arts					Course		Descriptio	<u>n</u>	Attempted	Earned	Grade	Points
Plan:		Biology, Society, and Environm	ent B A				CHEM	2301	Organic C	hemistry I	3.00	3.00	C-	5.001
							OUE	2001	_	ning and Exploration	1.00	0.00		0.000
							PSY	1001	Intro Psyc		4.00	4.00		8.000
		Test Credits					SPAN	1022		d-Sem Spanish	5.00	5.00	C+	11.665
Test Credits A	Applied		Attom	nted	Eamed	Points	TERM	M GPA:	1.897	TERM TOTALS:	13.00	12.00	13.00	24.666
Test Trans GPA: 0.000 Test Totals: 12.000 12.000					0.000				of Minnesota, Twin Citie Liberal Arts d	mester 2022 es				
* * * * * Beginning of Undergraduate Record * * * * *							Course		Descriptio	Description Attempted Earns			Grade	Points.
	Fall Semester 2020 University of Minnesota, Twin Cities							2222	11. No. and all	H- 0-1-	4.00	4.00	•	0.000
		College of Liberal Arts	•				MATH	2263	Multivaria		4.00	4.00		9.332
		Undeclared Mathematics Area					PHYS	1301		ici and Engr I	4.00	4.00		12.000
•					04-	B-1-4-	SPAN	1003		ate Spanish	5.00	5.00		15.000
Course		Description	Attempted	Earneo	Grade	<u>Points</u>	IERI	M GPA:	2.795	TERM TOTALS :	13.00	13.00	13.00	36.332
CHEM 108 CHEM 108 CLA 100 MATH 127	96 )1	Chem Prin II Lab CLA First-Year Experience I Calculus II	3.00 1.00 1.00 4.00	3.00 1.00 0.00 4.00	N	6.999 2.000 0.000 10.668				of Minnesota, Twin Citie Liberal Arts	ester 2022 es			
		Phys for Sci and Engr I	4.00	0.00	N	0.000	Course		Descriptio	<u>n</u>	Attempted	Earned	Grade	Points
Repeated:		Repeated - Exclude from GPA	fastani amilian		d for		BIOL	1001	Evolution	& Ecology	4.00	4.00	B+	13.332
		19 pandemic, Satisfactory/Not Satis requirements.	ractory grading	permitte	o for many		CLA	1007		r Exper: Indep Study	1.00	1.00		0.000
TERM GPA	A:	2.458 TERM TOTALS :	13.00	8.00	8.00	19.667	SPAN	1004	Intermedia		5.00	5.00		10.000
							WRIT	1301	University		4.00	4.00		9.332
		Spring Sen University of Minnesota, Twin Citie College of Liberal Arts Undeclared	nester 2021 s				TERM	M GPA:	2.513	TERM TOTALS:	14.00	14.00	13.00	32.664
		Mathematics Area							University	Spring Ser of Minnesota, Twin Citie	mester 2023 es			
Course		Description	Attempted	Earned	Grade	Points.			College of Undeclare Mathemat					
CHEM 230 Repeated:		Organic Chemistry I Repeated - Exclude from GPA	3.00	0.00	N	0.000	Course		Descriptio	<u>n</u>	Attempted	Earned	<u>Grade</u>	Points
CLA 100	12	CLA First-Year Experience II	1.00	0.00	N	0.000	CHEM	2302	Org Chem	A II	3.00	3.00	c	6.000
Repeated:		Repeated - Exclude from GPA					HSCI	1212		rth: Evol & Ecology	4.00	4.00		14.668
PHYS 130		Physics for Sci and Engr II	4.00	0.00	N	0.000	PHYS	1302W		r Sci and Engr II	4.00	4.00		9.332
Repeated:		Repeated - Exclude from GPA	4.00	3.00		2.000			-					
PLPA 2003 Plague, Famine, and Beer 3.00 0.00 N				0.000	TERM	M GPA:	2.727	TERM TOTALS :	11.00	11.00	11.00	30.000		
WRIT 130	)1	University Writing	4.00	0.00	N	0.000								



Print Date:	07/24/2025					Course		Description	1	Attempted	Earned	Grade	Points
MOST RECENT P	PROGRAMS					Repeate	ed:	Repeated	- Exclude from GPA				
Campus Program	: University of Minnesota, T : College of Liberal Arts	Win Cities				Due to	the COVI	D-19 pandem ree requireme	ic, Satisfactory/Not Sati	sfactory grading	permitted	d for many	
Plan Degree Sought	: Biology, Society, and Env : Bachelor of Arts	ironment B A				TERM	M GPA:	0.000	TERM TOTALS:	15.00	0.00	0.00	0.000
Degree:	University of Minnesota Degrees ar Bachelor of Arts	nd Certificates	Awarded						of Minnesota, Twin Citie Liberal Arts d	ester 2021 es			
Confer Date: Degree GPA: Acad Program:	05/14/2025 2.673 College of Liberal Arts					Course		Description	1	Attempted	Earned	Grade	Points
Plan:	Biology, Society, and Environn	nent B A				CHEM	2301	Organic C	hemistry I	3.00	3.00	C-	5.001
						OUE	2001	Acad Plan	ning and Exploration	1.00	0.00	F	0.000
						PSY	1001	Intro Psyc	h	4.00	4.00	С	8.000
	Test Credits					SPAN	1022	Alt Second	I-Sem Spanish	5.00	5.00	C+	11.665
Test Credits Appli	ed	Atten	npted	Earned	Points	TERM	M GPA:	1.897	TERM TOTALS:	13.00	12.00	13.00	24.666
Test Trans GPA: 0.000 Tes		Fotals: 1	2.000	12.000	0.000				of Minnesota, Twin Citie Liberal Arts d	mester 2022 es			
	* * * * * Beginning of Undergrad	uate Record *	* * * *			Course		Description	1	Attempted	Earned	Grade	Points
	Fall Sem University of Minnesota, Twin Citie	ester 2020										_	
	College of Liberal Arts	*5				MATH	2263	Multivariab		4.00	4.00		9.332
	Undeclared Mathematics Area					PHYS	1301		ci and Engr I	4.00	4.00		12.000
_			_			SPAN	1003		ite Spanish	5.00	5.00		15.000
Course	Description	Attempted	Earned	Grade	Points	TERM	M GPA:	2.795	TERM TOTALS :	13.00	13.00	13.00	36.332
CHEM 1062	Chem Prin II	3.00	3.00	C+	6.999					ester 2022			
CHEM 1088	Chem Prin II Lab	1.00	1.00	С	2.000				of Minnesota, Twin Citie Liberal Arts	es			
CLA 1001	CLA First-Year Experience I	1.00	0.00	N	0.000			Undeclare Mathemat					
MATH 1272	Calculus II	4.00	4.00	B-	10.668			mauremac	ics Alea				
PHYS 1301W	Phys for Sci and Engr I	4.00	0.00	N	0.000	Course		Description	1	Attempted	Earned	Grade	<b>Points</b>
Repeated:	Repeated - Exclude from GPA											_	
	ID-19 pandemic, Satisfactory/Not Sati	sfactory grading	permitte	d for		BIOL	1001	Evolution		4.00	4.00		13.332
	gree requirements.  2.458 TERM TOTALS:	13.00	8.00		19.667	CLA	1007		r Exper: Indep Study	1.00	1.00		0.000
TERMI OF A	E-100	10.00	0.00		10.007	SPAN	1004 1301	Intermedia University	•	5.00 4.00	5.00 4.00		10.000 9.332
	University of Minnesota, Twin Citie College of Liberal Arts	mester 2021 es		7			M GPA:	2.513	TERM TOTALS:	14.00		13.00	32.664
	Undeclared Mathematics Area							Helmon's		mester 2023			
Course.	Description	Attempted	Earned	Grade	Points.					n			
CHEM 2301	Organic Chemistry I	3.00	0.00	N	0.000			mamemat	us Area				
Repeated:	Repeated - Exclude from GPA	3.00	0.00		0.000	Course		Description	1	Attempted	Earned	<u>Grade</u>	Points
CLA 1002	CLA First-Year Experience II	1.00	0.00	N	0.000	CHEM	2302	Org Chem		3.00	3.00	С	6.000
Repeated:	Repeated - Exclude from GPA					HSCI	1212	-	rth: Evol & Ecology	4.00	4.00		14.668
PHYS 1302W	Physics for Sci and Engr II	4.00	0.00	N	0.000	PHYS	1302W		r Sci and Engr II	4.00	4.00		9.332
Repeated:	Repeated - Exclude from GPA							-	_				
PLPA 2003	Plague, Famine, and Beer	3.00	0.00	N	0.000	TERM	M GPA:	2.727	TERM TOTALS:	11.00	11.00	11.00	30.000
WRIT 1301	University Writing	4.00	0.00	N	0.000								
	-												

Fall Semester 2023

University of Minnesota, Twin Cities College of Liberal Arts Biology, Society, and Environment B A

<u>Course</u> <u>Description</u>		<u>on</u>	Attempted	Eamed	<u>Grade</u>	Points	
BIOL	1009	General 8	Biology	4.00	4.00	В	12.000
BSE	2001	Intro to B	SE	2.00	2.00	Α	8.000
CLA	1002	<b>CLA First</b>	-Year Experience II	1.00	1.00	s	0.000
PHIL	1002W	Intro to P	hilosophy	4.00	4.00	В	12.000
STAT	3011	Intro Stat	istical Analysis	4.00	4.00	В	12.000
TERM	IGPA:	3.143	TERM TOTALS:	15.00	15.00	14.00	44.000

Spring Semester 2024
University of Minnesota, Twin Cities
College of Liberal Arts
Biology, Society, and Environment B A

	Course		Descripti	on	Attempted	Eamed	Grade	Points.
	AAS	3251W	Race, Cl	ass, and Gender	3.00	3.00	В	9.000
ı	BIOC	3021	Biochem 6 4 1	istry	3.00	3.00	C+	6.999
ľ	ENT	3275	Insect-tra	ansmitted diseases	3.00	3.00	В	9.000
	GCD	วกวว	Ganatics		3.00	3.00	D	9.000
Γ	HMED	3040	Human H	lealth & Envir. in Hist.	3.00	3.00	C+	6.999
	JOUR	3757	Health C	ommunication Strategy	3.00	3.00	В	9.000
	TERM	GPA:	2.778	TERM TOTALS:	18.00	18.00	18.00	49.998

#### Fall Semester 2024

University of Minnesota, Twin Cities College of Liberal Arts Biology, Society, and Environment B A

Course		Description	1	Attempted	Earned	<u>Grade</u>	Points
ANTH	3306W	Medical An	thropology	3.00	3.00	Α-	11.001
88E	1002	Biorenewal	ble Resources	3.00	3.00	C+	6.999
CSCL	3323	Science an	d Culture	3.00	3.00	B-	8.001
EEB	3409	Evolution		3.00	3.00	В	9.000
TERM	GPA:	2.917	TERM TOTALS:	12.00	12.00	12.00	35.001

Spring Semester 2025 University of Minnesota, Twin Cities College of Liberal Arts Biology, Society, and Environment B A

Course		Descr	ription	Attempted	Earned	Grade	Points
BSE	3991	BSE	Capstone	1.00	1.00	S	0.000
ENGL	1051	Lit, Sc	cience & Technology	3.00	3.00	C+	6.999
SOIL	2125	Basic	Soil Science	4.00	4.00	В	12.000
TERM	GPA:	2.714	TERM TOTALS:	8.00	8.00	7.00	18.999
Undergr	aduate Ca	reer To	tals				
CUM GP	A:	2.673	UM TOTALS:	132.00	111.00	109.00	291.327
			UM + TRANSFER TOTALS:		123.00		

HMED3040

Download as PDF

HMED 3040 - Human Health, Disease, and the Environment in History (3 Cr.) Historical Perspectives

Medical School - Adm (11677) • TMED - Medical School 5 Historical Revisions

### Course description

Introduction to historical relationship of human health and the environment. How natural/human-induced environmental changes have, over time, altered our experiences with disease and our prospects for health.

Fall Semester 2023

University of Minnesota, Twin Cities College of Liberal Arts Biology, Society, and Environment B A

Course		Description	<u>on</u>	Attempted	Eamed	<u>Grade</u>	Points
BIOL	1009	General 8	Biology	4.00	4.00	В	12.000
BSE	2001	Intro to B	SE	2.00	2.00	Α	8.000
CLA	1002	CLA First	-Year Experience II	1.00	1.00	S	0.000
PHIL	1002W	Intro to P	hilosophy	4.00	4.00	В	12.000
STAT	3011	Intro Stat	istical Analysis	4.00	4.00	В	12.000
TERM	I GPA :	3.143	TERM TOTALS:	15.00	15.00	14.00	44.000

Spring Semester 2024
University of Minnesota, Twin Cities
College of Liberal Arts
Biology, Society, and Environment B A

	Course		Descripti	Description		Earned	Grade	Points	
	AAS	3251W	Race, Cl	ass, and Gender	3.00	3.00	В	9.000	
	2100	2024	Blacker		2.00	2.00	C:	0.000	
ľ	ENT	3275	Insect-tra	ansmitted diseases	3.00	3.00	В	9.000	
	GCD	3022	Genetics		3.00	3.00	В	9.000	
	HMED	3040	Human H	lealth & Envir. in Hist.	3.00	3.00	C+	6.999	
	JOUR	3757	Health C	ommunication Strategy	3.00	3.00	В	9.000	
	TERM	GPA:	2.778	TERM TOTALS:	18.00	18.00	18.00	49.998	

#### Fall Semester 2024

University of Minnesota, Twin Cities College of Liberal Arts Biology, Society, and Environment B A

Course		Description		Attempted	Earned	<u>Grade</u>	Points
ANTH	3306W	Medical Anti	hropology	3.00	3.00	Α-	11.001
BBE	1002	Biorenewab	le Resources	3.00	3.00	C+	6.999
CSCL	3323	Science and	Culture	3.00	3.00	B-	8.001
EEB	3409	Evolution		3.00	3.00	В	9.000
TERM	GPA:	2.917	TERM TOTALS:	12.00	12.00	12.00	35.001

Spring Semester 2025
University of Minnesota, Twin Cities
College of Liberal Arts
Biology, Society, and Environment B A

Course		Descr	ription	Attempted	Earned	Grade	Points
BSE	3991	BSE (	Capstone	1.00	1.00	S	0.000
ENGL	1051	Lit, Sc	cience & Technology	3.00	3.00	C+	6.999
SOIL	2125	Basic	Soil Science	4.00	4.00	В	12.000
TERM	GPA:	2.714	TERM TOTALS:	8.00	8.00	7.00	18.999
Undergra	aduate Ca	reer To	tals				
CUM GP	A:	2.673	UM TOTALS:	132.00	111.00	109.00	291.327
			UM + TRANSFER TOTALS:		123.00		

### Insect-transmitted diseases of humans

What's so attractive about human blood? How have human interactions with insects evolved? Insects and ticks transmit viral, bacterial, protozoan and filarial diseases to humans, particularly in tropical countries. Zika, most recently, and also dengue and other mosquito-borne viruses pose an emerging challenge in the southern US as climate change increases the range of important vector species. Lyme disease and other tick-borne diseases are increasing in the US, and pose challenges in diagnosis and treatment. This course covers contemporary topics in "Medical Entomology" that will provide an overview of arthropod-borne disease and its impacts on global health from the perspective of insect vectors and microbial pathogens. Students will explore historical, contemporary and epidemiologic stories demonstrating exposure and control strategies via lecture, student discussions, laboratory demonstrations, and critical review of current best practices in medical entomology. This course is designed for upper division undergraduate and graduate students in any major or minor.

Credit will not be granted if credit has been received for: ENT 5275

#### **Course ID**

**ENT 3275** 

#### Credits

3

#### Semester Offered

Spring

#### **Course Frequency**

every year

Schedule Builder (Spring 2024)



### Insect-transmitted diseases of humans

What's so attractive about human blood? How have human interactions with insects evolved? Insects and ticks transmit viral, bacterial, protozoan and filarial diseases to humans, particularly in tropical countries. Zika, most recently, and also dengue and other mosquito-borne viruses pose an emerging challenge in the southern US as climate change increases the range of important vector species. Lyme disease and other tick-borne diseases are increasing in the US, and pose challenges in diagnosis and treatment. This course covers contemporary topics in "Medical Entomology" that will provide an overview of arthropod-borne disease and its impacts on global health from the perspective of insect vectors and microbial pathogens. Students will explore historical, contemporary and epidemiologic stories demonstrating exposure and control strategies via lecture, student discussions, laboratory demonstrations, and critical review of current best practices in medical entomology. This course is designed for upper division undergraduate and graduate students in any major or minor.

Credit will not be granted if credit has been received for: ENT 5275

#### **Course ID**

**ENT 3275** 

#### Credits

3

#### Semester Offered

Spring

#### **Course Frequency**

every year

Schedule Builder (Spring 2024)

## **Transcript Evaluation Form**

Course number	Course	Credits/	Credits/	Credits/
	name	Hours	<b>Hours Biology</b>	Hours Medical
		Chemistry		Laboratory
				Science
CHEM 1062	CHEM PRIN II	3.0		
CHEM 1066	CHEM PRIN II LAB	1.0		
CHEM 2301	ORGANIC CHEM I	3.0		
CHEM.2302	ORGANIC CHEM II	3.0		
BIOL 1009	GENERAL BIOLOGY		4.0	
GCD 3022	GENETICS		3.0	
BIOC 3021	BIOCHEMISTRY	3.0		
ENT 3275	INSECT TRANSMITTED DISEASES		3.0	
HMED 3040	HUMAN HEALTH & ENVIRN		3.0	
ANTH 3306W	MEDICAL ANTHROPOLOGY		3.0	
Total Semester Cr	redits/Hours:	13.0	16.0	

## **Transcript Evaluation Form**

Course number	name	Credits/ Hours Chemistry	Credits/ Hours Biology	Credits/ Hours Medical Laboratory Science
CHEM 1062	CHEM PRIN II	3.0		
CHEM 1066	CHEM PRIN II LAB	1.0		
CHEM 2301	ORGANIC CHEM I	3.0		
CHEM.2302	ORGANIC CHEM II	3.0		
BIOL 1009	GENERAL BIOLOGY		4.0	
GCD 3022	GENETICS		3.0	
BIOC 3021	BIOCHEMISTRY	3.0		
ENT 3275	INSECT TRANSMITTED DISEASES		3.0	
HMED 3040	HUMAN HEALTH & ENVIRN		3.0	
ANTH 3306W	MEDICAL ANTHROPOLOGY		3.0	
Total Semester Credits/Hours:		13.0	16.0	Accept

## **Qualification Examples**

## **Transcript 4**



Print Date: 07/22/2025

Transfer Credits

A maximum of 64 transfer semester hours accepted as lower-division credit from two-year institutions. Transfer Credit from Glendale Community College

3.000 0.000

Test Credits

	2	2021 Sumr		
Course	Description	Attempted	Earned	<u>Grade</u>
BIO 100	The Living World		4.000	Y
HST 101	Global History Since 1500		3.000	Y
HST 100	Global History to 1500		3.000	Y
MAT 270	Calculus w/Analytic Geometry I		4.000	Y

Repeated: Repeat - Included in GPA and Hours Earned

MAT 270 Calculus w/Analytic 0.000 Y

Geometry I

Repeated: Repeat - Excluded from GPA and Hours Earned

05/25/2021

Course Trans 0.000 Transfer Totals: 0.000 14.000 0.000

GPA:

#### Degrees Awarded

High School Diploma

 Degree:
 Bachelor of Science

 Confer Date:
 12/16/2024

 Degree GPA:
 4.00

Degree Honors: Summa Cum Laude Plan: Forensic Science

New College of Interdisciplinary Arts and Sciences

Degree: Certificate Confer Date: 12/16/2024

Plan: Biomedical Research (Certificate)

Beginning of Undergraduate Record

2021 Fall

Course	Descrip	tion	<b>Attempted</b>	Earned	<u>Grade</u>	<b>Points</b>
BIO 181	Genera	Biology	4.000	4.000	Α	16.000
CHM 113	General Chemistry I		4.000	4.000	Α	16.000
ENG 101	First-Year Composition		3.000	3.000	Α	12.000
NEW 101	ASU New College		1.000	1.000	A+	4.333
	Experie	nce				
NEW 102	Global Transformations		1.000	1.000	A+	4.333
STP 226	Elements of Statistics		3.000	3.000	A+	12.999
			Attempted	Earned		<u>Points</u>
Term GPA:	4.00	Term Totals	16.000	16.000		65.665
Cum GPA:	4.00	Cum Totals	16.000	30.000		65.665

Academic Standing: Good Standing Term Honor: Dean's List

2022 Spring

Course	Descrip	tion	Attempted	Earned	Grade	<b>Points</b>
BIO 182	Genera	l Biology II	4.000	4.000	Α	16.000
CHM 116	Genera	l Chemistry II	4.000	4.000	Α	16.000
ENG 102	First-Ye	ear Composition	3.000	3.000	A+	12.999
SOC 101	Introdu	ctory Sociology	3.000	0.000	W	0.000
SOC 264	Gender	and Society	3.000	3.000	A+	12.999
			Attempted	Earned		<b>Points</b>
Term GPA:	4.00	Term Totals	14.000	14.000		57.998
Cum GPA:	4.00	Cum Totals	30.000	44.000		123.663

Academic Standing: Good Standing Term Honor: Dean's List

**Points** 

2022 Fall

C	Di-	4:		F	Condo	Deinte
Course	Descrip	HOR	Attempted	Earned	<u>Grade</u>	Points <b>Points</b>
ASB 378	Globali	zation	3.000	3.000	Α	12.000
CHM 233	Genera Chemis	l Organic try I	3.000	3.000	Α	12.000
CHM 237	Gen Or Lab I	ganic Chemistry	1.000	1.000	Α	4.000
FOR 286	Prin. of Science	Forensic	4.000	4.000	Α	16.000
PHY 111	Genera	Physics	3.000	3.000	Α	12.000
PHY 113	Genera Laborat	l Physics tory	1.000	1.000	A	4.000
			<u>Attempted</u>	Earned		Points
Term GPA:	4.00	Term Totals	15.000	15.000		60.000
Cum GPA:	4.00	Cum Totals	45.000	62.000		183.663

Academic Standing: Good Standing Term Honor: Dean's List

2023 Spring

Course	Descript	ion	Attempted	Earned	Grade	<b>Points</b>
CHM 234	General Chemist		3.000	3.000	Α-	11.001
CHM 238	Gen Org Lab II	anic Chemistry	1.000	1.000	A	4.000
FOR 370	Fundam Analysis	entals Forensic	4.000	4.000	A	16.000
FOR 447	Molecula Laborate	ar Genetics ory	1.000	1.000	Α-	3.667
LSC 347	Fundam Genetics	entals of	3.000	3.000	A+	12.999
LSC 348	Fundam Genetics	entals of Lab	1.000	1.000	A	4.000
PHY 112 PHY 114	General General Laborato	Physics	3.000 1.000	3.000 1.000	Â	12.000 4.000
			<u>Attempted</u>	<b>Earned</b>		<b>Points</b>
Term GPA:	3.98	Term Totals	17.000	17.000		67.667
Cum GPA:	4.00	Cum Totals	62.000	79.000		251.330



Print Date: 07/22/2025

Transfer Credits

A maximum of 64 transfer semester hours accepted as lower-division credit from two-year institutions. Transfer Credit from Glendale Community College

			Attempted	Earned	Points
Course Trans GPA:	0.000	Transfer Totals:	0.000	3.000	0.000
External Degrees Cortez High Scho					

Test Credits

	2	2021 Sumr			
Course	Description	Attempted	Earned	Grade	<b>Points</b>
BIO 100	The Living World		4.000	Y	
HST 101	Global History Since 1500		3.000	Y	
HST 100	Global History to 1500		3.000	Y	
MAT 270	Calculus w/Analytic Geometry I		4.000	Υ	
Repeated:	Repeat - Included in GPA ar	nd Hours Earne	ed		
MAT 270	Calculus w/Analytic Geometry I		0.000	Y	
Repeated:	Repeat - Excluded from GP	A and Hours E	amed		

Transfer Totals: 0.000

Degrees Awarded

Course Trans

GPA:

High School Diploma

Degree: Bachelor of Science
Confer Date: 12/18/2024
Degree GPA: 4.00
Degree Honors: Summa Cum Laude
Plan: Forensic Science

05/25/2021

New College of Interdisciplinary Arts and Sciences

14.000

Degree: Certificate Confer Date: 12/16/2024

0.000

Plan: Biomedical Research (Certificate)

Beginning of Undergraduate Record

2021 Fall

Course	Descrip	tion	<b>Attempted</b>	Earned	<b>Grade</b>	<b>Points</b>
BIO 181	General	Biology I	4.000	4.000	Α	16.000
CHM 113	General	Chemistry I	4.000	4.000	Α	16.000
ENG 101	First-Ye	ar Composition	3.000	3.000	Α	12.000
NEW 101	ASU Ne Experie	w College nce	1.000	1.000	A+	4.333
NEW 102		Transformations	1.000	1.000	A+	4.333
STP 226	Elemen	ts of Statistics	3.000	3.000	A+	12.999
			Attempted	Earned		<b>Points</b>
Term GPA:	4.00	Term Totals	16.000	16.000		65.665
Cum GPA:	4.00	Cum Totals	16.000	30.000		65.665

Academic Standing: Good Standing Term Honor: Dean's List

2022 Spring

Course	Descrip	tion	Attempted	Earned	Grade	<b>Points</b>
BIO 182	Genera	l Biology II	4.000	4.000	Α	16.000
CHM 116	Genera	l Chemistry II	4.000	4.000	Α	16.000
ENG 102	First-Ye	ear Composition	3.000	3.000	A+	12.999
SOC 101	Introdu	ctory Sociology	3.000	0.000	w	0.000
SOC 264	Gender	and Society	3.000	3.000	A+	12.999
			Attempted	Earned		<b>Points</b>
Term GPA:	4.00	Term Totals	14.000	14.000		57.998
Cum GPA:	4.00	Cum Totals	30.000	44.000		123.663

Academic Standing: Good Standing Term Honor: Dean's List

2022 Fall

Course	Description	Attempted	Earned	Grade	Points
ASB 378	Globalization	3.000	3.000	Α	12.000
CHM 233	General Organic Chemistry I	3.000	3.000	Α	12.000
CHM 237	Gen Organic Che Lab I	mistry 1.000	1.000	Α	4.000
FOR 286	Prin. of Forensic Science	4.000	4.000	Α	16.000
PHY 111	General Physics	3.000	3.000	A	12.000
PHY 113	General Physics Laboratory	1.000	1.000	A	4.000
		Attempted	<b>Earned</b>		Points
Term GPA:	4.00 Term T	otals 15.000	15.000		60.000
Cum GPA:	4.00 Cum To	otals 45.000	62.000		183.663

Academic Standing: Good Standing Term Honor: Dean's List

0.000

2023 Spring

		20	25 Spring			
Course	Descript	ion	Attempted	Earned	Grade	<b>Points</b>
CHM 234	General Chemist		3.000	3.000	Α-	11.001
CHM 238	Gen Org Lab II	anic Chemistry	1.000	1.000	Α	4.000
FOR 370	Fundam Analysis	entals Forensic	4.000	4.000	A	16.000
FOR 447	Molecula Laborate	r Genetics ry	1.000	1.000	Α-	3.667
LSC 347	Fundame Genetics		3.000	3.000	A+	12.999
LSC 348	Fundame Genetics	entals of Lab	1.000	1.000	Α	4.000
PHY 112	General		3.000	3.000	A	12.000
PHY 114	General Laborato		1.000	1.000	A	4.000
			<u>Attempted</u>	Earned		<b>Points</b>
Term GPA:	3.98	Term Totals	17.000	17.000		67.667
Cum GPA:	4.00	Cum Totals	62.000	79.000		251.330



- GEN.54750 requires 60 semester hours or equivalent from an accredited institution that, at a minimum, includes 24 semester hours of science courses that include:
- six semester hours of <u>chemistry</u>,
- six semester hours of biology, and
- 12 semester hours of chemistry, biology or medical laboratory technology in any combination

Course	Course	Credits/	Credits/	Credits/
number	name	Hours	Hours	Hours
		Chemistry	Biology	Medical
				Laboratory
				Science
BIO 181	General Biology I		4	
CHM 113	General Chemistry I	4		
BIO 182	General Biology II		4	
CHM 116	General Chemistry II	4		
CHM 223	General Organic Chem I	3		
CHM 237	General Organic Chem I Lab	1		
CHM 234	General Organic Chem II	3		
CHM 238	General Organic Chem II Lab	1		
Total Semeste	r Credits/Hours:	16	8	



- GEN.54750 requires 60 semester hours or equivalent from an accredited institution that, at a minimum, includes 24 semester hours of science courses that include:
- six semester hours of <u>chemistry</u>,
- six semester hours of <u>biology</u>, and
- 12 semester hours of chemistry, biology or medical laboratory technology in any combination

Course	Course	Credits/	Credits/	Credits/
number		Hours	Hours	Hours
Humber	name			
		Chemistry	Biology	Medical
				Laboratory
				Science
BIO 181	General Biology I		4	
CHM 113	General Chemistry I	4		
BIO 182	General Biology II		4	
CHM 116	General Chemistry II	4		
CHM 223	General Organic Chem I	3		
CHM 237	General Organic Chem I Lab	1		
CHM 234	General Organic Chem II	3		
CHM 238	General Organic Chem II Lab	1		
Total Semeste	r Credits/Hours:	16	8	

# Qualification Examples

## **Transcript 5**



#### PAGE: 1

FALL, 1	982						TERM	M 1	10.00	10.00	40.00	4.000	
ARV	251 A	IRBRUS	H PAINTI	NG I	3.00 A	12.00	CUM	4	17.00	47.00	188.00	4.000	
DRT	101 M	ECHANIC	CAL DRAF	TING I	3.00 A	12.00	Dean's	List	t				
	HR C	PT I	HR CALC	POINTS	GPA								
TERM	6	.00	6.00	24.00	4.000		WINTER,	199	90				
CUM	6	.00	6.00	24.00	4.000		BIO	121	ANATO	MY + PHYSI	OLOGY I	5.00 A	20.00
Dean's	List						NUR	105	DOSAG	E CALCULAT	NUR	1.00 A	4.00
							PSY	208	LIFE :	SPAN HUMAN	DEVELOP	5.00 A	20.00
FALL, 1	988							HR	CPT	HR CALC	POINTS	GPA	
MAT	101 E	LEMENT	ARY ALGE	BRA	4.00 A	16.00	TERM	M 1	11.00	11.00	44.00	4.000	
	HR C	PT I	HR CALC	POINTS	GPA		CUM	5	58.00	58.00	232.00	4.000	
TERM	4	.00	4.00	16.00	4.000		Dean's	List	t				
CUM	10	.00	10.00	40.00	4.000								
							SPRING	, 199	90				
WINTER,	1989				(	·	BIO	122	ANATO	MY + PHYSI	OLOGY II	5.00 A	20.00
CHE	151 G	ENERAL	CHEMIST	RY I	5.00 A	20.00	NUR	124	FUND (	OF NURSING	I	10.00 A	40.00
MAT	116 0	OLLEGE	ALGEBRA		5.00 A	20.00		HR	CPT	HR CALC	POINTS	GPA	
PSY	297 S	PECIAL	TOPICS	IN PSYCH	3.00 A	12.0	TERM	M 1	15.00	15.00	60.00	4.000	
	HR C	PT I	HR CALC	POINTS	GPA	1	CUM	7	73.00	73.00	292.00	4.000	
TERM	13	.00	13.00	52.00	4.000	3	Dean's	List	t				
CUM	23	.00	23.00	92.00	4.000	~	20						
Dean's	List						SUMMER,	, 199	90				
							H	219	GENER	AL PHARMAC	OLOGY	3.00 A	12.00
SPRING,	1989						-	HR	CPT	HR CALC	POINTS	GPA	
BIO	111 G	ENERAL	BIOLOGY	I	4.00 A	16.00	TERM	M	3.00	3.00	12.00	4.000	
CHE	152 G	ENERAL	CHEMIST	RY II		20.00	CUM	7	76.00	76.00	304.00	4.000	
GLG	144 G	EOLOGIC	CAL FIEL	D TRIPS	700	16.00							
PED	154 A	EROBIC	CONDITI	ONING	1.00 A	4.00	FALL,	1990					
	HR C		HR CALC	POINTS	GPA		NUR	107	PATHO	PHYSIOLOGY	NUR I	2.00 A	8.00
TERM	14			56.00			NUR	125	FUND (	OF NURSING			0.00
CUM	37	.00	37.00	148.00	4.000			HR	CPT	HR CALC	POINTS	GPA	
Dean's	List						TERM	-	2.00	2.00	8.00		
							CUM	7	78.00	78.00	312.00	4.000	
FALL, 1	989												
BIO	205 M	ICROBIC	DLOGY		5.00 A	20.00	******	****	CONT	INUED ON	NEXT PAG	3E *****	****
SOC	120 G	ENERAL	SOCIOLO	GY	5.00 A	20.00							

HR CALC POINTS G P A

HR CPT





PAGE: 1

FALL, 1982						TERM 1	10.00	10.00	40.00	4.000	
	AIRBRUSI	H PAINTIN	GI	3.00 A	12.00	30 A S S S S S S S S S S S S S S S S S S	47.00				
		CAL DRAFT		3.00 A		Dean's List	t				
		HR CALC									
TERM		6.00	24.00			WINTER, 199	90				
CUM	7-27-2		24.00			BIO 121	ANATOMY	+ PHYSIC	OLOGY I	5.00 A	20.00
Dean's Lis							DOSAGE (			1.00 A	4.00
						PSY 208	LIFE SPA	AN HUMAN	DEVELOP	5.00 A	20.00
FALL, 1988						HR	CPT I	HR CALC	POINTS	GPA	
MAT 101	ELEMENT	ARY ALGEB	RA	4.00 A	16.00	TERM 1	11.00	11.00	44.00	4.000	
HR	CPT I	HR CALC	POINTS	GPA		CUM 5	58.00	58.00	232.00	4.000	
TERM	4.00	4.00	16.00	4.000		Dean's List	t				
CUM	10.00	10.00	40.00	4.000							
						SPRING, 199	90				
WINTER, 19	89			(	)	BIO 122	ANATOMY	+ PHYSIC	OLOGY II	5.00 A	20.00
CHE 151	GENERAL	CHEMISTR	Y I	5.00 A	.00	NUR 124	FUND OF	NURSING	I	10.00 A	40.00
116	COLLEGE	ALGEBRA		5.00 A	20.00	HR	CPT I	HR CALC	POINTS	GPA	
PSY 297	SPECIAL	TOPICS I	N PSYCH	3.00 A	12.0	TERM 1	15.00	15.00	60.00	4.000	
HR	CPT I	HR CALC	POINTS	GPA	1	CUM	73.00	73.00	292.00	4.000	
TERM	13.00	13.00	52.00	4.000	3	Dean's List	t				
CUM	23.00	23.00	92.00	4.000	130						
Dean's Lis	t				9	SUMMER, 199	90				
						н 219	GENERAL	PHARMACO	OLOGY	3.00 A	12.00
SPRING, 19	89					HR	CPT I	HR CALC	POINTS	GPA	
310 111	GENERAL	BIOLOGY	I	4.00 A	16.00	TERM	3.00	3.00	12.00	4.000	
CHE 152	GENERAL	CHEMISTR	Y II	5.00 A	20.00	CUM	76.00	76.00	304.00	4.000	
GLG 144	GEOLOGIC	CAL FIELD	TRIPS	4.00 A	16.00						
PED 154	AEROBIC	CONDITIO	NING	1.00 A	4.00	FALL, 1990					
HR	CPT I	HR CALC	POINTS	GPA		NUR 107	PATHOPH	YSIOLOGY	NUR I	2.00 A	8.00
TERM		14.00				NUR 125	FUND OF	NURSING	II	9.00 W	0.00
CUM	37.00	37.00	148.00	4.000		HR			POINTS		
Dean's Lis	t					TERM			8.00		
						CUM	78.00	78.00	312.00	4.000	
FALL, 1989											
		DLOGY		5.00 A		**********	* CONTIN	JED ON	NEXT PAG	E *****	****
SOC 120	GENERAL	SOCIOLOG	Y	5.00 A	20.00						

HR CPT

PAGE: 1

FALL, 19	82						TERM 10.00 10.00 40.00 4.000
ARV 2	51	AIRBRUS	H PAINTI	NG I	3.00 A	12.00	CUM 47.00 47.00 188.00 4.000
DRT 1	01	MECHANI	CAL DRAFT	ring i	3.00 A	12.00	Dean's List
1	HR	CPT	HR CALC	POINTS	GPA		
TERM		6.00	6.00	24.00	4.000		WINTER, 1990
CUM		6.00	6.00	24.00	4.000		BIO 121 ANATOMY + PHYSIOLOGY I 5.00 A 20.0
Dean's L	ist						NUR 105 DOSAGE CALCULAT NUR 1.00 A 4.0
							PSY 208 LIFE SPAN HUMAN DEVELOP 5.00 A 20.0
FALL, 19	88						HR CPT HR CALC POINTS G P A
MAT 1	01	ELEMENT	ARY ALGE	BRA	4.00 A	16.00	TERM 11.00 11.00 44.00 4.000
1	HR	CPT	HR CALC	POINTS	GPA		CUM 58.00 58.00 232.00 4.000
TERM		4.00	4.00	16.00	4.000		Dean's List
CUM	1	0.00	10.00	40.00	4.000		
					,		SPRING, 1990
WINTER,	198	9			(	,	BIO 122 ANATOMY + PHYSIOLOGY II 5.00 A 20.0
CHE 1	51	GENERAL	CHEMIST	RY I	5.00 A	20.00	NUR 124 FUND OF NURSING I 10.00 A 40.0
MAT 1	16	COLLEGE	ALGEBRA		5.00 A		HR CPT HR CALC POINTS G P A
PSY 2	97	SPECIAL	TOPICS :	IN PSYCH	3.00 A	12.0	TERM 15.00 15.00 60.00 4.000
1	HR	CPT	HR CALC	POINTS	GPA	1	CUM 73.00 73.00 292.00 4.000
TERM	1	3.00	13.00	52.00	4.000	3	Dean's List
CUM	2	3.00	23.00	92.00	4.000	1	20
Dean's L	ist						SUMMER, 1990
							H 219 GENERAL PHARMACOLOGY 3.00 A 12.0
SPRING,	198	9					HR CPT HR CALC POINTS G P A
BIO 1	11	GENERAL	BIOLOGY	I	4.00 A	16.00	TERM 3.00 3.00 12.00 4.000
CHE 1	52	GENERAL	CHEMIST	RY II	5.00 A	20.00	CUM 76.00 76.00 304.00 4.000
GLG 1	44	GEOLOGI	CAL FIELD	TRIPS			
PED 1	54	AEROBIC	CONDITIO	ONING	1.00 A	4.00	FALL, 1990
1	HR	CPT	HR CALC	POINTS	GPA		NUR 107 PATHOPHYSIOLOGY NUR I 2.00 A 8.0
TERM			14.00	56.00			NUR 125 FUND OF NURSING II 9.00 W 0.0
CUM	3	7.00	37.00	148.00	4.000		HR CPT HR CALC POINTS G P A
Dean's L	ist						TERM 2.00 2.00 8.00 4.000
							CUM 78.00 78.00 312.00 4.000
FALL, 19	89						
BIO 2	05	MICROBI	OLOGY		5.00 A	20.00	******* CONTINUED ON NEXT PAGE ********
SOC 1	20	GENERAL	SOCIOLO	3Y	5.00 A	20.00	

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FALL,	1982						TERM 10.00 10.00 40.00	4.000
ARV	251	AIRBRU	SH PAINTI	NG I	3.00 A	12.00	CUM 47.00 47.00 188.00	4.000
DRT	101	MECHAN	ICAL DRAF	TING I	3.00 A	12.00	Dean's List	
	HR	CPT	HR CALC	POINTS	GPA			
TER	M	6.00	6.00	24.00	4.000		WINTER, 1990	
CUM		6.00	6.00	24.00	4.000		BIO 121 ANATOMY + PHYSIOLOGY I	5.00 A 20.0
Dean's	Lis	t					NUR 105 DOSAGE CALCULAT NUR	1.00 A 4.0
							PSY 208 LIFE SPAN HUMAN DEVELOP	5.00 A 20.0
FALL,	1988						HR CPT HR CALC POINTS O	PA
MAT	101	ELEMEN	TARY ALGE	BRA	4.00 A	16.00	TERM 11.00 11.00 44.00	4.000
	HR	CPT	HR CALC	POINTS	GPA		CUM 58.00 58.00 232.00	4.000
TER	M	4.00	4.00	16.00	4.000		Dean's List	
CUM		10.00	10.00	40.00	4.000			
					,		SPRING, 1990	
WINTER	, 19	89			(	ò	BIO 122 ANATOMY + PHYSIOLOGY II	5.00 A 20.0
CHE	151	GENERA	L CHEMIST	RY I	5.00 A	20.00	NUR 124 FUND OF NURSING I	10.00 A 40.0
MAT	116	COLLEG	E ALGEBRA		5.00 A		HR CPT HR CALC POINTS O	PA
PSY	297	SPECIA	L TOPICS	IN PSYCH	3.00 A	12.	TERM 15.00 15.00 60.00	4.000
	HR	CPT	HR CALC	POINTS	GPA		CUM 73.00 73.00 292.00	4.000
TER	M	13.00	13.00	52.00	4.000	6	Dean's List	
CUM		23.00	23.00	92.00	4.000			
Dean's	Lis	t					SUMMER, 1990	
							H 219 GENERAL PHARMACOLOGY	3.00 A 12.0
SPRING	, 19	89					HR CPT HR CALC POINTS O	PA
BIO	111	GENERA	L BIOLOGY	I	4.00 A	16.00	TERM 3.00 3.00 12.00	4.000
CHE	152	GENERA	L CHEMIST	RY II	5.00 A	20.00	CUM 76.00 76.00 304.00	4.000
GLG	144	GEOLOG	ICAL FIELD	D TRIPS	4.00 A	16.00		
PED	154	AEROBI	C CONDITI	ONING	1.00 A	4.00	FALL, 1990	
	HR	CPT	HR CALC	POINTS	GPA		NUR 107 PATHOPHYSIOLOGY NUR I	2.00 A 8.0
TER	M	14.00	14.00	56.00	4.000		NUR 125 FUND OF NURSING II	9.00 W 0.0
CUM		37.00	37.00	148.00	4.000		HR CPT HR CALC POINTS O	PA
Dean's	Lis	t					TERM 2.00 2.00 8.00	4.000
							CUM 78.00 78.00 312.00	4.000
FALL,	1989							
BIO	205	MICROB	IOLOGY		5.00 A	20.00	******* CONTINUED ON NEXT PAGE	********
SOC	120	GENERA	L SOCIOLO	GY	5.00 A	20.00		

HR CPT

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FALL,	1982						TERM 10.00 10.00 40.	00 4.000
ARV			SH PAINTI	NG I	3.00 A	12.00	CUM 47.00 47.00 188.	00 4.000
DRT	101	MECHAN	ICAL DRAF	TING I	3.00 A	12.00	Dean's List	
3,315		CPT	HR CALC			Section 6.		
TER	MS	6.00	6.00	24.00	4.000		WINTER, 1990	
CUN	1		6.00	24.00	4.000		BIO 121 ANATOMY + PHYSIOLOGY	I 5.00 A 20.00
Dean's	Lis	t					NUR 105 DOSAGE CALCULAT NUR	1.00 A 4.00
							PSY 208 LIFE SPAN HUMAN DEVEL	OP 5.00 A 20.00
FALL,	1988						HR CPT HR CALC POINT	SGPA
MAT	101	ELEMEN	TARY ALGE	BRA	4.00 A	16.00	TERM 11.00 11.00 44.	00 4.000
	HR	CPT	HR CALC	POINTS	GPA		CUM 58.00 58.00 232.	00 4.000
TER	MS	4.00	4.00	16.00	4.000		Dean's List	
CUN	1	10.00	10.00	40.00	4.000			
							SPRING, 1990	
WINTER	19	89				-0	BIO 122 ANATOMY + PHYSIOLOGY	II 5.00 A 20.0
CHE	151	GENERAL	L CHEMIST	RY I	5.00 A	20.00	NUR 124 FUND OF NURSING I	10.00 A 40.0
MAT	116	COLLEGE	E ALGEBRA			20.00	HR CPT HR CALC POINT	SGPA
PSY	297	SPECIAL	L TOPICS	IN PSYCH	3.00 A	12.0	TERM 15.00 15.00 60.	00 4.000
	HR	CPT	HR CALC	POINTS	GPA		CUM 73.00 73.00 292.	00 4.000
TER	M	13.00	13.00	52.00	4.000	0	Dean's List	
CUM	1	23.00	23.00	92.00	4.000		0	
Dean's	Lis	t					SUMMER, 1990	
							H 219 GENERAL PHARMACOLOGY	3.00 A 12.00
SPRING	5						HR CPT HR CALC POINT	
BIO			L BIOLOGY		4.00 A		TERM 3.00 3.00 12.	
CHE			L CHEMIST			20.00	CUM 76.00 76.00 304.	00 4.000
GLG	537,65		ICAL FIEL		4.00 A		TOTAL BASA	
PED			C CONDITI			4.00	FALL, 1990	
0.0000			HR CALC				NUR 107 PATHOPHYSIOLOGY NUR I	
TER		14.00	14.00				NUR 125 FUND OF NURSING II	9.00 W 0.00
CUN			37.00	148.00	4.000		HR CPT HR CALC POINT	
Dean's	Lis	C					TERM 2.00 2.00 8.	
	1000						CUM 78.00 78.00 312.	00 4.000
FALL,					- 44 4	20.00		D107
BIO		MI CROB				20.00	********* CONTINUED ON NEXT	PAGE ********
SOC	120	GENERAL	L SOCIOLO	GY	5.00 A	20.00		

HR CPT HR CALC POINTS G P A

PAGE: 1

FALL,	1982						TERM 10.00 1	0.00 40.00	4.000
ARV	251	AIRBRU	SH PAINTI	NG I	3.00 A	12.00	CUM 47.00 4	7.00 188.00	4.000
DRT	101	MECHAN	ICAL DRAF	TING I	3.00 A	12.00	Dean's List		
	HR	CPT	HR CALC	POINTS	GPA				
TER	M	6.00	6.00	24.00	4.000		WINTER, 1990		
CUN	1	6.00	6.00	24.00	4.000		BIO 121 ANATOMY +	PHYSIOLOGY I	5.00 A 20.
Dean's	Lis	t					NUR 105 DOSAGE CA	LCULAT NUR	1.00 A 4.
							PSY 208 LIFE SPAN	HUMAN DEVELOP	5.00 A 20.
FALL,	1988						HR CPT HR	CALC POINTS	GPA
MAT	101	ELEMEN	TARY ALGE	BRA	4.00 A	16.00	TERM 11.00 1	1.00 44.00	4.000
	HR	CPT	HR CALC	POINTS	GPA		CUM 58.00 5	8.00 232.00	4.000
TER	M	4.00	4.00	16.00	4.000		Dean's List		
CUN	1	10.00	10.00	40.00	4.000				
					,		SPRING, 1990		
WINTER	, 19	89			(	Ó	BIO 122 ANATOMY +	PHYSIOLOGY II	5.00 A 20.
CHE	151	GENERA	L CHEMIST	RY I	5.00 A	~,	NUR 124 FUND OF N	URSING I	10.00 A 40.
MAT	116	COLLEG	E ALGEBRA		5.00 A		HR CPT HR	CALC POINTS	GPA
PSY	297	SPECIA	L TOPICS	IN PSYCH	3.00 A	12.0		5.00 60.00	4.000
	HR	CPT	HR CALC					3.00 292.00	4.000
TER			13.00			0	Dean's List		
CUM	1	23.00	23.00	92.00	4.000		e e		
Dean's	Lis	t					SUMMER, 1990		
							H 219 GENERAL P		3.00 A 12.
SPRING	A							CALC POINTS	
BIO			L BIOLOGY		4.00 A			3.00 12.00	
CHE			L CHEMIST		5.00 A		CUM 76.00 7	6.00 304.00	4.000
GLG	808		ICAL FIEL		4.00 A		Acres Serve		
PED			C CONDITI		1.00 A	4.00	FALL, 1990		1,11111111
0.000		CPT		POINTS	Section 1997		NUR 107 PATHOPHYS		2.00 A 8.
TER		14.00	14.00	56.00			NUR 125 FUND OF N		9.00 W 0.
CUM		37.00	37.00	148.00	4.000			CALC POINTS	
Dean's	Lis	t						2.00 8.00	
							CUM 78.00 7	8.00 312.00	4.000
FALL,					2 22 2			E 720 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 2	<b>~</b>
BIO		MICROB			5.00 A		****** CONTINUE	D ON NEXT PAG	GE ********
SOC	120	GENERA	L SOCIOLO	GY	5.00 A	20.00			

HR CPT

PAGE: 2

WINTER, 1991 ACC 111 PRIN ACCOUNTING I 3.00 A 12.00 NUR 125 FUND OF NURSING II 9.00 A 36.00 HR CPT HR CALC POINTS G P A 12.00 12.00 48.00 4.000 TERM CUM 90.00 90.00 360.00 4.000 Dean's List **SPRING**, 1991 3.00 B 9.00 ACC 112 PRIN ACCOUNTING II 3.00 A 12.00 207 PATHOPHYSIOLOGY NUR II NUR 211 MED-SURGICAL NUR I 9.00 B 27.00 NUR HR CALC POINTS G P A HR CPT 15.00 15.00 48.00 3.200 TERM 3.886 105.00 105.00 408.00 ---- TRANSFER CREDITS -----16.0 Wright State University 1989 195.0 1989 Miami University \*\*\*\*\*\*\* END OF TRANSCRIPT \*\*\*\*\*\*\*\*\*

### **Transcript Explanation**

- Credit hours are based on quarter system
  - divide by 1.5

#### Accreditation

Sinclair is fully accredited by The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60602-2504, (800) 621-7440, (312) 263-0456, FAX (312) 263-7462. Sinclair is also a member of the Ohio Association of Colleges. Programs of study are approved by the Ohio Department of Higher Education. Sinclair is authorized to grant bachelors of applied science degrees, associates degrees in arts, sciences, applied science, individualized and technical study, and certificates.

#### Calendar

Prior to September 1968, Sinclair Community College was on the semester system. From September 1968 to August 2012, Sinclair Community College has operated on the quarter system. The credit hours earned prior to September 1968 have been converted to quarter hours on the transcript if the student attended both before and after September 1968. Credit hours earned by students whose last date of attendance was prior to 1968 remain semester hours.

Sinclair Community College changed from a quarter to a semester calendar as of Fall 2012.\*

> \* Credit hours earned by students attending after September 1968 but prior to Fall 2012 remain in quarter hours. Beginning with Fall 2012, credit hours are reported as semester hours.

As of Fall 2016, credentials are awarded as long as either the program or cumulative GPA is 2.0 or higher.

### Grades not used in the calculation of grade point averages:

AA	Articulation Agreement
AC	Articulated Credit
AΡ	Advanced Placement
CE	Continuing Education
CL	College Level Examination
	Program (CLEP)
DS	DANTES (DSST)
1	Incomplete
IΡ	In Progress
Ν	Progress
Ρ	Pass
S	Satisfactory Completion
U	Unsatisfactory Progress
WC	WEBCAPE
W	Withdrawal
Х	Audit
Υ	Proficiency Credit
-	No Grade Was Assigned

#### Symbols



Course has been completed previously Grade was earned by proficiency examination

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#### Symbols

Course has been completed previously
Grade was earned by proficiency examination

Course number	Course	Credits/	Credits/	Credits/
	name	Hours	Hours	Hours Medical
		Chemistry	Biology	Laboratory Science
CHE 151	GENERAL CHEMISTRY I	(5.0) 3.33		
BIO 111	GENERAL BIOLOGY I		(4.0) 2.67	
CHE 152	GENERAL CHEMISTRY II	(5.0) 3.33		
BIO 205	MICROBIOLOGY		(5.0) 3.33	
BIO 121	ANATOMY & PHSYSIOLOGY I		(5.0) 3.33	
BIO 122	ANATOMY & PHYSIOLOGY II		(5.0) 3.33	
ALH 219	GENERAL PHARMACOLOGY	(3.0) 2.0		
NUR 107	PATHOPHISIOLOGY I		(2.0) 1.33	
NUR 207	PATHOPHISIOLOGY II		(3.0) 2.0	
Total Semester C	redits/Hours:	8.66	15.99	

Course number	Course	Credits/	Credits/	Credits/	
	name	Hours	Hours	Hours Medical	
		Chemistry	Biology	Laboratory Science	
CHE 151	GENERAL CHEMISTRY I	(5.0) 3.33			
BIO 111	GENERAL BIOLOGY I		(4.0) 2.67		
CHE 152	GENERAL CHEMISTRY II	(5.0) 3.33			
BIO 205	MICROBIOLOGY		(5.0) 3.33		
BIO 121	ANATOMY & PHSYSIOLOGY I		(5.0) 3.33		
BIO 122	ANATOMY & PHYSIOLOGY II		(5.0) 3.33		
ALH 219	GENERAL PHARMACOLOGY	(3.0) 2.0			
NUR 107	PATHOPHISIOLOGY I		(2.0) 1.33		
NUR 207	PATHOPHISIOLOGY II		(3.0) 2.0		
Total Semester C	redits/Hours:	8.66	15.99		



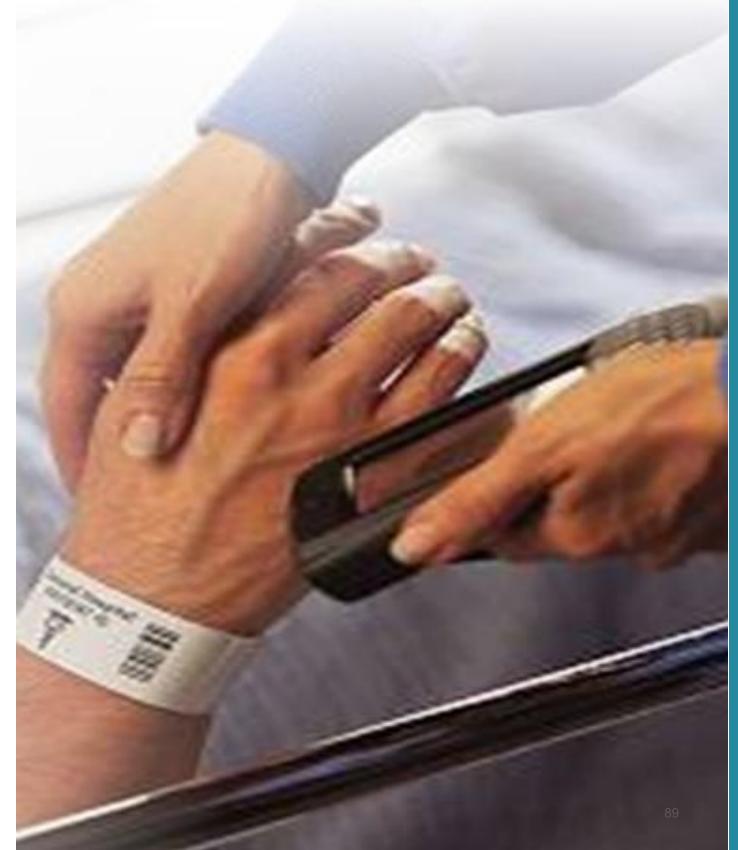
## **Nursing Degrees**

No longer considered a biologic science



## **Nursing Degrees**

- No longer considered a biologic science
- Nursing degree qualify for moderate complexity



## **Nursing Degrees**

- No longer considered a biologic science
- Nursing degree qualify for moderate complexity
- Limited exception for glucometer use by bachelor's degree RNs when modified to high complexity





## Remember. .



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